District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico Energy Minerals and Natural Resources Department

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

Incident ID	nAPP2307356662
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

			z z z z	onsible i ai	· J
Responsible Party Silverback Operating				OGRID ₃	30968
Contact Name Mark Ritchie		Contact T	elephone 210-874-2406		
Contact ema	^{il} mritchie(@silverbackexp	o.com	Incident #	(assigned by OCD)
		108 S. 4th st A		11	
			Location	of Release S	ource
Latitude 32	Latitude 32.721378 Longitude -104.368495				
Latitude			(NAD 83 in dec	cimal degrees to 5 deci	
Site Name Da	avton Wat	er Recycle		Site Type	Produced Water Recycle Facility
Date Release				API# (if ap	
Unit Letter	Section	Township	Range	Cou	
J	27	18\$	26E	Ed	
Surface Owne	r: State	☐ Federal ☐ Tr	ribal 🔳 Private (A	_{Name:} Silverb	ack Operating
			Natura and	l Volume of	Dalaasa
•					
Crude Oi		l(s) Released (Select al Volume Release		calculations or specifi	c justification for the volumes provided below) Volume Recovered (bbls)
☐ Produced		Volume Release	` ′		Volume Recovered (bbls)
			ion of dissolved c	hloride in the	Yes No
		produced water			Volume Recovered (bbls)
Condensa		Volume Release			` ′
Natural C		Volume Release			Volume Recovered (Mcf)
Other (de	,	_	Released (provide	e units)	Volume/Weight Recovered (provide units)
Recycled Water and Fresh Water 2312 bbls			0 bbls		
Cause of Rel	ease Third	party personn	el removed a	meter from la	y-flat line during pigging operations which
left the end of the line being pigged open which resulted in the release.					



Volume Justification Sheet – Silverback Form 018

Volume Justification

This form is to be used to convey justification of spill volumes in the event of a release. Clearly indicate by calculations or description in the space provided below.

Justification:

Surface Area, sqft	77077 🤘
Estimated Depth, in	2
Estimated Depth, ft	0.166667
Calculated Volume, cu. ft	12846.17
cu. ft to bbl	0.18
Calculated Volume, bbl	2312.31



Approved by: Mark Ritchie **Date:** 3/14/2023

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

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

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

1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 197096

CONDITIONS

Operator:	OGRID:
Silverback Operating II, LLC	330968
19707 IH10 West, Suite 201	Action Number:
San Antonio, TX 78256	197096
	Action Type:
	[C-141] Release Corrective Action (C-141)

CONDITIONS

Created By		Condition Date
jharimon	None	3/15/2023

Page 4 of 335

Incident ID	nAPP2307356662
District RP	
Facility ID	
Application ID	

Remediation Plan

Remediation Plan Checklist: Each of the following items must b	e included in the plan.
 ☑ Detailed description of proposed remediation technique ☑ Scaled sitemap with GPS coordinates showing delineation point ☑ Estimated volume of material to be remediated ☑ Closure criteria is to Table 1 specifications subject to 19.15.29. ☑ Proposed schedule for remediation (note if remediation plan times) 	12(C)(4) NMAC
<u>Deferral Requests Only</u> : Each of the following items must be con	nfirmed as part of any request for deferral of remediation.
☐ Contamination must be in areas immediately under or around predeconstruction.	roduction equipment where remediation could cause a major facility
■ Extents of contamination must be fully delineated.	
★ Contamination does not cause an imminent risk to human health	n, the environment, or groundwater.
rules and regulations all operators are required to report and/or file which may endanger public health or the environment. The accepta liability should their operations have failed to adequately investigate surface water, human health or the environment. In addition, OCD responsibility for compliance with any other federal, state, or local libraries. Printed Name: Mark Ritchie Signature: Mark Ritchie email: _mritchie@silverbackexp.com	e and remediate contamination that pose a threat to groundwater, acceptance of a C-141 report does not relieve the operator of
OCD Only Page ived by: Shalls Walls	Data: 0/9/2022
Received by: Shelly Wells Approved Approved with Attached Conditions of	Date: 9/8/2023 Approval Denied Deferral Approved
Signature:	Date:



General Information

NMOCD District:	2 – Artesia	Incident ID:	nAPP2307356662	
Landowner:	Silverback Operating	RP Reference:	N/A	
Client:	Silverback Exploration	Site Location:	Dayton Recycle Release	
Date:	July 15, 2023	Project #:	23E-02248	
Client Contact:	Mark Ritchie	Phone #:	713.553.8320	
Vertex PM:	Michael Moffitt	Phone #:	575.988.2681	

Objective

The objective of the environmental remediation work plan is to identify exceedances found during the site assessment/characterization activity and propose an appropriate remediation technique to address these areas. Areas of environmental concern identified and delineated include the perimeter road adjacent to the Dayton Water Recycle facility's frac ponds, the ramp leading to the perimeter road, the outlying lease road, and surrounding pasture. Closure criteria have been selected as per New Mexico Administrative Code 19.15.29. All applicable research as it pertains to closure criteria selection is presented in Attachment 2. The closure criteria for the site are presented below.

Table 1. Closure Criteria for Soils to Remediation & Reclamation Standards		
	Constituent	Limit
0-4 feet bgs (19.15.29.13)	Chloride	600 mg/kg
	TPH (GRO+DRO+MRO)	100 mg/kg
DTGW 51-100 feet (19.15.29.12)	Chloride	10,000 mg/kg
	TPH (GRO+DRO+MRO)	2,500 mg/kg
	GRO+DRO	1,000 mg/kg
	BTEX	50 mg/kg
	Benzene	10 mg/kg

bgs – below ground surface, DTGW – depth to groundwater, TPH – total petroleum hydrocarbons, GRO – gas range organics, DRO – diesel range organics, MRO – motor oil range organics, BTEX – benzene, toluene, ethylbenzene and xylenes

Table 2. Closure Criteria for On-Site Soils Impacted by a Release			
Minimum depth below any point within the			
horizontal boundary of the release to groundwater			
less than 10,000 mg/l TDS	Constituent	Limit	
	Chloride	10,000 mg/kg	
	TPH (GRO+DRO+MRO)	2,500 mg/kg	
51 feet - 100 feet	GRO+DRO	1,000 mg/kg	
	BTEX	50 mg/kg	
	Benzene	10 mg/kg	

TDS – total dissolved solids

Site Assessment/Characterization

Site characterization was completed on June 30, 2023. A total of 82 sample points were established and samples collected at various discreet depth intervals for field screening. In total, 196 samples were submitted to Hall Environmental Analysis Laboratory in Albuquerque, New Mexico, for analysis. The sample locations are presented in Attachment 1. Laboratory analysis results have been

Environmental Site Remediation Work Plan



compared to the above closure criteria and the results from the characterization activity are presented in Attachment 3. Exceedances are identified in the table as bold with a colored background.

Vertex Resource Services Inc. (Vertex) is requesting deferral for the portion of the spill area within the boundaries of the Dayton Water Recycle facility. The area has been outlined with an orange polygon on the characterization schematic presented in Attachment 1. Excavation into the foundation of the ramp and elevated perimeter road parallel to the ponds could cause a major facility deconstruction and is not technically feasible to vertically delineate or remediate while in service. The facility has a water storage capacity of 1.2 million barrels. Additionally, due to the hard packed construction materials the facility was built with, the use of mechanical equipment to remove soils would be necessary and has potential to affect the structural integrity of the containment ponds. Horizontal characterization, however, would still be completed in the requested deferral area during remediation activities.

Remedial Activities

Areas identified with contaminant concentrations above closure criteria will be remediated through excavation. Laboratory results from the site characterization have been referenced to estimate both the vertical and horizontal limits of the impacts and the volume of soil to be removed. Soil will be excavated to the extents of the known contamination outside of the applicable closure criteria. Field screening will be utilized to confirm that all areas of the excavation base and walls meet the applicable closure criteria. Contaminated soils will be stored on a 30mil liner prior to disposal at an approved facility. Once excavation is complete, confirmatory samples will be collected and laboratory analysis completed to confirm closure criteria guidelines are met. Excavations will be backfilled with clean soil sourced locally.

Regarding remedial efforts within the proposed deferral portions of the facility, the surface will be carefully scraped in areas identified as exceeding closure criteria as shown in Table 2. The remediation of all impacted soils left in situ will be sampled, removed and disposed of at the end of life of the facility when deconstruction and final reclamation occurs. All impacted areas outside of the frac pond fence will be excavated to the reclamation criteria shown in Table 1.

Samples were collected at a total of 82 sample points in and around the lease road. Nine sample points were established on the ramp, and 73 outside of the fence. Exceedances to closure criteria were found at sample points shown in the table below. Soil will be excavated at a planned depth of 6 inches to 1 foot for the majority of the excavation. The excavation is also planned to extend to a depth of 4 feet for an approximately 200 square foot area around sample points BH23-23 and BH23-43, as contamination was found at a greater depth in those locations during delineation. Hand excavation will be utilized to remove contaminated soil within the 30" tolerance zone of buried flowlines near BH23-29, and the remaining excavation will be performed using heavy equipment. Field screening will be utilized to find the horizontal and vertical extents of the spill area. Due to the large area of the excavation, Vertex is requesting a confirmatory sampling variance of 400 square feet per base sample, per the email in Attachment 4. Wall samples will be collected every 200 square feet as per NMOCD guidance and all confirmatory samples will be submitted for laboratory analysis of all applicable parameters. The estimated volume to be excavated is 2,800 cubic yards.



. Excavation Plan		
Sample Point	Excavation Depth	Remediation Method
BH23-02	1'	Trackhoe
BH23-04	1'	Trackhoe
BH23-05	1'	Trackhoe
BH23-07-BH23-14	1'	Trackhoe
BH23-18	1'	Trackhoe
BH23-21	1'	Trackhoe
BH23-22	1'	Trackhoe
BH23-23	4'	Trackhoe
BH23-24	1'	Trackhoe
BH23-25	1'	Trackhoe
BH23-27	1'	Trackhoe
BH23-29	1'	Hand/Hydrovac
BH23-30	1'	Trackhoe
BH23-31	1'	Trackhoe
BH23-36	1'	Trackhoe
BH23-38	1'	Trackhoe
BH23-43	4'	Trackhoe
BH23-44	1'	Trackhoe
BH23-50-BH23-54	1'	Trackhoe
BH23-56	1'	Trackhoe
BH23-57	1'	Trackhoe
BH23-62-BH23-68	1'	Trackhoe
BBH23-71	6"	Trackhoe

Should you have any questions or concerns, please do not hesitate to contact Michael Moffitt at 575.988.2681 or mmoffitt@vertex.ca.

Sally Carter	7/18/2023	
Sally Carttar, B.A.	Date	
ENVIRONMENTAL TECHNOLOGIST, REPORTING		
ni I dendost		
miled Motor	7/18/2023	
Michael Moffitt, B.Sc.	Date	
MANAGER ENVIRONMENT, REPORT REVIEW		

Environmental Site Remediation Work Plan



Attachments

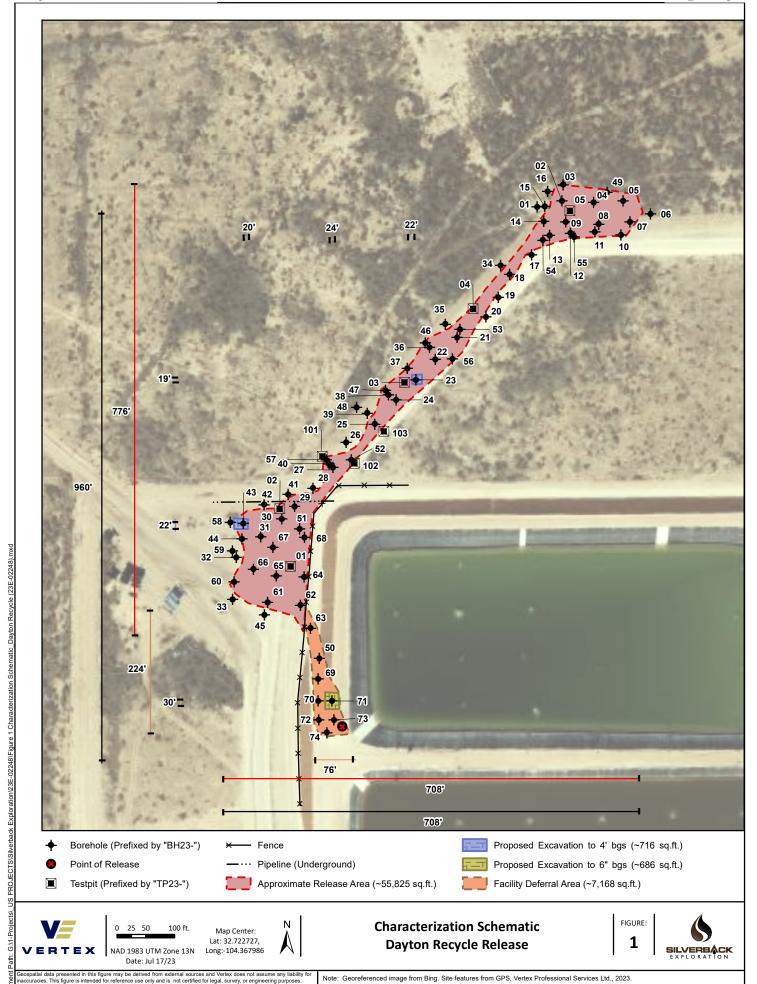
Attachment 1. Characterization Sampling Site Schematic

Attachment 2. Closure Criteria Research

Attachment 3. Laboratory Results Table and Laboratory Data Reports

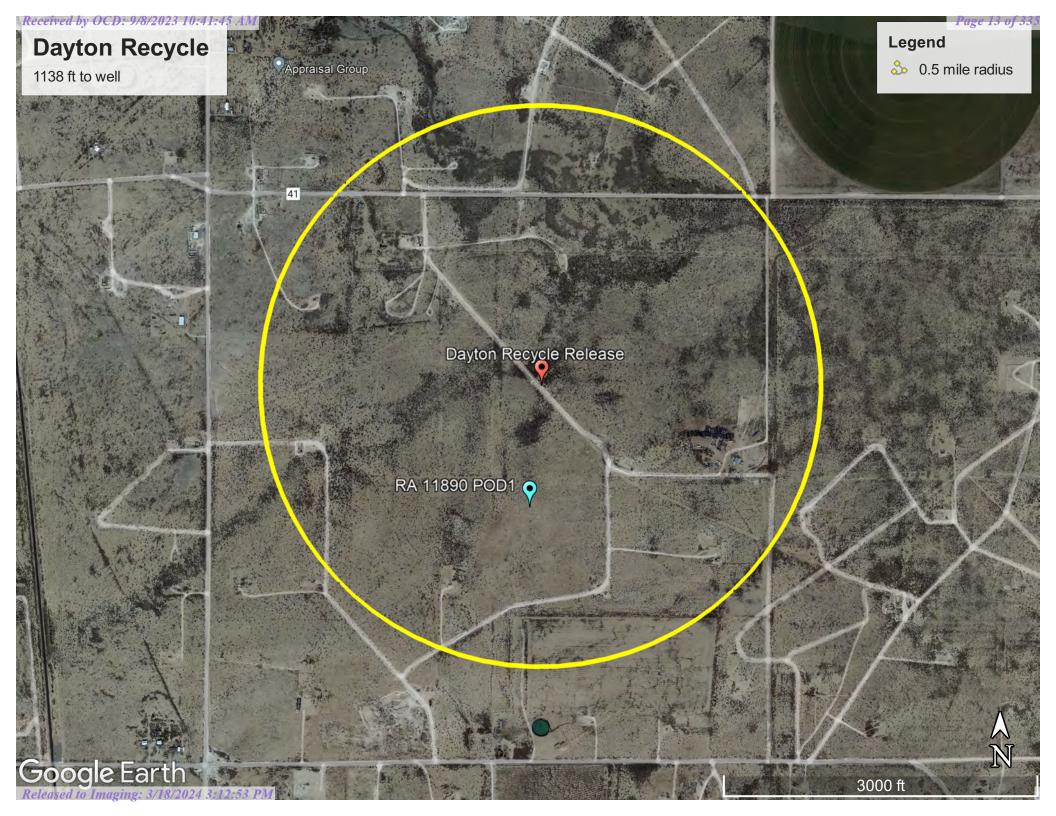
Attachment 4. Correspondence with NMOCD

ATTACHMENT 1



ATTACHMENT 2

ite Nan	ne: Dayton Recycle Release		
•	rdinates:	X: 32.72119	Y: -104.36827
ite Spe	cific Conditions	Value	Unit
1	Depth to Groundwater	85	feet
2	Within 300 feet of any continuously flowing	7 205	feet
2	watercourse or any other significant watercourse	7,205	reet
3	Within 200 feet of any lakebed, sinkhole or playa lake	10,652	feet
	(measured from the ordinary high-water mark)	10,032	1660
4	Within 300 feet from an occupied residence, school,	1,888 ft	feet
4	hospital, institution or church	1,888 10	leet
	i) Within 500 feet of a spring or a private, domestic		
5	fresh water well used by less than five households for	1,138	feet
3	domestic or stock watering purposes, or		
	ii) Within 1000 feet of any fresh water well or spring		feet
	Within incorporated municipal boundaries or within a		
	defined municipal fresh water field covered under a		
6	municipal ordinance adopted pursuant to Section 3-27-	No	(Y/N)
	3 NMSA 1978 as amended, unless the municipality		
	specifically approves		
7	Within 300 feet of a wetland	26,752	feet
8	Within the area overlying a subsurface mine	No	(Y/N)
			Critical
0	Within an unctable area (Karst Man)	Low	High
9	Within an unstable area (Karst Map)	Low	Medium
			Low
40	well: 400 El III	100	
10	Within a 100-year Floodplain	>100	year
11	Soil Type	Reagan Loam	
			-
12	Ecological Classification	Loamy	
13	Geology	Piedmont Alluvial	
	Geology	Deposits	
			<50'
	NMAC 19.15.29.12 E (Table 1) Closure Criteria	51-100'	51-100'
			>100'





New Mexico Office of the State Engineer

Water Column/Average Depth to Water

(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.)

(R=POD has been replaced, O=orphaned, C=the file is

closed)

(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest) (NAD83 UTM in meters) (In feet)

		POD													
		Sub-			Q										Vater
POD Number	Code	basin	County	64	16	4	Sec	Tws	Rng	X	Y		epthWellDe	pthWater C	
RA 11890 POD1		RA	ED	1	1	4	28	18S	26E	559161	3620210	347	175	85	90
<u>RA 10490</u>		RA	ED		4	2	27	18S	26E	559659	3620486*	465	200	75	125
<u>RA 03055</u>		RA	ED	1	2	1	27	18S	26E	558757	3620986*	617	146	85	61
<u>RA 04003</u>		RA	ED	3	3	4	27	18S	26E	559161	3619578*	977	100		
<u>RA 09437</u>		RA	ED	3	3	4	27	18S	26E	559161	3619578*	977	120	60	60
<u>RA 04701</u>		RA	ED		3	3	22	18S	26E	558456	3621290*	1045	80	55	25
<u>RA 11952 POD1</u>		RA	ED	4	2	2	28	18S	26E	558153	3620727	1059	170	90	80
<u>RA 11506 POD1</u>		RA	ED	1	3	3	22	18S	26E	558290	3621345	1204	160	78	82
<u>RA 01881</u>		RA	ED		3	3	26	18S	26E	560060	3619681*	1226	2450		
<u>RA 12961 POD1</u>		RA	ED	4	3	3	27	18S	26E	558578	3619477 🌎	1243	215	180	35
<u>RA 03771</u>		RA	ED	3	1	3	22	18S	26E	558354	3621592*	1337	110	75	35
<u>RA 07408</u>		RA	ED	2	4	4	21	18S	26E	558152	3621389*	1338	155	85	70
RA 12890 POD1		RA	ED	2	4	4	21	18S	26E	558105	3621429	1400	180	102	78
<u>RA 05425</u>		RA	ED		4	4	28	18S	26E	558060	3619677*	1438	160	90	70
<u>RA 04046</u>		RA	ED			4	28	18S	26E	557859	3619879*	1500	125		
<u>RA 07654</u>		RA	ED		2	4	21	18S	26E	558052	3621693*	1615	180	170	10
<u>RA 01296</u>		RA	ED	3	3	1	23	18S	26E	559954	3622001*	1631	180	80	100
<u>RA 06828</u>		RA	СН			4	21	18S	26E	557851	3621491*	1641	130	105	25

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	RA 03598		RA	ED				18S			3622198*	1643	1815			
	<u>RA 09466</u>		RA	ED	3		1 22		26I		3621996*	1670	160	70	90	
	<u>RA 03340</u>		RA	ED		3	1 22	18S	261	E 558454	3622097*	1712	100	60	40	
	<u>RA 03580</u>		RA	ED		3	1 22	18S	26I	E 558454	3622097*	1712	1700			
	<u>RA 04287</u>		RA	ED	1	2	4 21	18S	261	E 557951	3621792*	1757	170	140	30	
	<u>RA 01144 -S</u>		RA	СН		3	1 23	18S	261	E 560055	3622102*	1767	809			
	<u>RA 09763</u>		RA	ED	4	1	4 21	18S	261	E 557748	3621592*	1783	240	140	100	
	<u>RA 04022</u>		RA	СН		2	1 35	18S	26I	E 560465	3619281*	1796	520			
	<u>RA 09874</u>		RA	ED		2	1 35	18S	26I	E 560465	3619281*	1796	150			
	RA 01296 CLW229885	О	RA	ED	1	3	1 23	18S	261	E 559954	3622201*	1810	180	70	110	
	<u>RA 04018</u>		RA	СН	3	3	4 26	18S	26I	E 560762	3619581*	1841	250			
	<u>RA 07242 EXP</u>		RA	ED		3	4 26	18S	26I	E 560863	3619682*	1879	102	55	47	
	<u>RA 07243 EXP</u>		RA	ED		3	4 26	18S	26I	E 560863	3619682*	1879	110	50	60	
	<u>RA 07219</u>		RA	ED			4 26	18S	261	E 561064	3619883*	1982	110	50	60	
	<u>RA 02786</u>		RA	СН	1	2	1 28	18S	26I	E 557148	3620987*	2095	250	60	190	
	<u>RA 11784 POD1</u>		RA	ED	1	2	2 22	18S	26I	E 559480	3622632	2096	154	98	56	
	RA 03599		RA	ED	2	1	1 22	18S	26I	E 558552	3622599*	2143	1765			
	RA 06102		RA	ED			21	18S	26I	E 557447	3621893*	2204	202	136	66	
	RA 01703 REPAR		RA	ED		1	3 34	18S	261	E 558468	3618471*	2208	735			
	<u>RA 04004</u>		RA	ED	3	2	2 21	18S	261	E 557948	3622399*	2228	140			
	<u>RA 02627</u>		RA	ED	1	2	2 35	18S	26I	E 561169	3619382*	2292	75	40	35	
	<u>RA 01703</u>		RA	ED	3	1	3 34	18S	26I	E 558367	3618370*	2338	735			
	RA 01703 CLW		RA	ED	3	1	3 34	18S	261	E 558367	3618370*	2338	871			
	RA 01703 REPAR 2		RA	ED	3	1	3 34	18S	26I	E 558367	3618370*	2338	754	70	684	
	RA 01858		RA	ED				18S			3618370*	2338	735			
	RA 02804		RA	СН				18S			3618370	2338	750			

9/8/2023 10:41:45 189, 5:18 PM: 9/8/2023 10:41:45	Te.t.M.us/nmwrr	rs/Report	tPro	xy?qı	ueryD	ata=%7	7B"re	eport"%	63A"waterC	column"%2C%0A"	'BasinDiv"%3A"trι	ıe"%2C%0	A"Basin"%3A"	""%2C%0A	"County"%3A"" %28%1 A'\$ <i>f</i> .
RA 02804 POD2	RA	ED		-	-	188			558425	3618324	2360	200	168	32	·
<u>RA 08976</u>	RA	ED	2	3	3 2	188	S 20	6E	556943	3621389*	2405	225	120	105	
<u>RA 13268</u>	RA	ED	2	2	3 3	188	S 20	6E	560556	3618499	2463	185	60	125	
<u>RA 06029</u>	RA	ED		3	3 2	188	S 2	6E	556844	3621290*	2466	183	140	43	
RA 06979	RA	ED		1	1 2:	188	S 20	6E	561660	3620896*	2484	100			
RA 12706 POD1	RA	ED	4	1	3 2	188	S 20	6E	556871	3621549	2531	210	140	70	
<u>RA 00773</u>	RA	ED		1	2 23	3 188	S 20	6E	560856	3622508*	2561				
<u>RA 00774</u>	RA	ED		1	2 23	3 188	S 20	6E	560856	3622508*	2561				
<u>RA 00775</u>	RA	ED		1	2 23	3 188	S 20	6E	560856	3622508*	2561	900			
RA 11480 POD1	RA	ED	2	1	3 2	188	S 20	6E	556958	3621808	2567	199	175	24	
RA 01296 S3	RA	ED	1	3	3 13	188	S 20	6E	558351	3623003*	2590	230	70	160	
RA 01296 S5	RA	ED	1	3	3 13	188	S 20	6E	558351	3623003*	2590	223	35	188	
RA 01446 CLW	RA	ED	1	3	3 13	188	S 20	6E	558351	3623003*	2590	165	42	123	
RA 02800	RA	ED	1	3	3 13	188	S 20	6E	558351	3623003*	2590	102	30	72	
RA 09374	RA	ED	2	1	1 25	188	S 20	6E	561759	3620995*	2597	101			
RA 12897 POD1	RA	ED	1	4	1 2	188	S 20	6E	557046	3622199	2708	180	120	60	
RA 01474 REPAR	RA	ED	1	1	1 33	3 188	S 20	6E	556754	3619377*	2714	200			
<u>RA 01474 SUP</u>	RA	ED	1	1	1 33	3 188	S 20	6E	556754	3619377*	2714	210			
<u>RA 07394</u>	RA	ED	3	3	3 34	188	S 20	6E	558369	3617968*	2717	166	100	66	
<u>RA 01474 CLW</u>	RA	ED	2	3	1 33	3 188	S 20	6E	556956	3618975*	2743	225			
RA 09207	RA	ED	2	4	3 3	188	S 20	6E	560574	3618175*	2748	140	50	90	
RA 09208	RA	ED	2	4	3 3	188	S 20	6E	560574	3618175*	2748	160	50	110	
RA 09209	RA	ED	2	4	3 3	188	S 20	6E	560574	3618175*	2748	105	45	60	
RA 09210	RA	ED	2	4	3 3	188	S 20	6E	560574	3618175*	2748	140	50	90	
RA 01884	RA	ED	1	1	3 2	188	S 20	6E	556741	3621792*	2751	127			
RA 09286	RA	ED	2	4	4 29	188	S 20	6E	556550	3619778*	2760	300			

RA 02132 B		RA	ED	1	2	1 24	18S	26E	561958	3622611* 🎒	3440	166			
<u> </u>	O	RA	СН	1	2	4 14	18S	26E	561157	3623417*	3467	150	23	127	
A 07526		RA	ED		4	2 04	19S	26E	558076	3617273*	3468	140	95	45	
<u>A 03618</u>		RA	ED		3	2 20	18S	26E	556037	3622093*	3516	1838			
<u>A 07562</u>		RA	ED	4	4	2 04	19S	26E	558175	3617172*	3534	161	125	36	
AA 11682 POD2		RA	ED	4	2	2 16	18S	26E	558236	3623959	3537	98			
AA 12698 POD1		RA	ED	4	4	1 02	19S	26E	560619	3617198	3644	140	90	50	
<u>A 04160</u>		RA	ED	1	4	1 29	18S	26E	555542	3620580*	3657	160	100	60	
A 12572 POD1		RA	ED	4	4	1 02	19S	26E	560592	3617171	3659	159			
A 12740 POD1		RA	ED	2	3	2 14	18S	26E	560985	3623759	3668	150	86	64	
A 02389		RA	ED	1	2	2 15	18S	26E	559551	3624221*	3682	209			
A 06431		RA	ED	1	1	1 04	19S	26E	556765	3617775*	3695	200			
AA 03600		RA	ED	2	3	2 14	18S	26E	560956	3623821*	3708	955			
<u> </u>		RA	ED	1	1	1 14	18S	26E	559953	3624223*	3744	120	30	90	
<u>AA 04283</u>		RA	LE	1	4	3 20	18S	26E	555538	3621384*	3753	158	125	33	
<u>AA 07324</u>		RA	ED		2	4 04	19S	26E	558080	3616870*	3851	150	105	45	
<u>AA 03421</u>		RA	ED	1	2	2 16	18S	26E	557942	3624213*	3867	665	130	535	
<u> </u>		RA	ED	1	1 -	4 04	19S	26E	557469	3617067	3893	250	150	100	
<u>AA 10246</u>		RA	ED	3	4	2 02	19S	26E	561189	3617174*	3923	220	50	170	
<u>AA 03409</u>		RA	ED	1	4	2 24	18S	26E	562763	3622210*	3929	175	18	157	
<u> </u>		RA	ED	1	2	2 05	19S	26E	556362	3617773*	3973	220	150	70	
A 06995		RA	ED		1 -	4 04	19S	26E	557679	3616869*	3987	150	100	50	
A 12238 POD1		RA	ED	2	4 4	4 04	19S	26E	558180	3616638	4046	171	103	68	
RA 00011	О	RA	ED		3	3 11	18S	26E	560054	3624529*	4064	1100			

559149 3624622*

4067

864

856

RA 01171

RA

ED 1 3 4 10 18S 26E

Recain	ed by OCD: 9/8/2023,19:41:5	late.HM.	us/nmwrrs	s/ReportI	Prox	y?que	eryData	a=%7E	3"report'	'%3A"waterC	Column"%2C%0A	"BasinDiv"%3A"1	rue"%2C%0	A"Basin"%3A""	'%2C%0A"County"%3A"" <i>R48%1A-8f_335</i>
	RA 03639		RA	ED			-	18S		560555	_	4104	1710		,
	RA 08097		RA	ED	3	2 2	05	19S	26E	556362	3617573*	4116	210	120	90
	RA 03326		RA	ED		4 4	09	18S	26E	558041	3624518*	4128	75	40	35
	RA 11036 POD1		RA	ED	2	4 2	05	19S	26E	556567	3617370*	4131	210	110	100
	<u>RA 11733 POD1</u>		RA	ED	2	1 2	05	19S	26E	556153	3617740	4147	210	143	67
	RA 00010		RA	ED	1	3 3	10	18S	26E	558344	3624616*	4149	863	32	831
	<u>RA 00010 A</u>		RA	ED	1	3 3	10	18S	26E	558344	3624616*	4149	863	32	831
	<u>RA 04136</u>		RA	ED		1 1	32	18S	26E	555246	3619273*	4155	152	90	62
	<u>RA 00012 A</u>		RA	ED	3	3 4	- 11	18S	26E	560757	3624430*	4176	600		
	RA 11682 POD5		RA	ED	4	2 1	16	18S	26E	558214	3624632	4194	66	51	15
	<u>RA 11633 POD1</u>		RA	ED	2	1 2	05	19S	26E	556059	3617756	4206	180	130	50
	<u>RA 07260</u>		RA	ED		1 2	05	19S	26E	556060	3617672*	4262	198	100	98
	RA 07053		RA	ED		4 2	05	19S	26E	556468	3617271*	4271	135	90	45
	<u>RA 07142</u>		RA	ED		4 2	05	19S	26E	556468	3617271*	4271	217	98	119
	<u>RA 07448</u>		RA	ED		4 2	05	19S	26E	556468	3617271*	4271	207	105	102
	<u>RA 09276</u>		RA	ED		4 2	05	19S	26E	556468	3617271*	4271	265	100	165
	<u>RA 10318</u>		RA	ED		4 2	05	19S	26E	556468	3617271*	4271	240	100	140
	<u>RA 00012</u>	O	RA	ED		3 4	- 11	18S	26E	560858	3624531*	4308	600		
	RA 03596		RA	ED		3 4	- 11	18S	26E	560858	3624531*	4308	1736		
	RA 01230 CLW	O	RA	ED	1	1 3	04	19S	26E	556774	3616966*	4331	705		
	RA 03168		RA	ED	1	1 3	04	19S	26E	556774	3616966*	4331	150	70	80
	<u>RA 03181 REPAR-3</u>	О	RA	ED	1	1 4	17	18S	26E	555929	3623401*	4334	309	100	209
	<u>RA 03181 SUP</u>	O	RA	ED	1	1 4	17	18S	26E	555929	3623401*	4334	290	60	230
	RA 00010 CLW202760	O	RA	ED	3	1 3	10	18S	26E	558343	3624821*	4350	863	32	831
	RA 00010 CLW202772	O	RA	ED	3	1 3	10	18S	26E	558343	3624821*	4350	863	32	831

4350

863

32

831

ED 3 1 3 10 18S 26E 558343 3624821*

RA 00010 CLW202817

O

RA

A 00010 CLW202829	О	RA	ED	3	1	3	10	18S	26E	558343	3624821* 🎒	4350	863	32	831	
A 02877		RA	ED	3	1	3	10	18S	26E	558343	3624821*	4350	150			
<u>A 03181</u>		RA	ED	4	2	3	17	18S	26E	555726	3623199*	4364	200			
<u>A 09549</u>		RA	ED	1	1	2	10	19S	26E	559195	3616159*	4396	189	90	99	
A 12324 POD1		RA	ED	3	4	2	05	19S	26E	556339	3617207	4403	235	135	100	
A 08098		RA	ED	3	1	2	05	19S	26E	555959	3617571*	4404	215	100	115	
A 08315		RA	ED	3	1	2	05	19S	26E	555959	3617571*	4404	195	100	95	
A 01215 CLW		RA	ED	2	. 1	1	10	19S	26E	558590	3616159*	4438	880	50	830	
A 01215 CLWPU		RA	ED	2	. 1	1	10	19S	26E	558590	3616159*	4438	1000			
A 03118		RA	ED	2	. 1	1	10	19S	26E	558590	3616159*	4438	195			
A 03756		RA	ED	1	1	4	10	18S	26E	559147	3625027*	4472	148	55	93	
A 01230 #2	O	RA	ED	3	1	3	04	19S	26E	556774	3616766*	4498				
A 01230 REPAR	O	RA	ED	3	1	3	04	19S	26E	556774	3616766*	4498	800			
AA 03181 COMB	O	RA	ED		2	3	17	18S	26E	555627	3623300*	4504	229	55	174	
A 09709		RA	ED		2	2	17	18S	26E	556428	3624113*	4509	235	110	125	
A 12627 POD1		RA	ED	1	2	4	05	19S	26E	556415	3617007	4509	220	100	120	
A 02013		RA	ED	2	2	2	17	18S	26E	556527	3624212*	4529	136			
AA 07165		RA	ED		3	2	05	19S	26E	556065	3617269*	4541	193	110	83	
A 07508		RA	ED		3	2	05	19S	26E	556065	3617269*	4541	185	150	35	
AA 10133		RA	ED		3	2	05	19S	26E	556065	3617269*	4541	177	138	39	
A 01144		RA	ED	1	1	3	10	18S	26E	558343	3625021*	4547	697			
A 03564		RA	ED		1	1	10	19S	26E	558491	3616060*	4550	200	70	130	
A 03634		RA	ED	3	1	4	11	18S	26E	560757	3624835*	4554	1797			
A 12265 POD1		RA	ED	2	2	2	17	18S	26E	556509	3624232	4555	330	185	145	

4612

133

94

39

CH 4 2 4 05 19S 26E 556571 3616765*

RA 07124

RA

Recained,	by OFM: 9/8/2023 19:41:41	te.l.M.u	s/nmwrrs/	/ReportP	roxy	?que	ryData	a=%7B	3"report"	%3A"waterC	olumn"%2C%0A"E	BasinDiv"%3A"trเ	ıe"%2C%0A	\"Basin"%3A""	%2C%0A"County"%3A""%26%2A"&f 335
<u>R</u>	A 01462 #3		RA	ED		3 3	09	18S	26E	556830	3624520*	4618	230		
<u>R</u>	A 06131		RA	ED		3 3	09	18S	26E	556830	3624520*	4618	225	90	135
<u>R</u>	A 08557		RA	ED	2	1 4	05	19S	26E	556169	3616964*	4698	232	100	132
<u>R</u>	A 03789		RA	ED	4	3 1	10	18S	26E	558541	3625227*	4717	114	50	64
<u>R</u>	A 12984 POD1		RA	ED	4	4 2	09	18S	26E	558209	3625197	4746	85	69	16
<u>R</u>	A 11682 POD3		RA	ED	3	4 2	09	18S	26E	557934	3625136	4752	70	54	16
<u>R</u>	A 03382		RA	ED	1	3 3	09	18S	26E	556729	3624619*	4755	129		
<u>R</u>	A 04272		RA	ED	2	4 4	05	19S	26E	556576	3616561*	4778	102	58	44
<u>R</u>	A 07066 POD2		RA	ED	4	4 1	05	19S	26E	555761	3617166*	4827	150		
<u>R</u>	<u>A 06986</u>		RA	ED		1 4	05	19S	26E	556070	3616865*	4838	195	165	30
<u>R</u>	A 07172		RA	ED		1 4	05	19S	26E	556070	3616865*	4838	210	95	115
<u>R</u>	<u>A 04479</u>		RA	ED	2	4 4	08	18S	26E	556525	3624616*	4862	215	120	95
<u>R</u>	A 10386	R	RA	ED	2	4 4	08	18S	26E	556525	3624616*	4862	210	70	140
<u>R</u>	A 08567		RA	ED	1	4 4	05	19S	26E	556376	3616561*	4891	264	80	184
<u>R</u>	A 02048		RA	ED			09	18S	26E	557433	3625123*	4897			
<u>R</u>	A 06129		RA	ED		4 4	05	19S	26E	556477	3616462*	4915	125	190	-65
<u>R</u>	A 05162		RA	ED	3	1 3	09	18S	26E	556727	3624823*	4932	220	120	100
<u>R</u>	<u>A 04784</u>		RA	ED			30	18S	26E	554252	3620259*	4955	205	190	15
<u>R</u>	<u>A 01462</u>		RA	ED		1 3	09	18S	26E	556828	3624924*	4970	163		
<u>R</u>	<u>A 07066</u>		RA	ED	3	4 1	05	19S	26E	555561	3617166*	4972	202	100	102
<u>R</u>	A 03049		RA	ED	1	4 4	08	18S	26E	556325	3624616*	4974	129	60	69
											Average	e Depth to Water	:	86 feet	t
												Minimum Dep	th:	8 feet	t

Record Count: 195

UTMNAD83 Radius Search (in meters):

Easting (X): 559199 **Northing (Y):** 3620555.15 **Radius:** 5000

Maximum Depth:

190 feet

*UTM location was derived from PLSS - see Help

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

4/18/23 3:17 PM

WATER COLUMN/ AVERAGE DEPTH TO WATER



New Mexico Office of the State Engineer

Point of Diversion Summary

(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest)

(NAD83 UTM in meters)

Well Tag **POD Number** Q64 Q16 Q4 Sec Tws Rng

RA 11890 POD1

4 28 18S 26E

559161 3620210

Driller License: 1064

Driller Company:

DELFORD W. MARTIN

Driller Name:

MARTIN, DELFORD

Drill Start Date:

01/12/2013

Drill Finish Date:

01/20/2013

Plug Date:

Log File Date:

01/31/2013

PCW Rcv Date:

Source:

Shallow

Pump Type:

Pipe Discharge Size:

Estimated Yield: 10 GPM

Casing Size:

5.50 **Depth Well:** 175 feet

Depth Water:

85 feet

Water Bearing Stratifications:

Top

Bottom Description

144

175 Sandstone/Gravel/Conglomerate

Casing Perforations:

Top Bottom

175 95

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

4/18/23 3:18 PM

POINT OF DIVERSION SUMMARY



WELL RECORD & LOG.

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

STATE ENGINEER OFFICE ROSWELL, TELL MEXICO

NOI	WELL OWNER POB WELL LOCATION (FROM GPS	E MAILING AD	UMBER) RA- mo Cama DRESS 1514 DEGRE TUDE 104		9 N	PHÓNE (OPTION OF THE STATE OF T	-// 890 DNAL) 365-789 Ia 11	TH OF A SECOND	ZIP 8 2 //
_	COMPLETED	ARTED D L-/3 WELL IS:	AME OF LICENSED DR RILLING ENDED DE 1-20-13 ARTESIAN	-))	LE DEPTH (FT)	144_	LLING COMPANY A FE Y WE // EI ENCOUNTERED (FT) EL IN COMPLETED WE	
CASING INFORMATION	DEPTH (BORE HOLE DIAM (inches)	HAMMER CABLE TOOL CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CON	ASING NECTION IYPE	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
2. DRILLING &	9,5	17.5	7 7	S & PVC		9 //	5		18
3. ANNULAR MATERIAL	DEPTH FROM	(feet bgl) TO 175	BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL M GRAVEL PACK SIZE-RANG	GE BY INT		AMOUNT (cubic feet)	METHO PLACE	

POD NUMBER DOW

TRN NUMBER SI 8087

FILE NUMBER Qu _ 11850

Released to Invaging: 3/18/2024 3:12:53 PM) 114

	DEPTH (I	ect bgl)	THICKNESS (feet)	INCLUDE WATER-BEARING	MATERIAL ENCOUNTERE CAVITIES OR FRACTURE neets to fully describe all unit	ZONES	WA' BEAR (YES	ING?	ESTIMATED YIELD FOR WATER- BEARING ZONES (gpm)
	0	4	4	TARSAIL			ΠY	DX/N	
	4	49	45	Clay Tan			ΠY	ØΝ	
	49	7 8	29	Clay	Red		ΠY	№ N	
	29	8.5	6	sande class	Tan	(*\ ·	□Y	⊠ N	
	85	144	59	Sanaciay	Frey		ΟY	ΣΊN	
د	144	175	3/	end + En mel		rious	⊠Y	Пи	10 +
ELJ	-/ -⁷ - 	<i>, , ,</i>	<u> </u>	Sangvorzver	1011 102	11000	□ Y	□ N	
)F V				· · · · · · · · · · · · · · · · · · ·				_ N	
96 (113	□ Y	Пи	
CLC					· · · · · · · · · · · · · · · · · · ·	· •	□ Y	אם	
OGI								□ N	
EOL								ΠN	
SOG.							□ Y	□ N	
4. HYDROGEOLOGIC LOG OF WELL		7 /	1:2				ΠY	□ N	
4. H			1		£7.		□ Y	ע□	
					\(\frac{1}{2}\)		Y	<u> </u>	·
							□Y	□ N	
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			· · · · · · · · · · · · · · · · · · ·				 □ Y	אם	
								_ и	
							Y	□и	
	METHOD U	SED TO ES	TIMATE YIELD	OF WATER-BEARING STRATA:	☐ PUMP	TOT	AL ESTIM	ATED	
	🔯 air lift		_	OTHER – SPECIFY:	<u> </u>	I	L YIELD		10 T
Z.	WELL TEST	TEST I	RESULTS - ATTA	ACH A COPY OF DATA COLLECT ME, AND A TABLE SHOWING DIS	ED DURING WELL TESTIN CHARGE AND DRAWDOW	G, INCLUDII N OVER THI	NG DISCH	IARGE M	IETHOD, D.
TEST; RIG SUPERVISION	MISCELLAN	JEOUS INF	ORMATION:						
ERV	Air L	ifte	d & Ti	mes water (al 85				
SUP									ŀ
RIG									
ST;	DDD 277 31 43 4	Day of Dh	U.L. DIO GYMED	INCORAN THAT PROMINER ONG	TE GUIDED MOION OF HURL	COMPANI		TICD OW	ANTANA
5. TI	PRINTNAM	E(S) OF DR	ILL KIG SUPEK	VISOR(S) THAT PROVIDED ONSI	TE SUPER VISION OF WELL	CONSTRUC	TION OI	HER TH	AN LICENSEE:
	THE UNDER	SIGNED H	EREBY CERTIFI	ES THAT, TO THE BEST OF HIS C	OR HER KNOWLEDGE AND	BELIEF, TH	E FOREG	OING IS	A TRUE AND
JRE	CORRECT R	ECORD OF	THE ABOVE DI	ESCRIBED HOLE AND THAT HE (DAYS AFTER COMPLETION OF	OR SHE WILL FILE THIS W WELL DRILLING:	ELL RECORI	WITH T	HE STAT	E ENGINEER
6. SIGNATURE									
SIGN	a n	1 1.	m +	•		, ,	, ,	~	
6. 5	well	GIONATTI	TLANCE	R / PRINT SIGNEE NAME	,	1-3			
		SIGNATO	WE OF DRIFFER	C / PRINT SIGNEE NAME				DATE	

FILE NUMBER DM . [1810]
185. 215 23 114

Released to Imaging: 3/18/2024 3:12:33 PM

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 06/08/2012)

POD NUMBER

TRN NUMBER 518081

Locator Tool Report

General Information:

Application ID:29

Date: 02-07-2013

Time: 09:35:04

WR File Number: RA

Purpose: POINT OF DIVERSION

Applicant First Name: GUILLERMO Applicant Last Name: CAMACHO

GW Basin: ROSWELL ARTESIAN

County: EDDY

Critical Management Area Name(s): NONE Special Condition Area Name(s): NONE

Land Grant Name: NON GRANT

PLSS Description (New Mexico Principal Meridian):

NE 1/4 of NW 1/4 of NW 1/4 of SE 1/4 of Section 27, Township 18S, Range 26E.

Coordinate System Details:

Geographic Coordinates:

Latitude:

32 Degrees 43 Minutes 5.1 Seconds N

Longitude:

104 Degrees 22 Minutes 7.3 Seconds W

Universal Transverse Mercator Zone: 13N

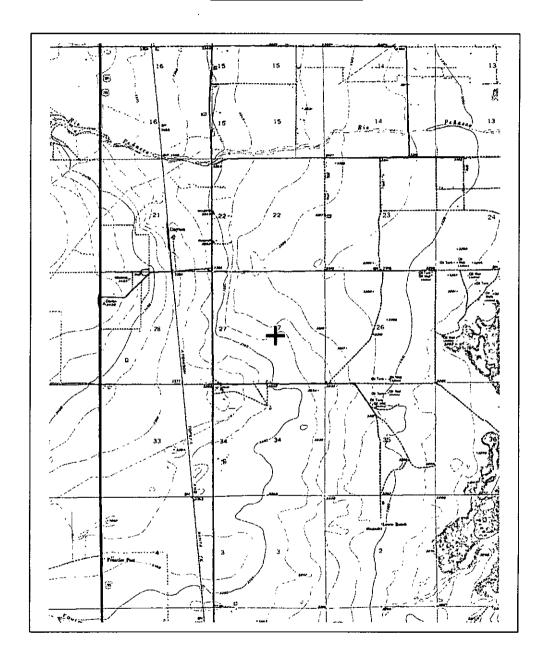
NAD 1983(92) (Meters) N: 3,620,210 E: 559,161 NAD 1983(92) (Survey Feet) N: 11,877,306 E: 1,834,513 NAD 1927 (Meters) N: 3,620,008 E: 559,211 NAD 1927 (Survey Feet) N: 11,876,642 E: 1,834,677

State Plane Coordinate System Zone: New Mexico East

NAD 1983(92) (Meters) N: 190,492 E: 161,685 NAD 1983(92) (Survey Feet) N: 624,971 E: 530,461 NAD 1927 (Meters) N: 190,473 E: 149,133 NAD 1927 (Survey Feet) N: 624,909 E: 489,282

NEW MEXICO OFFICE OF STATE ENGINEER

Locator Tool Report





WR File Number: RA Scale: 1:54,512

Northing/Easting: UTM83(92) (Meter): N: 3,620,210 E: 559,161

Northing/Easting: SPCS83(92) (Feet): N: 624,971 E: 530,461

GW Basin: Roswell Artesian

Page 2 of 2 Print Date: 02/07/2013



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

STATE ENGINEER OFFICE

	41.92 - 18.12 2.00 - 1		· <u></u>		* ***		ELI. 12.311 / 11. X	.	
		BER WELL N	777	-11890		OSE FILE YU	無過2 A 12:	18	
<u> </u>	GUI	Her	mo	Camacho		RA.	-11890	•	
YAT	.WELL OWNER	RNAME(S)				PHONE (OPTIC	ONAL)		
3	GUIL	erme	DEESS Cama	icho	··········	575 V	365-789	14.	· · · · · · · · · · · · · · · · · · ·
TT	WELL OWNER	R MAILING AD	DRESS			1 -	`		ZIP
₩.	POB	OX.	1514			Artes	1a 1	m 8	8211
AND WELL LOCATION	WELL	7.	DEGI	rees minutes s	ECONDS			7	
	LOCATION		DE 32	<u>43</u> .	509 N	1	REQUIRED: ONE TENT	H OF A SECOND	
GENERAL	(FROM GPS	LONGI	TUDE 104	~· aa ·· ;	732 W	DATUM REC	QUIRED: WGS 84		
	DESCRIPTION	N RELATING W	ELL LOCATION TO S	TREET ADDRESS AND COMMON LA	NDMARKS – PL	SS (SECTION, TO	WNSHJIP, RANGE) WHI	ERE AVAILABLE	
							a Alleran		
• • • • • • • • • • • • • • • • • • •	-LICENSE NUM	ABER	AME OF LICENSED D	RILLER			NAME OF WELL ORI	LLING COMPANY	
·	106			Martin			l _		, , ,
1	DRILLING ST			DEPTH OF COMPLETED WELL (FT)	BORE HO	LE DEPTH (FT)	DEPTH WATER FIRS	aterwell tencountered (FT)	Urig
`	1-12	1-1.3	1-20-13	175		5	144		, s.
Ì	7 1 9	_	,			<u>. </u>	STATIC WATER LEV	EL IN COMPLETED WE	LL (FT)
ż	COMPLETED	WELL IS:	_ artesian [DRY HOLE SHALLOW (U	JNCONFINED)		8.5		
CASING INFORMATION	DRILLING FL	UID.	AIR [MUD ADDITIVES	- SPECIFY:		<u> </u>		 ·
ZW.	DRILLING M		ROTARY	HAMMER CABLE TOOL	ь Потн	ER - SPECIFY:			
Į.	DEPTH (,~	CASING MATERIAL AND/O				<u> </u>	
ו בּבּ	FROM	TO	BORE HOLE DIAM	GRADE	, c	ASING INECTION	CASING. INSIDE DIAM.	-CASING WALL THICKNESS	SIZE
SIN			(inches)	(include each casing string, and note sections of screen)		TYPE	(inches)	(inches)	(inches)
	0	9.5	1 7 %		0	011	n. 1132 52 , 1130243	Contract Table	3 (123m - 12 m - 1
4G &	9.5	175	7 7	55 PVC	<u> و من </u>	e //	5	-1-	16
DRILLING		7_7				5-//		7	 *8
2.1		14							
								, .	
1				<u>.</u>			<u> </u>		
							<u> </u>		
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_	DEPTH	(feet bgl)	BORE HOLE	LIST ANNULAR SEA			AMOUNT	METH	
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FILE NUMBER RA. 11890

POD NUMBER DOM

TRN NUMBER . SI & O&!

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	DEPTH (feet bgl) TO	THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER- BEARING ZONES (gpm)
	0	4	4	TOPSOIL	□Y 13 27N	
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ION	WELL TES	T TEST	RESULTS - ATT. I TIME, END TIN	ACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUD ME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER TH	ING DISCHARGE M IE TESTING PERIO	METHOD, D.
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resi	PRINT NAM	E(S) OF DR	ULL RIG SUPER	VISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRU	CTION OTHER TH.	AN LICENSEE:
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SIGNATURE	CORRECT R	ECORD OF	THE ABOVE D	ES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE SCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD DAYS AFTER COMPLETION OF WELL DRILLING:	IE FOREGOING IS D WITH THE STAT	A TRUE AND E ENGINEER
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_		SIGNATU	TRE OF DRILLE	R / PRINT SIGNEE NAME	DATE	
FOR	OSE INTERN	AL USE		WR-20 WELLER	CORD & LOG (Vers	ion 06/08/2012)

POD NUMBER DOWN

TRN NUMBER 518081

Released to Imaging: 3/18/2024 3:12:53 PM

FILE NUMBER 24.11890

Locator Tool Report

General Information:

Application ID:29

Date: 02-07-2013

Time: 09:35:04

WR File Number: RA

Purpose: POINT OF DIVERSION

Applicant First Name: GUILLERMO Applicant Last Name: CAMACHO

GW Basin: ROSWELL ARTESIAN

County: EDDY

Critical Management Area Name(s): NONE Special Condition Area Name(s): NONE

Land Grant Name: NON GRANT

PLSS Description (New Mexico Principal Meridian):

NE 1/4 of NW 1/4 of NW 1/4 of SE 1/4 of Section 27, Township 18S, Range 26E.

Coordinate System Details:

Geographic Coordinates:

Latitude:

32 Degrees 43 Minutes 5.1 Seconds N

Longitude:

104 Degrees 22 Minutes 7.3 Seconds W

Universal Transverse Mercator Zone: 13N

NAD 1983(92) (Meters) NAD 1983(92) (Survey Feet) NAD 1927 (Meters) NAD 1927 (Survey Feet)

N: 3,620,210 E: 559,161

N: 11,877,306 E: 1,834,513 N: 3,620,008 E: 559,211

N: 11,876,642 E: 1,834,677

State Plane Coordinate System Zone: New Mexico East

NAD 1983(92) (Meters) NAD 1983(92) (Survey Feet) NAD 1927 (Meters) NAD 1927 (Survey Feet)

N: 190,492 N: 624,971 N: 190,473 E: 161,685 E: 530,461 E: 149,133

N: 624,909

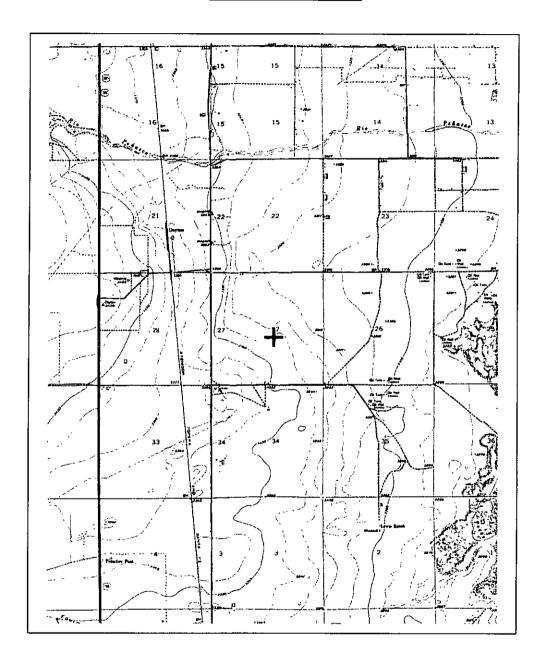
E: 489,282

Page 1 of 2

Print Date: 02/07/2013

NEW MEXICO OFFICE OF STATE ENGINEER

Locator Tool Report





WR File Number: RA Scale: 1:54,512

Northing/Easting: UTM83(92) (Meter): N: 3,620,210 E: 559,161

GW Basin: Roswell Artesian

Page 2 of 2 Print Date: 02/07/2013



WELL RECORD & LOG.

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

STATE ENGINEER OFFICE ROSWELL, TELL MEXICO

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GENERAL AND WELL LOCATION	OSE POD NUMBER (WELL NUMBER) RA -1/890					3 1M 32 A 12 13					
	Guillermo Camacho						RA-11890				
	WELL OWNER NAME(S)						ONAL)				
	Buillermo camacho						575 365-7894				
	WELL OWNER MAILING ADDRESS						CITY STATE ZIP				
	POBOX 1514					Artesia vm 88211					
	WELL DEGREES MINUTES SECONDS										
	LOCATION LATITUDE 3 A 43 509 N					* ACCURACY REQUIRED: ONE TENTH OF A SECOND DATUM REQUIRED: WGS 84					
	(FROM GPS) LONGITUDE 104 ~ 22 732 W										
	DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE										
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O.	DRILLING METHOD: ROTARY HAMMER CABLE TOOL OTHER - SPECIFY:										
Z	DEPTH	·	BORE HOLE	CASING MATERIAL AND/OR GRADE	c	ASING	CASING	-CASING:WALL	SLOT		
ING	FROM	TO	DIAM	(include each casing string, and		NECTION TYPE	INSIDE DIAM.	: THICKNESS	SIZE (inches)		
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POD NUMBER 1504

TRN NUMBER SI 8087

FILE NUMBER Qu _ 11850

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	DEPTH (TO	THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER- BEARING ZONES (gpm)				
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	4	49	45	clay Tan	□Y ⊠ N					
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	S AIR LIFT		BAILER [OTHER - SPECIFY: WE	LL YIELD (gpm):	10 +				
NC	WELL TEST TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.									
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URE	THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 20 DAYS AFTER COMPLETION OF WELL DRILLING:									
SIGNATURE										
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FOR OSE INTERNAL USE WR-20 WELL RECORD & LOG (Version 06/08/2012)										

Released to Imaging: 3/18/2024 3:12:53 PM

FILE NUMBER

WR-20 WELL RECORD & LOG (Version 06/08/2012)

POD NUMBER TRN NUMBER 518081

Locator Tool Report

General Information:

Application ID:29

Date: 02-07-2013

Time: 09:35:04

WR File Number: RA

Purpose: POINT OF DIVERSION

Applicant First Name: GUILLERMO Applicant Last Name: CAMACHO

GW Basin: ROSWELL ARTESIAN

County: EDDY

Critical Management Area Name(s): NONE Special Condition Area Name(s): NONE

Land Grant Name: NON GRANT

PLSS Description (New Mexico Principal Meridian):

NE 1/4 of NW 1/4 of NW 1/4 of SE 1/4 of Section 27, Township 18S, Range 26E.

Coordinate System Details:

Geographic Coordinates:

Latitude:

32 Degrees 43 Minutes 5.1 Seconds N

Longitude:

104 Degrees 22 Minutes 7.3 Seconds W

Universal Transverse Mercator Zone: 13N

NAD 1983(92) (Meters) NAD 1983(92) (Survey Feet) NAD 1927 (Meters) NAD 1927 (Survey Feet)

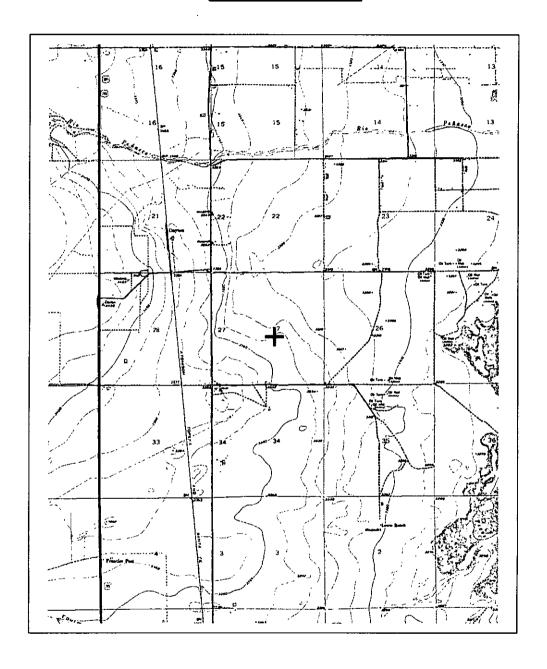
N: 3,620,210 E: 559,161 N: 11,877,306 E: 1,834,513 N: 3,620,008 E: 559,211 N: 11,876,642 E: 1,834,677

State Plane Coordinate System Zone: New Mexico East

NAD 1983(92) (Meters) N: 190,492 E: 161,685 NAD 1983(92) (Survey Feet) N: 624,971 E: 530,461 NAD 1927 (Meters) N: 190,473 E: 149,133 NAD 1927 (Survey Feet) N: 624,909 E: 489,282

NEW MEXICO OFFICE OF STATE ENGINEER

Locator Tool Report





WR File Number: RA Scale: 1:54,512

Northing/Easting: UTM83(92) (Meter): N: 3,620,210 E: 559,161

Northing/Easting: SPCS83(92) (Feet): N: 624,971 E: 530,461

GW Basin: Roswell Artesian

Page 2 of 2 Print Date: 02/07/2013



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

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STATE ENGINEER OFFICE

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AND WELL LOCATION	Guillermo Camacho					RA-11890				
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	WELL OWNER MAILING ABDRESS					575 365-7894 ZIP				
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<u> </u>	POBOX /5/4 DEGREES MINUTES SECONDS					Artesia vm 88211				
	. WELL					• ACCURACY REQUIRED: ONE TENTH OF A SECOND • DATUM REQUIRED: WGS 84				
RĄL	(FROM GPS)									
GENERAL	*LONGITUDE / 07						2			
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	COMPLETED WELL IS: ARTESIAN DRY HOLE SHALLOW (UNCONFINED)						8 5			
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FILE NUMBER RA. 11890

POD NUMBER

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Released to Imaging: 3/18/2024 3:12:53 PM

Locator Tool Report

General Information:

Application ID:29

Date: 02-07-2013

Time: 09:35:04

WR File Number: RA

Purpose: POINT OF DIVERSION

Applicant First Name: GUILLERMO Applicant Last Name: CAMACHO

GW Basin: ROSWELL ARTESIAN

County: EDDY

Critical Management Area Name(s): NONE Special Condition Area Name(s): NONE

Land Grant Name: NON GRANT

PLSS Description (New Mexico Principal Meridian):

NE 1/4 of NW 1/4 of NW 1/4 of SE 1/4 of Section 27, Township 18S, Range 26E.

Coordinate System Details:

Geographic Coordinates:

Latitude:

32 Degrees 43 Minutes 5.1 Seconds N

Longitude:

104 Degrees 22 Minutes 7.3 Seconds W

Universal Transverse Mercator Zone: 13N

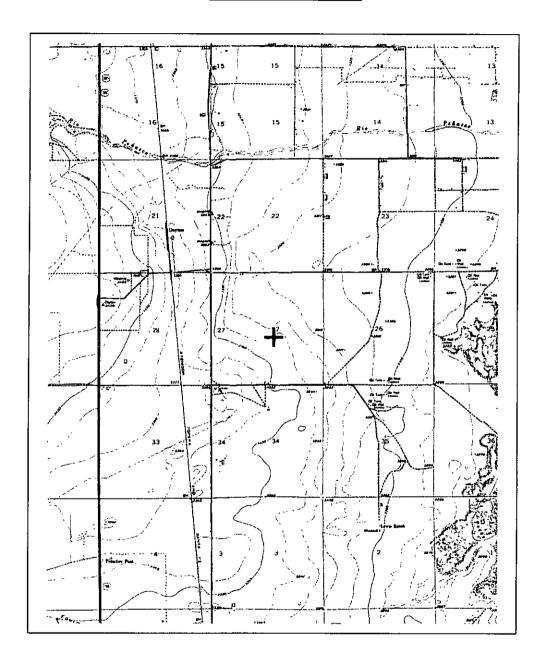
NAD 1983(92) (Meters) N: 3,620,210 E: 559,161 NAD 1983(92) (Survey Feet) N: 11,877,306 E: 1,834,513 NAD 1927 (Meters) N: 3,620,008 E: 559,211 NAD 1927 (Survey Feet) N: 11,876,642 E: 1,834,677

State Plane Coordinate System Zone: New Mexico East

NAD 1983(92) (Meters) N: 190,492 E: 161,685 NAD 1983(92) (Survey Feet) N: 624,971 E: 530,461 NAD 1927 (Meters) N: 190,473 E: 149,133 NAD 1927 (Survey Feet) N: 624,909 E: 489,282

NEW MEXICO OFFICE OF STATE ENGINEER

Locator Tool Report





WR File Number: RA Scale: 1:54,512

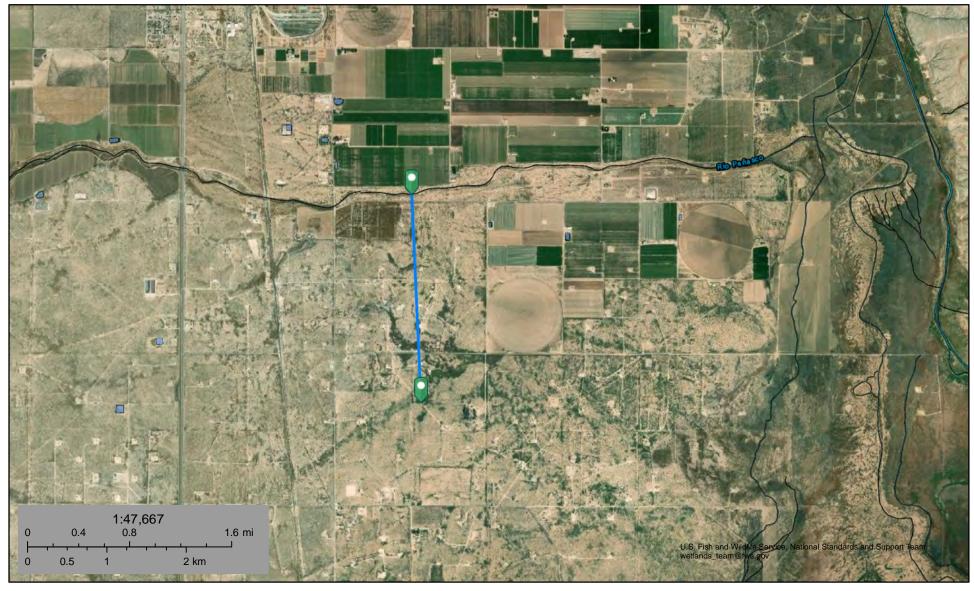
Northing/Easting: UTM83(92) (Meter): N: 3,620,210 E: 559,161

GW Basin: Roswell Artesian

Page 2 of 2 Print Date: 02/07/2013



Dayton Recycle Watercourse 7,205 ft



April 18, 2023

Wetlands

Estuarine and Marine Deepwater

Estuarine and Marine Wetland

Freshwater Emergent Wetland

Freshwater Pond

Freshwater Forested/Shrub Wetland

Lake

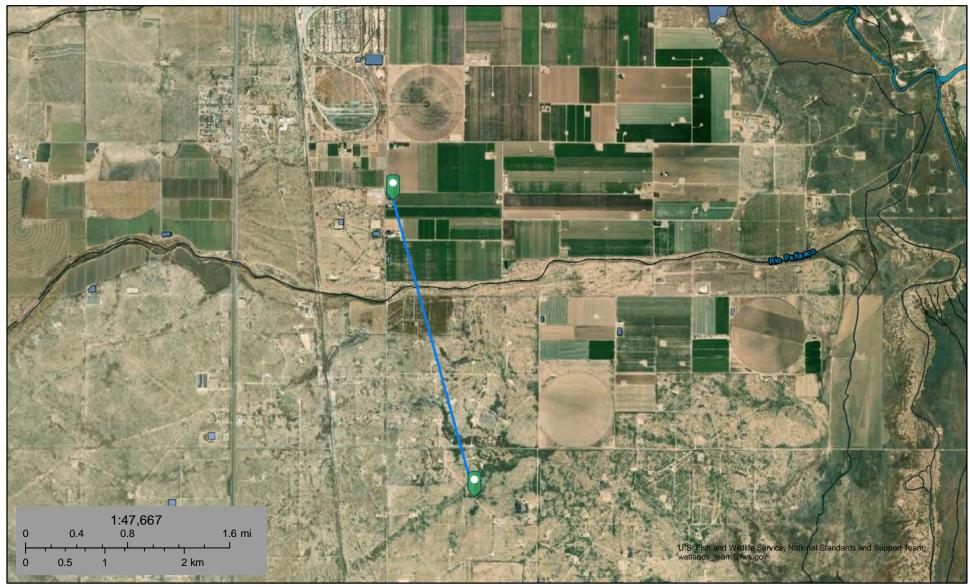
Other

Riverine

This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.



Dayton Recycle Lake 10,652 ft



April 18, 2023

Wetlands

Estuarine and Marine Deepwater

Estuarine and Marine Wetland

Freshwater Emergent Wetland

Freshwater Pond

Freshwater Forested/Shrub Wetland

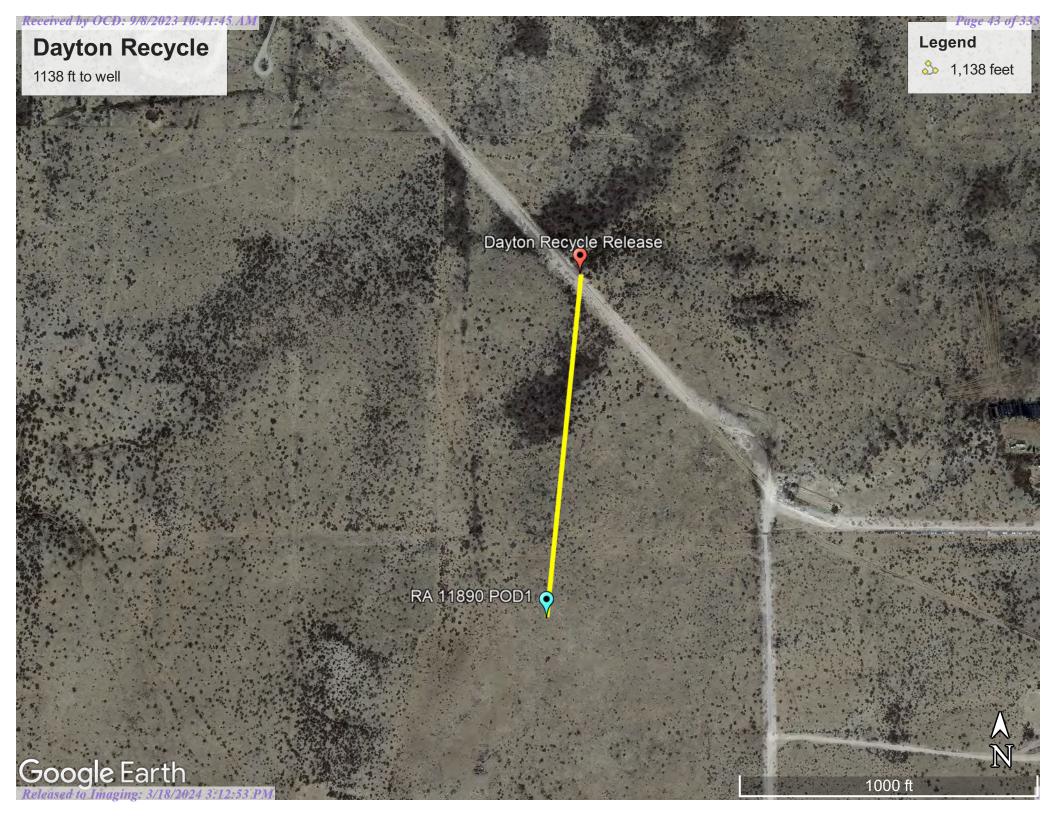
Lake

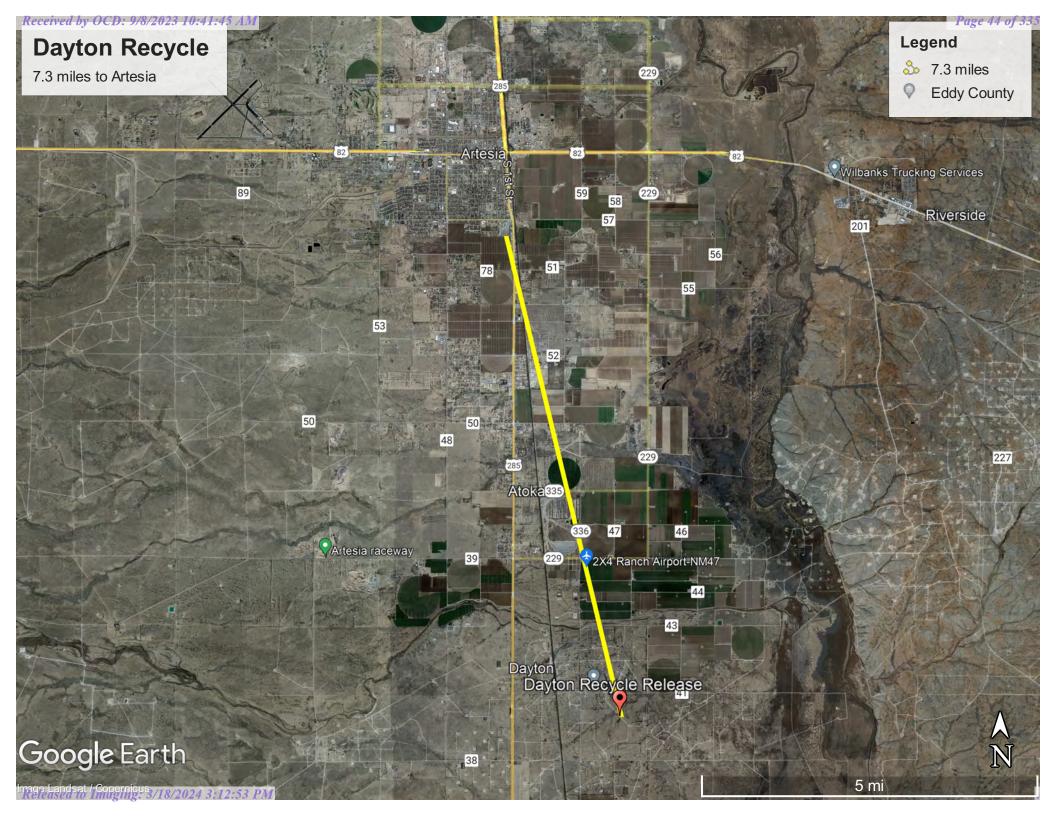
Other

Riverine

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Dayton Recycle Wetland 26,752 ft



April 18, 2023

Wetlands

Estuarine and Marine Deepwater

Estuarine and Marine Wetland

Freshwater Emergent Wetland

Freshwater Forested/Shrub Wetland

Freshwater Pond

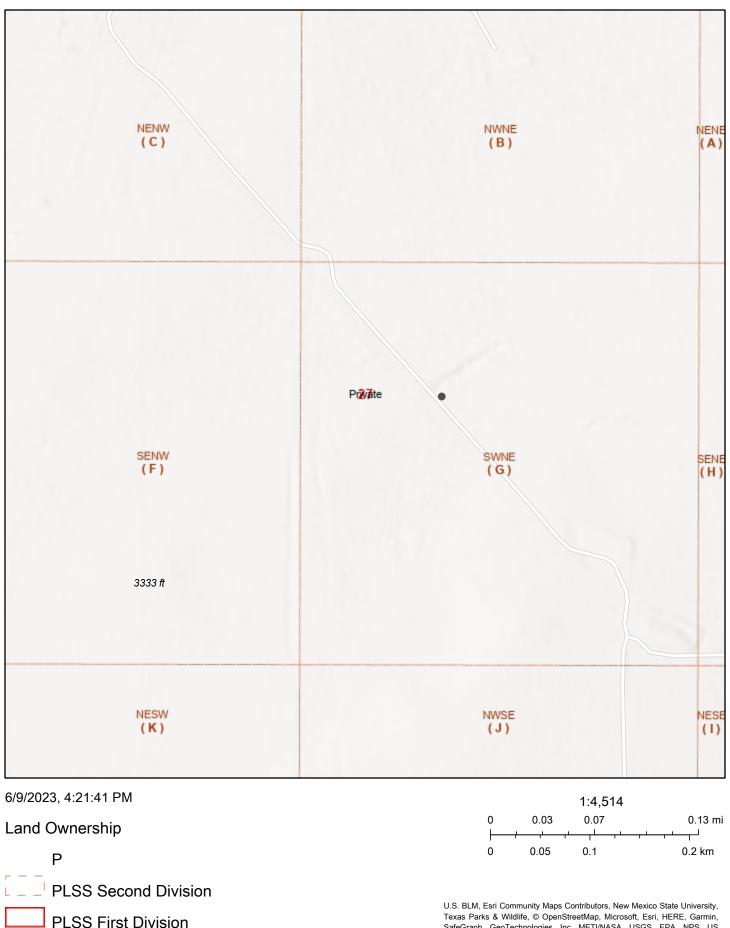
Lake

Riverine

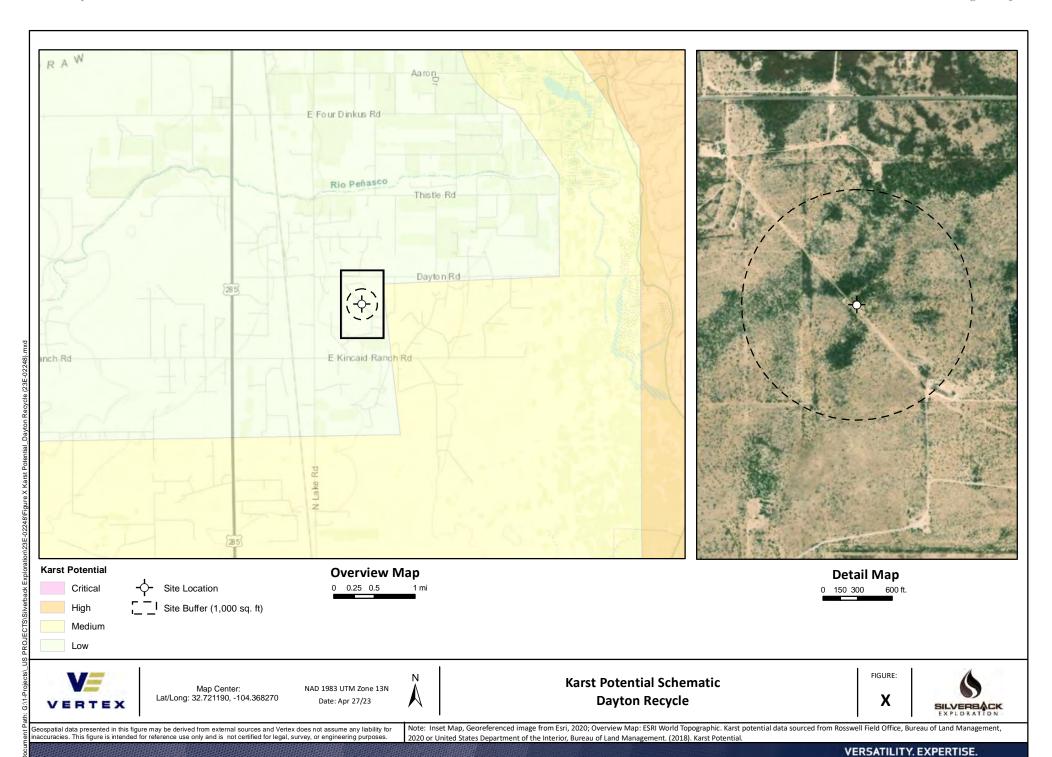
Other

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Active Mines in New Mexico



Texas Parks & Wildlife, © OpenStreetMap, Microsoft, Esri, HERE, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, US Census Bureau, USDA, Sources: Esri, Airbus DS, USGS, NGA, NASA,



Received by OCD: 9/8/2023 10:41:45 AM National Flood Hazard Layer FIRMette





SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT Without Base Flood Elevation (BFE) With BFE or Depth Zone AE, AO, AH, VE, AR SPECIAL FLOOD HAZARD AREAS Regulatory Floodway 0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone X **Future Conditions 1% Annual** Chance Flood Hazard Zone X Area with Reduced Flood Risk due to Levee. See Notes. Zone X OTHER AREAS OF Area with Flood Risk due to Levee Zone D FLOOD HAZARD NO SCREEN Area of Minimal Flood Hazard Zone X Effective LOMRs OTHER AREAS Area of Undetermined Flood Hazard Zone D - - - Channel, Culvert, or Storm Sewer **GENERAL** STRUCTURES | LILLIL Levee, Dike, or Floodwall 20.2 Cross Sections with 1% Annual Chance 17.5 Water Surface Elevation **Coastal Transect** Base Flood Elevation Line (BFE) Limit of Study Jurisdiction Boundary **Coastal Transect Baseline** OTHER **Profile Baseline FEATURES** Hydrographic Feature Digital Data Available No Digital Data Available MAP PANELS Unmapped

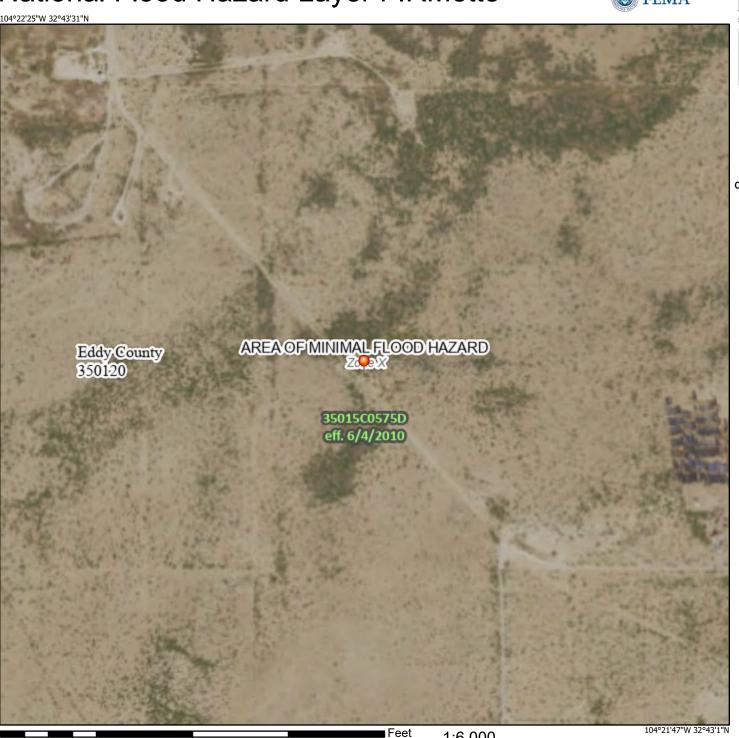
This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The pin displayed on the map is an approximate point selected by the user and does not represent

an authoritative property location.

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 5/10/2023 at 9:38 AM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.





VRCS

Natural Resources Conservation Service A product of the National Cooperative Soil Survey, a joint effort of the United States Department of Agriculture and other Federal agencies, State agencies including the Agricultural Experiment Stations, and local participants

Custom Soil Resource Report for Eddy Area, New Mexico



Preface

Soil surveys contain information that affects land use planning in survey areas. They highlight soil limitations that affect various land uses and provide information about the properties of the soils in the survey areas. Soil surveys are designed for many different users, including farmers, ranchers, foresters, agronomists, urban planners, community officials, engineers, developers, builders, and home buyers. Also, conservationists, teachers, students, and specialists in recreation, waste disposal, and pollution control can use the surveys to help them understand, protect, or enhance the environment.

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Great differences in soil properties can occur within short distances. Some soils are seasonally wet or subject to flooding. Some are too unstable to be used as a foundation for buildings or roads. Clayey or wet soils are poorly suited to use as septic tank absorption fields. A high water table makes a soil poorly suited to basements or underground installations.

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Information about soils is updated periodically. Updated information is available through the NRCS Web Soil Survey, the site for official soil survey information.

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Contents

Preface	2
How Soil Surveys Are Made	
Soil Map	
Soil Map (Dayton Recycle Release)	
Legend	10
Map Unit Legend (Dayton Recycle Release)	11
Map Unit Descriptions (Dayton Recycle Release)	11
Eddy Area, New Mexico	13
At—Atoka loam, 1 to 3 percent slopes	13
Rc—Reagan loam, 0 to 1 percent slopes	14
References	16

How Soil Surveys Are Made

Soil surveys are made to provide information about the soils and miscellaneous areas in a specific area. They include a description of the soils and miscellaneous areas and their location on the landscape and tables that show soil properties and limitations affecting various uses. Soil scientists observed the steepness, length, and shape of the slopes; the general pattern of drainage; the kinds of crops and native plants; and the kinds of bedrock. They observed and described many soil profiles. A soil profile is the sequence of natural layers, or horizons, in a soil. The profile extends from the surface down into the unconsolidated material in which the soil formed or from the surface down to bedrock. The unconsolidated material is devoid of roots and other living organisms and has not been changed by other biological activity.

Currently, soils are mapped according to the boundaries of major land resource areas (MLRAs). MLRAs are geographically associated land resource units that share common characteristics related to physiography, geology, climate, water resources, soils, biological resources, and land uses (USDA, 2006). Soil survey areas typically consist of parts of one or more MLRA.

The soils and miscellaneous areas in a survey area occur in an orderly pattern that is related to the geology, landforms, relief, climate, and natural vegetation of the area. Each kind of soil and miscellaneous area is associated with a particular kind of landform or with a segment of the landform. By observing the soils and miscellaneous areas in the survey area and relating their position to specific segments of the landform, a soil scientist develops a concept, or model, of how they were formed. Thus, during mapping, this model enables the soil scientist to predict with a considerable degree of accuracy the kind of soil or miscellaneous area at a specific location on the landscape.

Commonly, individual soils on the landscape merge into one another as their characteristics gradually change. To construct an accurate soil map, however, soil scientists must determine the boundaries between the soils. They can observe only a limited number of soil profiles. Nevertheless, these observations, supplemented by an understanding of the soil-vegetation-landscape relationship, are sufficient to verify predictions of the kinds of soil in an area and to determine the boundaries.

Soil scientists recorded the characteristics of the soil profiles that they studied. They noted soil color, texture, size and shape of soil aggregates, kind and amount of rock fragments, distribution of plant roots, reaction, and other features that enable them to identify soils. After describing the soils in the survey area and determining their properties, the soil scientists assigned the soils to taxonomic classes (units). Taxonomic classes are concepts. Each taxonomic class has a set of soil characteristics with precisely defined limits. The classes are used as a basis for comparison to classify soils systematically. Soil taxonomy, the system of taxonomic classification used in the United States, is based mainly on the kind and character of soil properties and the arrangement of horizons within the profile. After the soil

scientists classified and named the soils in the survey area, they compared the individual soils with similar soils in the same taxonomic class in other areas so that they could confirm data and assemble additional data based on experience and research.

The objective of soil mapping is not to delineate pure map unit components; the objective is to separate the landscape into landforms or landform segments that have similar use and management requirements. Each map unit is defined by a unique combination of soil components and/or miscellaneous areas in predictable proportions. Some components may be highly contrasting to the other components of the map unit. The presence of minor components in a map unit in no way diminishes the usefulness or accuracy of the data. The delineation of such landforms and landform segments on the map provides sufficient information for the development of resource plans. If intensive use of small areas is planned, onsite investigation is needed to define and locate the soils and miscellaneous areas.

Soil scientists make many field observations in the process of producing a soil map. The frequency of observation is dependent upon several factors, including scale of mapping, intensity of mapping, design of map units, complexity of the landscape, and experience of the soil scientist. Observations are made to test and refine the soil-landscape model and predictions and to verify the classification of the soils at specific locations. Once the soil-landscape model is refined, a significantly smaller number of measurements of individual soil properties are made and recorded. These measurements may include field measurements, such as those for color, depth to bedrock, and texture, and laboratory measurements, such as those for content of sand, silt, clay, salt, and other components. Properties of each soil typically vary from one point to another across the landscape.

Observations for map unit components are aggregated to develop ranges of characteristics for the components. The aggregated values are presented. Direct measurements do not exist for every property presented for every map unit component. Values for some properties are estimated from combinations of other properties.

While a soil survey is in progress, samples of some of the soils in the area generally are collected for laboratory analyses and for engineering tests. Soil scientists interpret the data from these analyses and tests as well as the field-observed characteristics and the soil properties to determine the expected behavior of the soils under different uses. Interpretations for all of the soils are field tested through observation of the soils in different uses and under different levels of management. Some interpretations are modified to fit local conditions, and some new interpretations are developed to meet local needs. Data are assembled from other sources, such as research information, production records, and field experience of specialists. For example, data on crop yields under defined levels of management are assembled from farm records and from field or plot experiments on the same kinds of soil.

Predictions about soil behavior are based not only on soil properties but also on such variables as climate and biological activity. Soil conditions are predictable over long periods of time, but they are not predictable from year to year. For example, soil scientists can predict with a fairly high degree of accuracy that a given soil will have a high water table within certain depths in most years, but they cannot predict that a high water table will always be at a specific level in the soil on a specific date.

After soil scientists located and identified the significant natural bodies of soil in the survey area, they drew the boundaries of these bodies on aerial photographs and

identified each as a specific map unit. Aerial photographs show trees, buildings, fields, roads, and rivers, all of which help in locating boundaries accurately.

Soil Map

The soil map section includes the soil map for the defined area of interest, a list of soil map units on the map and extent of each map unit, and cartographic symbols displayed on the map. Also presented are various metadata about data used to produce the map, and a description of each soil map unit.



MAP LEGEND

Area of Interest (AOI)

Area of Interest (AOI)

Soils

Soil Map Unit Polygons

Soil Map Unit Lines

Soil Map Unit Points

Special Point Features

ဖ

Blowout

Borrow Pit

Clay Spot

Closed Depression

Gravel Pit

Gravelly Spot

Landfill

Lava Flow Marsh or swamp

Mine or Quarry

Miscellaneous Water

Perennial Water Rock Outcrop

Saline Spot

Sandy Spot

Slide or Slip

Severely Eroded Spot

Sinkhole

Sodic Spot

Spoil Area Stony Spot

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Very Stony Spot

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Wet Spot Other

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Special Line Features

Water Features

Streams and Canals

Transportation

Rails

Interstate Highways

US Routes

Major Roads

00

Local Roads

Background

Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:20.000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service

Web Soil Survey URL:

Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Eddy Area, New Mexico Survey Area Data: Version 18, Sep 8, 2022

Soil map units are labeled (as space allows) for map scales 1:50.000 or larger.

Date(s) aerial images were photographed: Nov 12, 2022—Dec 2. 2022

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Map Unit Legend (Dayton Recycle Release)

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI			
At	Atoka loam, 1 to 3 percent slopes	1.2	3.7%			
Rc	Reagan loam, 0 to 1 percent slopes	30.5	96.3%			
Totals for Area of Interest		31.6	100.0%			

Map Unit Descriptions (Dayton Recycle Release)

The map units delineated on the detailed soil maps in a soil survey represent the soils or miscellaneous areas in the survey area. The map unit descriptions, along with the maps, can be used to determine the composition and properties of a unit.

A map unit delineation on a soil map represents an area dominated by one or more major kinds of soil or miscellaneous areas. A map unit is identified and named according to the taxonomic classification of the dominant soils. Within a taxonomic class there are precisely defined limits for the properties of the soils. On the landscape, however, the soils are natural phenomena, and they have the characteristic variability of all natural phenomena. Thus, the range of some observed properties may extend beyond the limits defined for a taxonomic class. Areas of soils of a single taxonomic class rarely, if ever, can be mapped without including areas of other taxonomic classes. Consequently, every map unit is made up of the soils or miscellaneous areas for which it is named and some minor components that belong to taxonomic classes other than those of the major soils.

Most minor soils have properties similar to those of the dominant soil or soils in the map unit, and thus they do not affect use and management. These are called noncontrasting, or similar, components. They may or may not be mentioned in a particular map unit description. Other minor components, however, have properties and behavioral characteristics divergent enough to affect use or to require different management. These are called contrasting, or dissimilar, components. They generally are in small areas and could not be mapped separately because of the scale used. Some small areas of strongly contrasting soils or miscellaneous areas are identified by a special symbol on the maps. If included in the database for a given area, the contrasting minor components are identified in the map unit descriptions along with some characteristics of each. A few areas of minor components may not have been observed, and consequently they are not mentioned in the descriptions, especially where the pattern was so complex that it was impractical to make enough observations to identify all the soils and miscellaneous areas on the landscape.

The presence of minor components in a map unit in no way diminishes the usefulness or accuracy of the data. The objective of mapping is not to delineate pure taxonomic classes but rather to separate the landscape into landforms or landform segments that have similar use and management requirements. The

delineation of such segments on the map provides sufficient information for the development of resource plans. If intensive use of small areas is planned, however, onsite investigation is needed to define and locate the soils and miscellaneous areas.

An identifying symbol precedes the map unit name in the map unit descriptions. Each description includes general facts about the unit and gives important soil properties and qualities.

Soils that have profiles that are almost alike make up a *soil series*. Except for differences in texture of the surface layer, all the soils of a series have major horizons that are similar in composition, thickness, and arrangement.

Soils of one series can differ in texture of the surface layer, slope, stoniness, salinity, degree of erosion, and other characteristics that affect their use. On the basis of such differences, a soil series is divided into *soil phases*. Most of the areas shown on the detailed soil maps are phases of soil series. The name of a soil phase commonly indicates a feature that affects use or management. For example, Alpha silt loam, 0 to 2 percent slopes, is a phase of the Alpha series.

Some map units are made up of two or more major soils or miscellaneous areas. These map units are complexes, associations, or undifferentiated groups.

A *complex* consists of two or more soils or miscellaneous areas in such an intricate pattern or in such small areas that they cannot be shown separately on the maps. The pattern and proportion of the soils or miscellaneous areas are somewhat similar in all areas. Alpha-Beta complex, 0 to 6 percent slopes, is an example.

An association is made up of two or more geographically associated soils or miscellaneous areas that are shown as one unit on the maps. Because of present or anticipated uses of the map units in the survey area, it was not considered practical or necessary to map the soils or miscellaneous areas separately. The pattern and relative proportion of the soils or miscellaneous areas are somewhat similar. Alpha-Beta association, 0 to 2 percent slopes, is an example.

An *undifferentiated group* is made up of two or more soils or miscellaneous areas that could be mapped individually but are mapped as one unit because similar interpretations can be made for use and management. The pattern and proportion of the soils or miscellaneous areas in a mapped area are not uniform. An area can be made up of only one of the major soils or miscellaneous areas, or it can be made up of all of them. Alpha and Beta soils, 0 to 2 percent slopes, is an example.

Some surveys include *miscellaneous areas*. Such areas have little or no soil material and support little or no vegetation. Rock outcrop is an example.

Eddy Area, New Mexico

At—Atoka loam, 1 to 3 percent slopes

Map Unit Setting

National map unit symbol: 1w41 Elevation: 1,100 to 4,300 feet

Mean annual precipitation: 7 to 14 inches

Mean annual air temperature: 60 to 70 degrees F

Frost-free period: 200 to 240 days

Farmland classification: Farmland of statewide importance

Map Unit Composition

Atoka and similar soils: 98 percent Minor components: 2 percent

Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Atoka

Setting

Landform: Plains

Landform position (three-dimensional): Riser

Down-slope shape: Convex Across-slope shape: Linear Parent material: Mixed alluvium

Typical profile

H1 - 0 to 8 inches: loam
H2 - 8 to 33 inches: loam
H3 - 33 to 37 inches: indurated

Properties and qualities

Slope: 1 to 3 percent

Depth to restrictive feature: 20 to 40 inches to petrocalcic

Drainage class: Well drained

Runoff class: High

Capacity of the most limiting layer to transmit water (Ksat): Very low to moderately

low (0.00 to 0.06 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None Frequency of ponding: None

Calcium carbonate, maximum content: 15 percent

Maximum salinity: Very slightly saline to slightly saline (2.0 to 4.0 mmhos/cm)

Sodium adsorption ratio, maximum: 1.0

Available water supply, 0 to 60 inches: Moderate (about 6.4 inches)

Interpretive groups

Land capability classification (irrigated): 3e Land capability classification (nonirrigated): 7e

Hydrologic Soil Group: C

Ecological site: R070BC007NM - Loamy

Hydric soil rating: No

Minor Components

Atoka

Percent of map unit: 1 percent

Ecological site: R070BC007NM - Loamy

Hydric soil rating: No

Upton

Percent of map unit: 1 percent

Ecological site: R070BC025NM - Shallow

Hydric soil rating: No

Rc—Reagan loam, 0 to 1 percent slopes

Map Unit Setting

National map unit symbol: 1w5l Elevation: 1,100 to 5,300 feet

Mean annual precipitation: 7 to 15 inches

Mean annual air temperature: 57 to 70 degrees F

Frost-free period: 200 to 240 days

Farmland classification: Farmland of statewide importance

Map Unit Composition

Reagan and similar soils: 97 percent

Minor components: 3 percent

Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Reagan

Setting

Landform: Fan remnants, alluvial fans Landform position (three-dimensional): Rise

Down-slope shape: Convex, linear

Across-slope shape: Linear

Parent material: Alluvium and/or eolian deposits

Typical profile

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

Properties and qualities

Slope: 0 to 1 percent

Depth to restrictive feature: More than 80 inches

Drainage class: Well drained

Runoff class: Low

Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high

(0.60 to 2.00 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None Frequency of ponding: None

Calcium carbonate, maximum content: 40 percent

Maximum salinity: Very slightly saline to moderately saline (2.0 to 8.0 mmhos/cm)

Sodium adsorption ratio, maximum: 1.0

Available water supply, 0 to 60 inches: Moderate (about 8.2 inches)

Interpretive groups

Land capability classification (irrigated): 2e Land capability classification (nonirrigated): 6c

Hydrologic Soil Group: B

Ecological site: R070BC007NM - Loamy

Hydric soil rating: No

Minor Components

Reagan

Percent of map unit: 1 percent

Ecological site: R070BC007NM - Loamy

Hydric soil rating: No

Upton

Percent of map unit: 1 percent

Ecological site: R070BC025NM - Shallow

Hydric soil rating: No

Reeves

Percent of map unit: 1 percent

Ecological site: R070BC007NM - Loamy

Hydric soil rating: No

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The National Cooperative Soil Survey is a joint effort of the United States Department of Agriculture and other Federal agencies, State agencies including the Agricultural Experiment Stations, and local agencies. The Natural Resources Conservation Service (NRCS) has leadership for the Federal part of the National Cooperative Soil Survey.

Information about soils is updated periodically. Updated information is available through the NRCS Web Soil Survey, the site for official soil survey information.

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Contents

Preface	2
How Soil Surveys Are Made	
Soil Information for All Uses	8
Ecological Sites	8
All Ecological Sites — (Dayton Recycle Release)	8
Map—Dominant Ecological Site (Dayton Recycle Release)	9
Legend—Dominant Ecological Site (Dayton Recycle Release)	10
Table—Ecological Sites by Map Unit Component (Dayton Recycle	
Release)	11
References	12

How Soil Surveys Are Made

Soil surveys are made to provide information about the soils and miscellaneous areas in a specific area. They include a description of the soils and miscellaneous areas and their location on the landscape and tables that show soil properties and limitations affecting various uses. Soil scientists observed the steepness, length, and shape of the slopes; the general pattern of drainage; the kinds of crops and native plants; and the kinds of bedrock. They observed and described many soil profiles. A soil profile is the sequence of natural layers, or horizons, in a soil. The profile extends from the surface down into the unconsolidated material in which the soil formed or from the surface down to bedrock. The unconsolidated material is devoid of roots and other living organisms and has not been changed by other biological activity.

Currently, soils are mapped according to the boundaries of major land resource areas (MLRAs). MLRAs are geographically associated land resource units that share common characteristics related to physiography, geology, climate, water resources, soils, biological resources, and land uses (USDA, 2006). Soil survey areas typically consist of parts of one or more MLRA.

The soils and miscellaneous areas in a survey area occur in an orderly pattern that is related to the geology, landforms, relief, climate, and natural vegetation of the area. Each kind of soil and miscellaneous area is associated with a particular kind of landform or with a segment of the landform. By observing the soils and miscellaneous areas in the survey area and relating their position to specific segments of the landform, a soil scientist develops a concept, or model, of how they were formed. Thus, during mapping, this model enables the soil scientist to predict with a considerable degree of accuracy the kind of soil or miscellaneous area at a specific location on the landscape.

Commonly, individual soils on the landscape merge into one another as their characteristics gradually change. To construct an accurate soil map, however, soil scientists must determine the boundaries between the soils. They can observe only a limited number of soil profiles. Nevertheless, these observations, supplemented by an understanding of the soil-vegetation-landscape relationship, are sufficient to verify predictions of the kinds of soil in an area and to determine the boundaries.

Soil scientists recorded the characteristics of the soil profiles that they studied. They noted soil color, texture, size and shape of soil aggregates, kind and amount of rock fragments, distribution of plant roots, reaction, and other features that enable them to identify soils. After describing the soils in the survey area and determining their properties, the soil scientists assigned the soils to taxonomic classes (units). Taxonomic classes are concepts. Each taxonomic class has a set of soil characteristics with precisely defined limits. The classes are used as a basis for comparison to classify soils systematically. Soil taxonomy, the system of taxonomic classification used in the United States, is based mainly on the kind and character of soil properties and the arrangement of horizons within the profile. After the soil

scientists classified and named the soils in the survey area, they compared the individual soils with similar soils in the same taxonomic class in other areas so that they could confirm data and assemble additional data based on experience and research.

The objective of soil mapping is not to delineate pure map unit components; the objective is to separate the landscape into landforms or landform segments that have similar use and management requirements. Each map unit is defined by a unique combination of soil components and/or miscellaneous areas in predictable proportions. Some components may be highly contrasting to the other components of the map unit. The presence of minor components in a map unit in no way diminishes the usefulness or accuracy of the data. The delineation of such landforms and landform segments on the map provides sufficient information for the development of resource plans. If intensive use of small areas is planned, onsite investigation is needed to define and locate the soils and miscellaneous areas.

Soil scientists make many field observations in the process of producing a soil map. The frequency of observation is dependent upon several factors, including scale of mapping, intensity of mapping, design of map units, complexity of the landscape, and experience of the soil scientist. Observations are made to test and refine the soil-landscape model and predictions and to verify the classification of the soils at specific locations. Once the soil-landscape model is refined, a significantly smaller number of measurements of individual soil properties are made and recorded. These measurements may include field measurements, such as those for color, depth to bedrock, and texture, and laboratory measurements, such as those for content of sand, silt, clay, salt, and other components. Properties of each soil typically vary from one point to another across the landscape.

Observations for map unit components are aggregated to develop ranges of characteristics for the components. The aggregated values are presented. Direct measurements do not exist for every property presented for every map unit component. Values for some properties are estimated from combinations of other properties.

While a soil survey is in progress, samples of some of the soils in the area generally are collected for laboratory analyses and for engineering tests. Soil scientists interpret the data from these analyses and tests as well as the field-observed characteristics and the soil properties to determine the expected behavior of the soils under different uses. Interpretations for all of the soils are field tested through observation of the soils in different uses and under different levels of management. Some interpretations are modified to fit local conditions, and some new interpretations are developed to meet local needs. Data are assembled from other sources, such as research information, production records, and field experience of specialists. For example, data on crop yields under defined levels of management are assembled from farm records and from field or plot experiments on the same kinds of soil.

Predictions about soil behavior are based not only on soil properties but also on such variables as climate and biological activity. Soil conditions are predictable over long periods of time, but they are not predictable from year to year. For example, soil scientists can predict with a fairly high degree of accuracy that a given soil will have a high water table within certain depths in most years, but they cannot predict that a high water table will always be at a specific level in the soil on a specific date.

After soil scientists located and identified the significant natural bodies of soil in the survey area, they drew the boundaries of these bodies on aerial photographs and

identified each as a specific map unit. Aerial photographs show trees, buildings, fields, roads, and rivers, all of which help in locating boundaries accurately.

Soil Information for All Uses

Ecological Sites

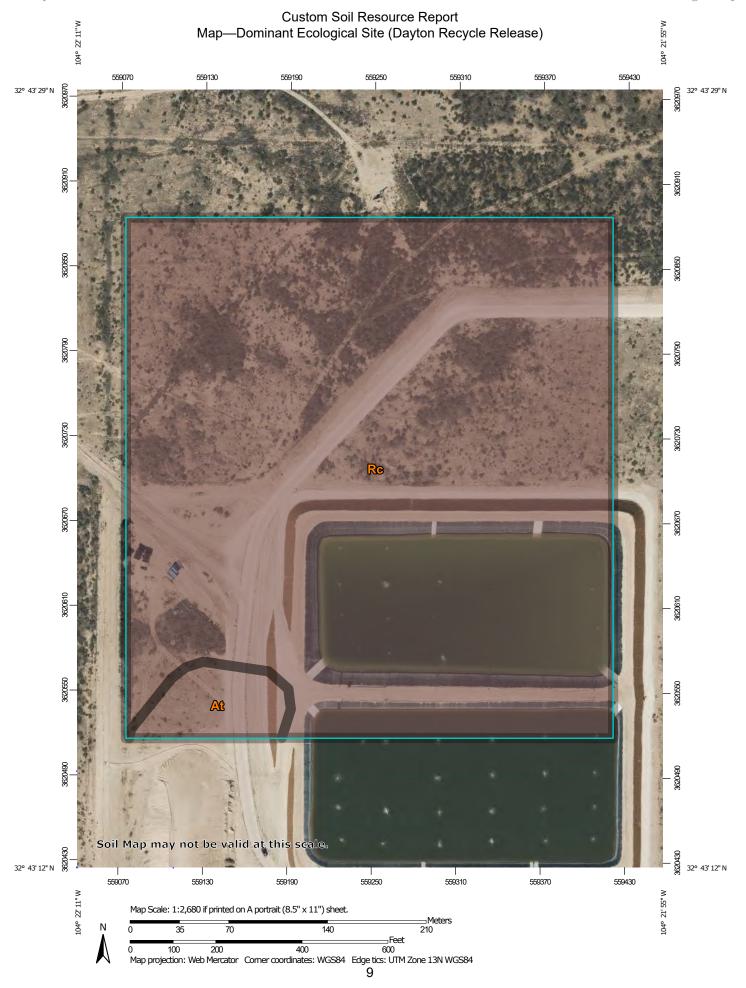
Individual soil map unit components can be correlated to a particular ecological site. The Ecological Site Assessment section includes ecological site descriptions, plant growth curves, state and transition models, and selected National Plants database information.

All Ecological Sites — (Dayton Recycle Release)

An "ecological site" is the product of all the environmental factors responsible for its development. It has characteristic soils that have developed over time; a characteristic hydrology, particularly infiltration and runoff, that has developed over time; and a characteristic plant community (kind and amount of vegetation). The vegetation, soils, and hydrology are all interrelated. Each is influenced by the others and influences the development of the others. For example, the hydrology of the site is influenced by development of the soil and plant community. The plant community on an ecological site is typified by an association of species that differs from that of other ecological sites in the kind and/or proportion of species or in total production.

An ecological site name provides a general description of a particular ecological site. For example, "Loamy Upland" is the name of a rangeland ecological site. An "ecological site ID" is the symbol assigned to a particular ecological site.

The map identifies the dominant ecological site for each map unit, aggregated by dominant condition. Other ecological sites may occur within each map unit. Each map unit typically consists of one or more components (soils and/or miscellaneous areas). Each soil component is associated with an ecological site. Miscellaneous areas, such as rock outcrop, sand dunes, and badlands, have little or no soil material and support little or no vegetation and therefore are not linked to an ecological site. The table below the map lists all of the ecological sites for each map unit component in your area of interest.



Custom Soil Resource Report

MAP LEGEND

Area of Interest (AOI)

Area of Interest (AOI)

Soils

Soil Rating Polygons

R070BC007NM

Not rated or not available

Soil Rating Lines

R070BC007NM

Not rated or not available

Soil Rating Points

R070BC007NM

Not rated or not available

Water Features

Streams and Canals

Transportation

+++ Rails

Interstate Highways

US Routes

-

Major Roads

Local Roads

Background

Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:20.000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service

Web Soil Survey URL:

Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Eddy Area, New Mexico Survey Area Data: Version 18, Sep 8, 2022

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Nov 12, 2022—Dec 2, 2022

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Custom Soil Resource Report

Table—Ecological Sites by Map Unit Component (Dayton Recycle Release)

Map unit symbol	Map unit name	Component name (percent)	Ecological site	Acres in AOI	Percent of AOI
At	Atoka loam, 1 to 3 percent slopes	Atoka (98%)	R070BC007NM — Loamy	1.2	3.7%
		Atoka (1%)	R070BC007NM — Loamy		
		Upton (1%)	R070BC025NM — Shallow		
Rc	Reagan loam, 0 to 1 percent slopes	Reagan (97%)	R070BC007NM — Loamy	30.5	96.3%
		Reagan (1%)	R070BC007NM — Loamy		
		Reeves (1%)	R070BC007NM — Loamy		
		Upton (1%)	R070BC025NM — Shallow		
Totals for Area of In	terest			31.6	100.0%

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ATTACHMENT 3

Client Name: Silverback Exploration Site Name: Dayton Recycle Release NMOCD Tracking #: nAPP2307356662

Project #: 23E-02248

Lab Reports: 2306008, 2305B56, 2305B58, 2305347, 2305404, 2305A89, 2306560 and 2307085

		l Characterization	ı sanıpie i	.auui atur		•		1191 20-10	o reet ngs	
	Sample Descrip	otion			Petrole	eum Hydro				
			Voi	atile		ı	Extractable	:		Inorganic
Sample ID	Depth (ft)	Sample Date	Benzene (mg/kg)	BTEX (Total)	යි Gasoline Range Organics කි (GRO)	ച്ച Diesel Range Organics ജ (DRO)	Motor Oil Range Organics	(mg/kg)	ਤੇ Total Petroleum ਲ੍ਹੇ Hydrocarbons (TPH)	a) (Say/Sa (Say) (Say/Sa) (Say/Say) (Say/Say)
BH23-01	0	April 30, 2023	(IIIg/Kg)	(IIIg/Ng/	(1118/18)	(1118/18)	(IIIg/Ng)	(IIIg/ Ng/	(IIIg/ Ng)	ND
BH23-01	2	May 1, 2023	ND	ND	ND	ND	ND	ND	ND	420
	4	May 1, 2023	-	-	-	-	-	-	-	210
BH23-02	0	April 30, 2023	_	_	_	_	_	_	_	5200
D1123 02	2	May 1, 2023	_	_	_	_	_	_	_	240
	4	May 1, 2023	-	-	-	-	-	-	_	220
BH23-03	0	May 1, 2023	-	-	-	-	_	_	-	ND
	2	May 1, 2023	-	-	-	-	-	_	-	ND
	4	May 1, 2023	-	-	-	-	-	-	-	280
BH23-04	0	May 1, 2023	-	-	-	-	-	-	-	6000
	2	May 1, 2023	-	-	-	-	-	-	-	240
	4	May 1, 2023	-	-	-	-	-	-	-	190
BH23-05	0	May 2, 2023	-	-	-	-	-	-	-	2200
	2	May 2, 2023	ND	ND	ND	ND	ND	ND	ND	410
	4	May 2, 2023	-	-	-	-	-	-	-	190
BH23-06	0	May 2, 2023	-	-	-	-	-	-	-	ND
	2	May 2, 2023	-	-	-	-	-	-	-	ND
	4	May 2, 2023	-	-	-	-	-	-	-	ND
BH23-07	0	May 2, 2023	-	-	-	-	-	-	-	5900
	2	May 2, 2023	-	-	-	-	-	-	-	ND
	4	May 2, 2023	-	-	-	-	-	-	-	ND
BH23-08	0	May 2, 2023	-	-	-	-	-	-	-	7500
	2	May 2, 2023	-	-	-	-	-	-	-	88
	4	May 2, 2023	-	-	-	-	-	-	-	300
BH23-09	0	May 2, 2023	-	-	-	-	-	-	-	2100
	2	May 2, 2023	-	-	-	-	-	-	-	ND
	4	May 2, 2023	-	-	-	-	-	-	-	ND
BH23-10	0	May 3, 2023	-	-	-	-	-	-	-	2800
	2	May 3, 2023	ND	ND	ND	ND	ND	ND	ND	97
BUIGG 11	4	May 3, 2023	-	-	-	-	-	-	-	ND
BH23-11	0	May 3, 2023	-	-	-	-	-	-	-	4400
	2	May 3, 2023	-	-	-	-	-	-	-	ND
	4	May 3, 2023	-	-	-	-	-	-	-	ND



		10.41.45 AM								Page 81 of
BH23-12	0	May 3, 2023	-	-	-	-	-	-	-	2300
	2	May 3, 2023	-	-	-	-	-	-	-	ND
	4	May 3, 2023	-	-	-	-	-	-	-	ND
BH23-13	0	May 3, 2023	-	-	-	-	-	-	-	2600
	2	May 3, 2023	-	-	-	-	-	-	-	220
	4	May 3, 2023	-	-	-	-	-	-	-	270
BH23-14	0	May 3, 2023	-	-	-	-	-	-	-	1400
	2	May 3, 2023	-	-	-	-	-	-	-	ND
	4	May 3, 2023	-	-	-	-	-	-	-	65
BH23-15	0	May 3, 2023	-	-	-	-	_	-	-	590
	2	May 3, 2023	-	_	_	_	-	-	-	330
	4	May 3, 2023	_	_	_	_	_	_	_	210
BH23-16	0	May 3, 2023	_	_	_	_	_	_	_	ND
DI123-10	2	May 3, 2023	ND	ND	ND	ND	ND	ND	ND	860
	4	May 3, 2023	-	-	-	-	-	-	-	380
DU22 17				_						
BH23-17	0	May 5, 2023 May 5, 2023	-	-	-	-	-	-	-	71 ND
	2					-			-	
DU22.40	4	May 5, 2023	-	-	-	-	-	-	-	ND 4800
BH23-18	0	May 5, 2023	-	-	-	-	-	-	-	4800
	2	May 5, 2023	-	-	-	-	-	-	-	ND
	4	May 5, 2023	-	-	-	-	-	-	-	ND
BH23-19	0	May 5, 2023	-	-	-	-	-	-	-	ND
_	2	May 5, 2023	-	-	-	-	-	-	-	230
	4	May 5, 2023	-	-	-	-	-	-	-	180
BH23-20	0	May 5, 2023	-	-	-	-	-	-	-	ND
	2	May 5, 2023	ND	ND	ND	ND	ND	ND	ND	ND
	4	May 5, 2023	-	-	-	-	-	-	-	ND
BH23-21	0	May 6, 2023	-	-	-	-	-	-	-	4900
	2	May 6, 2023	-	-	-	-	-	-	-	ND
	4	May 6, 2023	-	-	-	-	-	-	-	ND
BH23-22	0	May 6, 2023	-	-	-	-	-	-	-	9500
	2	May 6, 2023	-	-	-	-	-	-	-	ND
	4	May 6, 2023	-	-	-	-	-	-	-	ND
BH23-23	0	May 6, 2023	-	-	-	-	-	-	-	4600
	2	May 6, 2023	-	-	-	-	-	-	-	870
	4	May 6, 2023	-	-	-	-	-	-	-	740
BH23-24	0	May 6, 2023	-	-	-	-	-	-	-	700
	2	May 6, 2023	-	-	-	-	-	-	-	ND
	4	May 6, 2023	-	-	-	-	-	-	-	130
BH23-25	0	May 6, 2023	-	-	-	-	-	-	-	5600
	2	May 6, 2023	ND	ND	ND	ND	ND	ND	ND	ND
	4	May 6, 2023	-	-	-	-	-	-	-	ND
BH23-26	0	May 6, 2023	-	-	-	-	-	-	-	500
	2	May 6, 2023	-	-	-	_	_	_	-	ND
	4	May 6, 2023	-	-	-	-	-	-	-	ND
BH23-27	0	May 6, 2023	-	-	-	-	-	-	-	2600
	2	May 6, 2023	-	_	_	_	_	_	-	ND
<u> </u>	4	May 6, 2023	-	-	-	-	-	-	-	ND
BH23-28	0	May 6, 2023	-	-	-	-	-	-	-	410
51123-20	2	May 6, 2023	-	-	-	-	-	-	-	ND
-	4	May 6, 2023	-	-	-	_	-	-	-	600
DH32 30	0									
BH23-29		May 18, 2023	-	-	-	-	-	-	-	2300
<u></u>	2	May 18, 2023	-	-	-	-	-	-	-	72
DU22.20	4	May 18, 2023	-	-	-	-	-	-	-	190
BH23-30	0	May 18, 2023	-	-	-	-	-	-	-	2900



ceived by OCD.	4	May 18, 2023	ND	ND	ND	ND	ND	ND	ND	Page 82 of 300
BH23-31	0	May 18, 2023	-	-	-	-	-	-	-	13000
	2	May 18, 2023	-	-	-	-	-	-	-	ND
	4	May 18, 2023	-	-	-	-	-	-	-	350
BH23-32	0	May 18, 2023	-	-	-	-	-	-	-	150
	2	May 18, 2023	-	-	-	-	-	-	-	370
	4	May 18, 2023	ND	ND	ND	ND	ND	ND	ND	1100
BH23-33	0	May 18, 2023	-	-	-	-	-	-	-	440
	2	May 18, 2023	-	-	-	-	-	-	-	ND
BH23-34	0	May 19, 2023	_	-	-	-	-	-	-	310
	2	May 19, 2023	-	-	-	-	-	-	-	ND
	4	May 19, 2023	ND	ND	ND	ND	ND	ND	ND	61
BH23-35	0	May 19, 2023	-	-	-	-	-	-	-	450
	2	May 19, 2023	_	-	-	-	-	-	-	78
	4	May 19, 2023	_	-	-	-	-	-	-	71
BH23-36	0	May 19, 2023	_	-	-	-	-	-	-	730
	2	May 19, 2023	_	-	-	-	-	-	-	ND
	4	May 19, 2023	ND	ND	ND	ND	ND	ND	ND	ND
BH23-37	0	May 19, 2023	_	-	-	-	-	-	-	91
	2	May 19, 2023	_	-	-	-	-	-	-	78
	4	May 19, 2023	-	_	-	_	-	-	-	280
BH23-38	0	May 19, 2023	_	_	-	_	-	-	-	3,600
220 00	2	May 19, 2023	_	_	-	_	-	-	_	140
	4	May 19, 2023	ND	ND	ND	ND	ND	ND	ND	430
BH23-39	0	May 19, 2023	-	-	-	-	-	-	-	320
51123 33	2	May 19, 2023	-	-	-	-	-	-	-	ND
	4	May 19, 2023	_	-	_	_	_	-	-	ND
BH23-40	0	May 20, 2023	_	-	-	-	-	-	-	110
B1123 40	2	May 20, 2023	_	_	_	_	_	_	_	260
	4	May 20, 2023	ND	ND	ND	ND	ND	ND	ND	690
BH23-41	0	May 20, 2023	-	IND	IND	IND	IND	-	IND	76
DI123-41	2	May 20, 2023	_	_	_	_	_	-		66
	4	May 20, 2023			_			_	_	120
BH23-42	0	May 20, 2023	_	_	_	_	_	_	_	190
B1123-42	2	May 20, 2023	-	_	_	_	-	-	-	89
	4	May 20, 2023	ND	ND	ND	ND	ND	ND	ND	190
BH23-43	0	May 20, 2023	-	-	-	-	-	-	-	1,000
B1123-43	2	May 20, 2023	_	-	-	-	-	-	-	980
	4	May 20, 2023	_	_	_	_	_	_	_	970
BH23-44	0	May 20, 2023	-	-	_	-	_	_	-	86
BH23-44	2	May 20, 2023		-	-	_	-	-	-	660
	4	May 20, 2023	ND	ND	ND	ND	ND	ND	ND	1,500
BH23-45	0	May 20, 2023				טאו			טוו	ND
טוזעס-45		May 20, 2023	-	-	-	-	-	-	 	ND ND
+	2	May 20, 2023	-	-	-	-	-	-	-	
DH33 46	4		-	-	-	-	-	-	-	ND 130
BH23-46	0	May 20, 2023	-	-	-	-	-	-	-	130
\longrightarrow	2	May 20, 2023	- ND	-	-	-	-	-	-	ND ND
DU22 47	4	May 20, 2023	ND	ND	ND	ND	ND	ND	ND	ND 80
BH23-47	0	May 20, 2023	-	-	-	-	-	-	-	89 ND
\longrightarrow	2	May 20, 2023	-	-	-	-	-	-	-	ND 400
D1122 12	4	May 20, 2023	-	-	-	-	-	-	-	480
	0	May 20, 2023	-	-	-	-	-	-	-	ND
BH23-48	2	May 20, 2023	-	-	-	-	-	-	-	ND
BH23-48		NA 20 2022								
	4	May 20, 2023	ND	ND	ND	ND	ND	ND	ND	ND
BH23-49		May 20, 2023 May 20, 2023 May 20, 2023	ND - -	- -	ND - -	- -	- -	ND - -	ND - -	360 ND



Received by OC	D- 9/8/2023	10-41-45 AM								Page 83 of
BH23-50	0	May 27, 2023	-	-	-	-	-	-	-	11,000
BH23-51	0	May 27, 2023	-	-	-	-	-	-	-	12,000
BH23-52	0	May 27, 2023	-	-	-	-	-	-	-	17,000
BH23-53	0	May 27, 2023	-	-	-	-	-	-	-	34,000
BH23-54	0	May 27, 2023	_	_	-	-	-	-	-	15,000
BH23-55	0	June 3, 2023	_	_	_	_	_	_	_	480
	2	June 3, 2023	_	_	_	_	_	_	_	ND
BH23-56	0	June 3, 2023	_	_	_	_	_	_	_	11,000
	2	June 3, 2023	_	_	_	_	_	_	_	110
BH23-57	0	June 3, 2023	_	_	_	_	_	_	_	1,000
	2	June 3, 2023	_	_	_	_	_	_	_	130
BH23-58	0	June 3, 2023	_	_	_	_	_	_	_	ND
	2	June 3, 2023	_	_	_	_	_	_	_	1,100
BH23-59	0	June 3, 2023	_	_	_	_	_	_	_	76
	2	June 3, 2023	_	_	_	_	_	_	_	98
BH23-60	0	June 3, 2023	_	_	_	_	_	_	_	100
BH23-61	0	June 3, 2023	_	_	_	_	_	_	_	230
BH23-62	0	June 3, 2023	_	_	_	_	_	_	_	9,200
BH23-63	0	June 3, 2023	_	_	_	_	_	_	_	11,000
BH23-64	0	June 3, 2023	_	_	_	_	_	_	_	8,300
BH23-65	0	June 3, 2023	_	_	_	_	_	_	_	12,000
BH23-66	0	June 3, 2023	_	_	_	_	_	_	_	1,700
BH23-67	0	June 3, 2023	_	_	_	_	_	_	_	13,000
BH23-68	0	June 3, 2023	_	_	_	_	_	_	_	11,000
BH23-69	0	June 9, 2023	-	-	-	_	-	-	-	290
BH23-70	0	June 9, 2023	-	_	_	_	_	_	_	200
BH23-71	0	June 9, 2023	ND	ND	ND	1600	2200	1600	3800	3,100
BH23-72	0	June 9, 2023	-	-	-	-	-	-	-	4,400
BH23-73	0	June 9, 2023		_	_		_	_	_	2,800
BH23-74	0	June 9, 2023	ND	ND	ND	540	1500	540	2040	3,800
TP23-01	2	May 27, 2023	-	-	-	-	-	-	-	ND
11 23 01	4	May 27, 2023	ND	ND	ND	ND	ND	ND	ND	84
TP23-02	2	May 27, 2023	-	-	-	-	-	-	-	120
11 23 32	4	May 27, 2023	ND	ND	ND	ND	ND	ND	ND	380
TP23-03	2	May 27, 2023	-	-	-	-	-	-	-	ND
11 23 33	4	May 27, 2023	ND	ND	ND	ND	ND	ND	ND	ND
TP23-04	2	May 27, 2023	-	-	-	-	-	-	-	ND
	4	May 27, 2023	ND	ND	ND	ND	ND	ND	ND	ND
TP23-05	2	May 27, 2023	ND	ND	ND	ND	ND	ND	ND	ND
	4	May 27, 2023	ND	ND	ND	ND	ND	ND	ND	230
TP23-101	0	June 30, 2023	ND	ND	ND	ND	ND	ND	ND	ND
	2	June 30, 2023	ND	ND	ND	ND	ND	ND	ND	ND
TP23-102	0	June 30, 2023	ND	ND	ND	ND	ND	ND	ND	ND
	2	June 30, 2023	ND	ND	ND	ND	ND	ND	ND	ND
	4	June 30, 2023	ND	ND	ND	ND	ND	ND	ND	ND
	5	June 30, 2023	ND	ND	ND	ND	ND	ND	ND	87
TP23-103	0	June 30, 2023	ND	ND	ND	ND	ND	ND	ND	ND
	2	June 30, 2023	ND	ND	ND	ND	ND	ND	ND	ND
	4	June 30, 2023	ND	ND	ND	ND	ND	ND	ND	ND
T T		June 20, 2022								

[&]quot;ND" Not Detected at the Reporting Limit

Bold and grey shaded indicates exceedance outside of NMOCD Closure Criteria (on-pad)

Bold and green shaded indicates exceedance outside of NMOCD Reclamation Criteria (off-pad)

ND

ND

ND

ND

ND

ND

ND

June 30, 2023



ND

[&]quot;-" indicates not analyzed/assessed



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

Michael Moffitt Vertex Resources Services, Inc. 3101 Boyd Drive Carlsbad, NM 88220 TEL: (505) 506-0040

FAX:

RE: Dayton Recycle Release OrderNo.: 2306008

Dear Michael Moffitt:

Hall Environmental Analysis Laboratory received 21 sample(s) on 6/1/2023 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

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

Sincerely,

Andy Freeman

Laboratory Manager

Indes

4901 Hawkins NE

Albuquerque, NM 87109

Date Reported: 6/19/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: TP23-01 2'

Project: Dayton Recycle Release **Collection Date:** 5/26/2023 9:30:00 AM 2306008-001 Lab ID: Matrix: SOIL Received Date: 6/1/2023 7:30:00 AM

Analyses	Result	RL Qua	al Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS					Analyst: JTT
Chloride	ND	60	mg/Kg	20	6/2/2023 1:11:35 PM

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

Qualifiers:

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

Page 1 of 19

Date Reported: 6/19/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.

Client Sample ID: TP23-01 4'

 Project:
 Dayton Recycle Release
 Collection Date: 5/26/2023 9:45:00 AM

 Lab ID:
 2306008-002
 Matrix: SOIL
 Received Date: 6/1/2023 7:30:00 AM

Analyses	Result	RL Qua	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS				Analyst: DGH
Diesel Range Organics (DRO)	ND	9.5	mg/Kg	1	6/7/2023 4:24:36 AM
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	6/7/2023 4:24:36 AM
Surr: DNOP	70.0	69-147	%Rec	1	6/7/2023 4:24:36 AM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	6/6/2023 8:17:38 PM
Surr: BFB	67.6	15-244	%Rec	1	6/6/2023 8:17:38 PM
EPA METHOD 8021B: VOLATILES					Analyst: JJP
Benzene	ND	0.025	mg/Kg	1	6/6/2023 8:17:38 PM
Toluene	ND	0.049	mg/Kg	1	6/6/2023 8:17:38 PM
Ethylbenzene	ND	0.049	mg/Kg	1	6/6/2023 8:17:38 PM
Xylenes, Total	ND	0.099	mg/Kg	1	6/6/2023 8:17:38 PM
Surr: 4-Bromofluorobenzene	83.4	39.1-146	%Rec	1	6/6/2023 8:17:38 PM
EPA METHOD 300.0: ANIONS					Analyst: JTT
Chloride	84	60	mg/Kg	20	6/2/2023 2:00:05 PM

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

Qualifiers:

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

Page 2 of 19

CLIENT: Vertex Resources Services, Inc.

Analytical Report

Lab Order 2306008

Date Reported: 6/19/2023

Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: TP23-02 2'

Project: Dayton Recycle Release **Collection Date:** 5/26/2023 10:15:00 AM

2306008-004 Lab ID: Matrix: SOIL Received Date: 6/1/2023 7:30:00 AM

Analyses	Result	RL Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS					Analyst: JTT
Chloride	120	60	mg/Kg	20	6/2/2023 2:37:06 PM

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

Qualifiers:

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

Page 3 of 19

Date Reported: 6/19/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.

Client Sample ID: TP23-02 4'

 Project:
 Dayton Recycle Release
 Collection Date: 5/26/2023 10:30:00 AM

 Lab ID:
 2306008-005
 Matrix: SOIL
 Received Date: 6/1/2023 7:30:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE OF	RGANICS				Analyst: DGH
Diesel Range Organics (DRO)	ND	9.4	mg/Kg	1	6/7/2023 4:49:37 PM
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	6/7/2023 4:49:37 PM
Surr: DNOP	76.5	69-147	%Rec	1	6/7/2023 4:49:37 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	6/6/2023 9:27:32 PM
Surr: BFB	66.3	15-244	%Rec	1	6/6/2023 9:27:32 PM
EPA METHOD 8021B: VOLATILES					Analyst: JJP
Benzene	ND	0.024	mg/Kg	1	6/6/2023 9:27:32 PM
Toluene	ND	0.047	mg/Kg	1	6/6/2023 9:27:32 PM
Ethylbenzene	ND	0.047	mg/Kg	1	6/6/2023 9:27:32 PM
Xylenes, Total	ND	0.094	mg/Kg	1	6/6/2023 9:27:32 PM
Surr: 4-Bromofluorobenzene	83.8	39.1-146	%Rec	1	6/6/2023 9:27:32 PM
EPA METHOD 300.0: ANIONS					Analyst: JTT
Chloride	380	60	mg/Kg	20	6/2/2023 3:14:07 PM

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

Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

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

B Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Page 4 of 19

CLIENT: Vertex Resources Services, Inc.

EPA METHOD 300.0: ANIONS

Analytical Report

Lab Order **2306008**

Date Reported: 6/19/2023

Analyst: JTT

Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: TP23-03 2'

 Project:
 Dayton Recycle Release
 Collection Date: 5/26/2023 11:00:00 AM

 Lab ID:
 2306008-007
 Matrix: SOIL
 Received Date: 6/1/2023 7:30:00 AM

Analyses Result RL Qual Units DF Date Analyzed

Chloride ND 60 mg/Kg 20 6/2/2023 3:26:27 PM

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

Qualifiers:

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

Page 5 of 19

Date Reported: 6/19/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.

Client Sample ID: TP23-03 4'

 Project:
 Dayton Recycle Release
 Collection Date: 5/26/2023 11:15:00 AM

 Lab ID:
 2306008-008
 Matrix: SOIL
 Received Date: 6/1/2023 7:30:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst: DGH
Diesel Range Organics (DRO)	ND	9.5	mg/Kg	1	6/7/2023 5:13:26 PM
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	6/7/2023 5:13:26 PM
Surr: DNOP	81.3	69-147	%Rec	1	6/7/2023 5:13:26 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: JJP
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	6/6/2023 10:37:36 PM
Surr: BFB	68.0	15-244	%Rec	1	6/6/2023 10:37:36 PM
EPA METHOD 8021B: VOLATILES					Analyst: JJP
Benzene	ND	0.025	mg/Kg	1	6/6/2023 10:37:36 PM
Toluene	ND	0.050	mg/Kg	1	6/6/2023 10:37:36 PM
Ethylbenzene	ND	0.050	mg/Kg	1	6/6/2023 10:37:36 PM
Xylenes, Total	ND	0.10	mg/Kg	1	6/6/2023 10:37:36 PM
Surr: 4-Bromofluorobenzene	83.4	39.1-146	%Rec	1	6/6/2023 10:37:36 PM
EPA METHOD 300.0: ANIONS					Analyst: JTT
Chloride	ND	60	mg/Kg	20	6/2/2023 3:38:48 PM

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

Qualifiers:

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

Page 6 of 19

Date Reported: 6/19/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.

Client Sample ID: TP23-04 2'

 Project:
 Dayton Recycle Release
 Collection Date: 5/26/2023 11:45:00 AM

 Lab ID:
 2306008-010
 Matrix: SOIL
 Received Date: 6/1/2023 7:30:00 AM

 Analyses
 Result
 RL
 Qual
 Units
 DF
 Date Analyzed

 EPA METHOD 300.0: ANIONS
 Analyst: JTT

 Chloride
 ND
 60
 mg/Kg
 20
 6/2/2023 3:51:09 PM

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

Qualifiers:

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

ple pH Not In Range
Orting Limit Page 7 of 19

Date Reported: 6/19/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.

Client Sample ID: TP23-04 4'

 Project:
 Dayton Recycle Release
 Collection Date: 5/26/2023 1:00:00 PM

 Lab ID:
 2306008-011
 Matrix: SOIL
 Received Date: 6/1/2023 7:30:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE (ORGANICS				Analyst: DGH
Diesel Range Organics (DRO)	ND	9.7	mg/Kg	1	6/7/2023 5:37:13 PM
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	6/7/2023 5:37:13 PM
Surr: DNOP	90.3	69-147	%Rec	1	6/7/2023 5:37:13 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	6/6/2023 11:00:57 PM
Surr: BFB	70.6	15-244	%Rec	1	6/6/2023 11:00:57 PM
EPA METHOD 8021B: VOLATILES					Analyst: JJP
Benzene	ND	0.024	mg/Kg	1	6/6/2023 11:00:57 PM
Toluene	ND	0.049	mg/Kg	1	6/6/2023 11:00:57 PM
Ethylbenzene	ND	0.049	mg/Kg	1	6/6/2023 11:00:57 PM
Xylenes, Total	ND	0.097	mg/Kg	1	6/6/2023 11:00:57 PM
Surr: 4-Bromofluorobenzene	84.5	39.1-146	%Rec	1	6/6/2023 11:00:57 PM
EPA METHOD 300.0: ANIONS					Analyst: JTT
Chloride	ND	59	mg/Kg	20	6/2/2023 4:03:30 PM

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

Qualifiers:

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

porting Limit Page 8 of 19

Date Reported: 6/19/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: TP23-05 2'

 Project:
 Dayton Recycle Release
 Collection Date: 5/26/2023 1:30:00 PM

 Lab ID:
 2306008-013
 Matrix: SOIL
 Received Date: 6/1/2023 7:30:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS				Analyst: DGH
Diesel Range Organics (DRO)	ND	10	mg/Kg	1	6/7/2023 6:01:00 PM
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	6/7/2023 6:01:00 PM
Surr: DNOP	91.2	69-147	%Rec	1	6/7/2023 6:01:00 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	6/6/2023 11:24:15 PM
Surr: BFB	62.3	15-244	%Rec	1	6/6/2023 11:24:15 PM
EPA METHOD 8021B: VOLATILES					Analyst: JJP
Benzene	ND	0.024	mg/Kg	1	6/6/2023 11:24:15 PM
Toluene	ND	0.049	mg/Kg	1	6/6/2023 11:24:15 PM
Ethylbenzene	ND	0.049	mg/Kg	1	6/6/2023 11:24:15 PM
Xylenes, Total	ND	0.097	mg/Kg	1	6/6/2023 11:24:15 PM
Surr: 4-Bromofluorobenzene	83.1	39.1-146	%Rec	1	6/6/2023 11:24:15 PM
EPA METHOD 300.0: ANIONS					Analyst: JTT
Chloride	ND	60	mg/Kg	20	6/2/2023 4:15:50 PM

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

Qualifiers:

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

eporting Limit Page 9 of 19

Date Reported: 6/19/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.

Client Sample ID: TP23-05 4'

 Project:
 Dayton Recycle Release
 Collection Date: 5/26/2023 1:45:00 PM

 Lab ID:
 2306008-014
 Matrix: SOIL
 Received Date: 6/1/2023 7:30:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS				Analyst: DGH
Diesel Range Organics (DRO)	ND	9.1	mg/Kg	1	6/7/2023 6:24:52 PM
Motor Oil Range Organics (MRO)	ND	45	mg/Kg	1	6/7/2023 6:24:52 PM
Surr: DNOP	93.0	69-147	%Rec	1	6/7/2023 6:24:52 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	6/6/2023 11:47:38 PM
Surr: BFB	71.0	15-244	%Rec	1	6/6/2023 11:47:38 PM
EPA METHOD 8021B: VOLATILES					Analyst: JJP
Benzene	ND	0.024	mg/Kg	1	6/6/2023 11:47:38 PM
Toluene	ND	0.048	mg/Kg	1	6/6/2023 11:47:38 PM
Ethylbenzene	ND	0.048	mg/Kg	1	6/6/2023 11:47:38 PM
Xylenes, Total	ND	0.096	mg/Kg	1	6/6/2023 11:47:38 PM
Surr: 4-Bromofluorobenzene	84.6	39.1-146	%Rec	1	6/6/2023 11:47:38 PM
EPA METHOD 300.0: ANIONS					Analyst: JTT
Chloride	230	60	mg/Kg	20	6/2/2023 4:28:11 PM

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

Qualifiers:

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

Page 10 of 19

Date Reported: 6/19/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.

Client Sample ID: BH23-50 0'

Project: Dayton Recycle Release Collection Date: 5/27/2023 10:00:00 AM

Lab ID: 2306008-017 Matrix: SOIL Received Date: 6/1/2023 7:30:00 AM

 Analyses
 Result
 RL
 Qual
 Units
 DF
 Date Analyzed

 EPA METHOD 300.0: ANIONS
 Analyst: SNS

 Chloride
 11000
 600
 mg/Kg
 200
 6/5/2023 6:42:31 PM

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

Qualifiers:

* Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

QL Practical Quanitative Limit

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

B Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Page 11 of 19

Date Reported: 6/19/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.

Client Sample ID: BH23-51 0'

 Project:
 Dayton Recycle Release
 Collection Date: 5/27/2023 10:15:00 AM

 Lab ID:
 2306008-018
 Matrix: SOIL
 Received Date: 6/1/2023 7:30:00 AM

 Analyses
 Result
 RL Qual Units
 DF
 Date Analyzed

 EPA METHOD 300.0: ANIONS
 Analyst: SNS

 Chloride
 12000
 600
 mg/Kg
 200
 6/5/2023 6:54:56 PM

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

Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

QL Practical Quanitative Limit

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

B Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Page 12 of 19

Date Reported: 6/19/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: BH23-52 0'

Project: Dayton Recycle Release **Collection Date:** 5/27/2023 10:30:00 AM 2306008-019 Lab ID: Matrix: SOIL Received Date: 6/1/2023 7:30:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS					Analyst: SNS
Chloride	17000	1500	mg/Kg	500	6/5/2023 7:19:45 PM

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

Qualifiers:

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

Page 13 of 19

Date Reported: 6/19/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.

Client Sample ID: BH23-53 0'

 Project:
 Dayton Recycle Release
 Collection Date: 5/27/2023 10:45:00 AM

 Lab ID:
 2306008-020
 Matrix: SOIL
 Received Date: 6/1/2023 7:30:00 AM

 Analyses
 Result
 RL Qual Units
 DF
 Date Analyzed

 EPA METHOD 300.0: ANIONS
 Analyst: SNS

 Chloride
 34000
 1500
 mg/Kg
 500
 6/5/2023 7:32:09 PM

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

Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

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

B Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Page 14 of 19

Date Reported: 6/19/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.

Client Sample ID: BH23-54 0'

 Project:
 Dayton Recycle Release
 Collection Date: 5/27/2023 11:00:00 AM

 Lab ID:
 2306008-021
 Matrix: SOIL
 Received Date: 6/1/2023 7:30:00 AM

 Analyses
 Result
 RL Qual Units
 DF
 Date Analyzed

 EPA METHOD 300.0: ANIONS
 Analyst: SNS

 Chloride
 15000
 590
 mg/Kg
 200
 6/5/2023 7:07:21 PM

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

Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

QL Practical Quanitative Limit

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

B Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Page 15 of 19

Hall Environmental Analysis Laboratory, Inc.

WO#: **2306008**

19-Jun-23

Client: Vertex Resources Services, Inc.

Project: Dayton Recycle Release

Sample ID: MB-75314 SampType: MBLK TestCode: EPA Method 300.0: Anions

Client ID: PBS Batch ID: 75314 RunNo: 97185

Prep Date: 6/2/2023 Analysis Date: 6/2/2023 SeqNo: 3529542 Units: mg/Kg

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

Chloride ND 1.5

Sample ID: LCS-75314 SampType: LCS TestCode: EPA Method 300.0: Anions

Client ID: LCSS Batch ID: 75314 RunNo: 97185

Prep Date: 6/2/2023 Analysis Date: 6/2/2023 SeqNo: 3529543 Units: mg/Kg

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

Chloride 14 1.5 15.00 0 90.0 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 Quanitative Limit

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

B Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Page 16 of 19

Hall Environmental Analysis Laboratory, Inc.

Result

38

3.8

PQL

9.4

SPK value

46.95

4.695

WO#: 2306008

19-Jun-23

Client: Vertex Resources Services, Inc.

Project: Dayton Recycle Release

Sample ID: LCS-75369	SampType: L	.cs	TestCode:	EPA Method	8015M/D: Diesel R	Range Organics	
Client ID: LCSS	Batch ID: 7	'5369	RunNo:	97237			
Prep Date: 6/5/2023	Analysis Date:	6/6/2023	SeqNo:	3531619	Units: mg/Kg		
Analyte	Result PQL	. SPK value	SPK Ref Val %RE	C LowLimit	HighLimit %F	RPD RPDLimit	Qual
Diesel Range Organics (DRO)	47 10	0 50.00	0 94	2 61.9	130		
Surr: DNOP	4.9	5.000	97	4 69	147		
Sample ID: MB-75369	SampType: N	//BLK	TestCode:	EPA Method	8015M/D: Diesel R	Range Organics	
Client ID: PBS	Batch ID: 7	75369	RunNo:	97237			
Prep Date: 6/5/2023	Analysis Date: (6/6/2023	SeqNo:	3531624	Units: mg/Kg		
Analyte	Result PQL	. SPK value	SPK Ref Val %RE	C LowLimit	HighLimit %F	RPD RPDLimit	Qual
Diesel Range Organics (DRO)	ND 10	0					
Motor Oil Range Organics (MRO)	ND 50	0					
Surr: DNOP	9.2	10.00	91	8 69	147		
Sample ID: 2306008-002AMS	SampType: N	//S	TestCode:	EPA Method	8015M/D: Diesel R	Range Organics	
Client ID: TP23-01 4'	Batch ID: 7	75369	RunNo:	97273			
Prep Date: 6/5/2023	Analysis Date:	6/8/2023	SeqNo:	3533365	Units: mg/Kg		

Sample ID: 2306008-002AM	SD Samp1	SampType: MSD			TestCode: EPA Method 8015M/D: Diesel Range Organics					
Client ID: TP23-01 4'	Batcl	h ID: 75 3	369	F	RunNo: 97	7273				
Prep Date: 6/5/2023	Analysis [Date: 6/8	8/2023	5	SeqNo: 3	533367	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	41	9.6	47.94	0	85.6	54.2	135	7.13	29.2	
Surr DNOP	4 1		4 794		85.6	69	147	0	0	

SPK Ref Val

0

%REC

81.4

79.9

LowLimit

54.2

69

HighLimit

135

147

%RPD

RPDLimit

Qual

Qualifiers:

Analyte

Surr: DNOP

Diesel Range Organics (DRO)

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of standard limits. If undiluted results may be estimated.
- Analyte detected in the associated Method Blank
- Above Quantitation Range/Estimated Value
- Analyte detected below quantitation limits
- Sample pH Not In Range
- RLReporting Limit

Page 17 of 19

Hall Environmental Analysis Laboratory, Inc.

WO#: **2306008**

19-Jun-23

Client: Vertex Resources Services, Inc.

Project: Dayton Recycle Release

Sample ID: Ics-75363	SampT	SampType: LCS TestCode: EPA Method					8015D: Gaso	line Range		
Client ID: LCSS	Batch	n ID: 75 3	363	RunNo: 97227						
Prep Date: 6/5/2023	Analysis D	Analysis Date: 6/6/2023			SeqNo: 3531884 Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	23	5.0	25.00	0	90.7	70	130	-		
Surr: BFB	4800		1000		476	15	244			S
Sample ID: mb-75363	SampT	ype: MB	BLK	Tes	tCode: El	PA Method	8015D: Gaso	line Range		
Sample ID: mb-75363 Client ID: PBS	•	ype: MB			tCode: Ef RunNo: 9 7		8015D: Gaso	line Range		
,	•	n ID: 75 3		F		7227	8015D: Gaso Units: mg/K	J		
Client ID: PBS	Batch	n ID: 75 3	363	F	RunNo: 97	7227		J	RPDLimit	Qual
Client ID: PBS Prep Date: 6/5/2023	Batch Analysis D	n ID: 753 Pate: 6/ 6	363 6/2023	F	RunNo: 97 SeqNo: 35	7227 531885	Units: mg/K	g		Qual

Sample ID: 2306008-002ams	SampT	ype: MS	i	Tes	tCode: EF	PA Method	8015D: Gasol	line Range		
Client ID: TP23-01 4'	Batch	n ID: 75 3	863	F	RunNo: 97	7227				
Prep Date: 6/5/2023	Analysis D	ate: 6/ 6	6/2023	9	SeqNo: 3	31887	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	26	4.9	24.65	0	104	70	130			
Surr: BFB	5400		986.2		543	15	244			S

Sample ID: 2306008-00	2amsd	Samp1	SampType: MSD Te				estCode: EPA Method 8015D: Gasoline Range						
Client ID: TP23-01 4'		Batcl	h ID: 75 :	363	F	RunNo: 97	7227						
Prep Date: 6/5/2023		Analysis D	Date: 6/	6/2023	5	SeqNo: 3	531888	Units: mg/K	g				
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual		
Gasoline Range Organics (GR	RO)	23	4.9	24.63	0	94.5	70	130	9.65	20			
Surr: BFB		4900		985.2		497	15	244	0	0	S		

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 18 of 19

Hall Environmental Analysis Laboratory, Inc.

WO#: **2306008**

19-Jun-23

Client: Vertex Resources Services, Inc.

Project: Dayton Recycle Release

Sample ID: LCS-75363	Samp	Гуре: LC :	s	Tes	tCode: EF	PA Method	8021B: Volati	les			
Client ID: LCSS	Batcl	h ID: 75 3	863	F	RunNo: 97	7227					
Prep Date: 6/5/2023	Analysis [Date: 6/6	6/2023	SeqNo: 3531911			Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Benzene	0.76	0.025	1.000	0	75.5	70	130				
Toluene	0.77	0.050	1.000	0	77.3	70	130				
Ethylbenzene	0.77	0.050	1.000	0	76.9	70	130				
Xylenes, Total	2.3	0.10	3.000	0	78.0	70	130				
Surr: 4-Bromofluorobenzene	0.87		1.000		86.6	39.1	146				

Sample ID: mb-75363	SampT	уре: МЕ	BLK	Tes	tCode: EF	PA Method				
Client ID: PBS	Batch	n ID: 75 3	363	RunNo: 97227						
Prep Date: 6/5/2023	Analysis D	Date: 6/0	6/2023	9	SeqNo: 3	531912	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.84		1.000		83.8	39.1	146			

Sample ID: 2306008-005ams	Samp ¹	Гуре: МЅ	;	Tes	tCode: El	PA Method	d 8021B: Volatiles				
Client ID: TP23-02 4'	Batc	h ID: 75 3	363	F	RunNo: 9	7227					
Prep Date: 6/5/2023	Analysis [Date: 6/ 0	6/2023	SeqNo: 3531915			Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Benzene	0.79	0.024	0.9461	0	83.8	70	130				
Toluene	0.81	0.047	0.9461	0.01646	84.2	70	130				
Ethylbenzene	0.83	0.047	0.9461	0	87.5	70	130				
Xylenes, Total	2.5	0.095	2.838	0.02700	86.6	70	130				
Surr: 4-Bromofluorobenzene	0.83		0.9461		88.0	39.1	146				

Sample ID: 2306008-005amsd	SampT	SampType: MSD TestCode: EPA Method					8021B: Volatiles			
Client ID: TP23-02 4'	Batch	ID: 753	63	F	7227					
Prep Date: 6/5/2023	Analysis D	ate: 6/6	6/2023	9	SeqNo: 35	531916	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.75	0.023	0.9355	0	79.7	70	130	6.25	20	
Toluene	0.77	0.047	0.9355	0.01646	81.0	70	130	4.91	20	
Ethylbenzene	0.77	0.047	0.9355	0	82.5	70	130	6.94	20	
Xylenes, Total	2.3	0.094	2.806	0.02700	82.2	70	130	6.25	20	
Surr: 4-Bromofluorobenzene	0.79		0.9355		84.8	39.1	146	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 Quanitative Limit
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 19 of 19

Hall Environmental Analysis Laboratory 4901 Hawkins NE

Albuquerque. NM 87109 TEL: 505-345-3975 FAX: 505-345-4107

Sample Log-In Check List

Released to Imaging: 3/18/2024 3:12:53 PM

LABORATO		Website: www.h	allenvironmentai	l.com	
	ex Resources rices, Inc.	Work Order Number	: 2306008		RcptNo: 1
Received By: Tra	cy Casarrubias	6/1/2023 7:30:00 AM			
Completed By: Tra	cy Casarrubias	6/1/2023 7:58:28 AM			
Reviewed By:	6.1.23				
Chain of Custody					
1. Is Chain of Custody	y complete?		Yes 🗌	No 🗹	Not Present
2. How was the samp	le delivered?		Courier		
<u>Log In</u>				_	_
3. Was an attempt ma	ade to cool the samples?	?	Yes 🗹	No 🗌	na 🗌
4. Were all samples re	eceived at a temperature	of >0° C to 6.0°C	Yes 🗹	No 🗌	na 🗆
5. Sample(s) in prope	r container(s)?		Yes 🗹	No 🗌	
6. Sufficient sample vo	olume for indicated test(s)?	Yes 🗹	No 🗌	
7. Are samples (excep	t VOA and ONG) prope	rly preserved?	Yes 🗹	No 🗌	
8. Was preservative a	dded 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 o	ontainers received broke	en?	Yes	No 🗹	# of preserved
11. Does paperwork ma	atch bottle labels?		Yes 🗹	No 🗆	bottles checked for pH: (<2 or >12 unless note
	tly identified on Chain of	Custody?	Yes 🗹	No 🗆	Adjusted?
. –. [3] Is it clear what anal		,	Yes 🗸	No 🗌	
14. Were all holding tim	es able to be met?		Yes 🗸	No 🗆	Checked by:
	er for authorization.)				mp 6/1/23
Special Handling (15. Was client notified	if applicable) of all discrepancies with	this order?	Yes 🗌	No 🗌	NA 🗹
Person Notific	eu.	Date:		Thomas [T-	□ In Domon
By Whom:	1	Via: [eMail F	Phone T Fax	In Person
Regarding:					A A STATE OF THE S
Client Instruc	lions. Phone number,	mailing address and Ema	il are missing o	n COC- IMC 6/	/1/23
16. Additional remarks	::				

17. Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	4.9	Good	Yes	Morty		
2	5.1	Good	Yes	Morty		

HALL ENVIRONMENTAL	ANALYSIS LABORATORY	www.hallenvironmental.com	4901 Hawkins NE - Albuquerque, NM 87109	Tel. 505-345-3975 Fax 505-345-4107	ysis Kedu	(0)	oo⁴' SIWS CB.€	OЯ() ((((((((((((((((((0 / 0 808/ (1.40 S8 n (A	3RC (0 0)	ticid thoo thoo thoo thoo Met Met (Ad	Se Nei Nei Nei	EX / H:80 (I) H:80 (I) H:80 (I) H:90 (I	11P	×		× ×	×	× ×	× × ×	×:	XX		× •	× :	× :	Kemarks: Arase hold all 6 sample as denoted		4+ 0: Please CC Mork Ritchin	This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report. $ $ 0 $\mathcal L$
Turn-Around Time:	Standard Z Rush S Day		Uayton Reyall Refleast	Project #: 72F_ 72H &	,	Project Manager:	HEROM IST.			A	•	7.1.1	Container Preservative HEAL No.	# Type 23(100		500	500	000	0)00	F00	800	900	010	110/	1001	MMM 73/33	Received by: Via: Caunt Date Time		
Chain-of-Custody Record	Olient: /Silve: K.		1	on €,'(e	Phone #:	email or Fax#:	QA/QC Package:	☐ Standard ☐ Level 4 (Full Validation)	Accreditation: Az Compliance	□ NELAC □ Other	□ EDD (Type)			Nate Time Matrix Sample Name	73 9:30	- 1 TP23-01		19.15 TP3- NO	TP22-02		11:00 1723-03		H 11:30 1723-03 6	11:43 7723 04	13:00 1, TP23-04 4	 	Date: 5-20-23	Time: Relinquished by:	5/11/28 Pap (1/1/1/1/	f necessary, s

Received by OCD: 9/8/2023 10:41:45 AM

HAII FNVTRONMENTAL	ANALYSIS LABORATORY	www.hallenvironmental.com	4901 Hawkins NE - Albuquerque, NM 87109	Tel. 505-345-3975 Fax 505-345-4107	Analysis Request	†OS	DO ^{¢†} &	(1.4(1)) (1.4(1)) (1.4(1)) (1.4(1)) (1.4(1))	ves.	ticic 831 Met (Ad	31 Pes B (Me Hs by F, Br F, Br F, CVC	808 PA PS (C) 828 128	×	***************************************	X X	×	7.	>	>>		X 755 FANC:			ld all 6' and 8' samples denoted with	I O Y THE	CL Mark Ritchie
			I _4				208) s'			178 9TN	V / XΞ	_	×	х У	メメ	X								Hold	_	23 Tise CL Mark Ritchie
Turn-Around Time:	©Standard & Rush 5 Dawl	Project Name:	Dauton Recycle Relegge		23 E - 02248	Project Manager:	Nike Moffitt	1. 2ac	Unice: Tres INO marty	# 01 COOlers. 7	10.1 75.4 -C	# Type	12	014	015	010	F10	310	019	020	V 021			MMMMMM 5/81/33	Received by: Via: County Date Time	mm (1/1/13 +1:30
Chain-of-Custody Record	back		£.1e				□ Level 4 (Full Validation)					Sample Name	TP23-05 2-	TP23-05 4	TP23-05 6	TP23-05 8"	BH23-50 Or	BH23-51 0'	BH23-52 0"	BH23-53 0	BH23-54 0'			Zach Englobert		The same of the sa
of-Custo	Vertex LSHVerback		J 40					⊆	□ Other			Matrix Sam	1 102	162	TP	707	BHS	18 H	H8 /	H8 /	H8 /	ر			Relinquished by:	CHANA
Chain-	Client: Yerte		Mailing Address:		Phone #:	email or Fax#:	QA/QC Package:] ;;	- 1.			Date Time	5-26-73 \$3:30	5-56-23 13:45	7 5-26-73 14:00	7-26-23/4:15	60:01 62-62-5	5-22-23 10:15	5-2203 10:30	St. 01 5222-5	5-22-23 11:00))		S32-13 17:0 3 9 Minges	Date: Time:	206) 88/18/C

Hecessary, 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.

1.49



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

June 01, 2023

Michael Novak Vertex Resources Services, Inc. 3101 Boyd Drive Carlsbad, NM 88220 TEL: (505) 506-0040

FAX:

RE: Dayton Recycle Release OrderNo.: 2305B56

Dear Michael Novak:

Hall Environmental Analysis Laboratory received 18 sample(s) on 5/23/2023 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

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

Sincerely,

Andy Freeman

Laboratory Manager

Indes

4901 Hawkins NE

Albuquerque, NM 87109

Analytical Report
Lab Order 2305B56

Date Reported: 6/1/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.

Client Sample ID: BH23-34 0'

Project: Dayton Recycle Release Collection Date: 5/19/2023 9:00:00 AM

Lab ID: 2305B56-001 Matrix: SOIL Received Date: 5/23/2023 7:30:00 AM

 Analyses
 Result
 RL
 Qual
 Units
 DF
 Date Analyzed

 EPA METHOD 300.0: ANIONS
 Analyst: CAS

 Chloride
 310
 60
 mg/Kg
 20
 5/25/2023 1:55:40 PM

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

Qualifiers:

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

Page 1 of 22

Date Reported: 6/1/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.

Client Sample ID: BH23-34 2'

Project: Dayton Recycle Release Collection Date: 5/19/2023 9:05:00 AM

Lab ID: 2305B56-002 Matrix: SOIL Received Date: 5/23/2023 7:30:00 AM

 Analyses
 Result
 RL
 Qual
 Units
 DF
 Date Analyzed

 EPA METHOD 300.0: ANIONS
 Analyst: CAS

 Chloride
 ND
 60
 mg/Kg
 20
 5/25/2023 2:08:00 PM

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

Qualifiers:

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

Not in Range imit Page 2 of 22

Date Reported: 6/1/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: BH23-34 4'

Project: Dayton Recycle Release Collection Date: 5/19/2023 9:10:00 AM

Lab ID: 2305B56-003 Matrix: SOIL Received Date: 5/23/2023 7:30:00 AM

Analyses	Result	RL Qua	l Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGA	ANICS				Analyst: PRD
Diesel Range Organics (DRO)	ND	9.9	mg/Kg	1	5/26/2023 4:53:40 PM
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	5/26/2023 4:53:40 PM
Surr: DNOP	100	69-147	%Rec	1	5/26/2023 4:53:40 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: KMN
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	5/26/2023 3:09:00 PM
Surr: BFB	91.1	15-244	%Rec	1	5/26/2023 3:09:00 PM
EPA METHOD 8021B: VOLATILES					Analyst: KMN
Benzene	ND	0.024	mg/Kg	1	5/26/2023 3:09:00 PM
Toluene	ND	0.049	mg/Kg	1	5/26/2023 3:09:00 PM
Ethylbenzene	ND	0.049	mg/Kg	1	5/26/2023 3:09:00 PM
Xylenes, Total	ND	0.098	mg/Kg	1	5/26/2023 3:09:00 PM
Surr: 4-Bromofluorobenzene	87.6	39.1-146	%Rec	1	5/26/2023 3:09:00 PM
EPA METHOD 300.0: ANIONS					Analyst: JTT
Chloride	61	60	mg/Kg	20	5/26/2023 11:16:49 AM

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

Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

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

B Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Page 3 of 22

Date Reported: 6/1/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.

Client Sample ID: BH23-35 0'

Project: Dayton Recycle Release Collection Date: 5/19/2023 9:20:00 AM

Lab ID: 2305B56-004 Matrix: SOIL Received Date: 5/23/2023 7:30:00 AM

 Analyses
 Result
 RL Qual Units
 DF
 Date Analyzed

 EPA METHOD 300.0: ANIONS
 Analyst: CAS

 Chloride
 450
 60
 mg/Kg
 20
 5/25/2023 2:20:20 PM

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

Qualifiers:

* Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

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

B Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

ple pH Not In Range Page 4 of 22

Date Reported: 6/1/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.

Client Sample ID: BH23-35 2'

Project: Dayton Recycle Release Collection Date: 5/19/2023 9:30:00 AM

Lab ID: 2305B56-005 Matrix: SOIL Received Date: 5/23/2023 7:30:00 AM

 Analyses
 Result
 RL Qual Units
 DF
 Date Analyzed

 EPA METHOD 300.0: ANIONS
 Analyst: CAS

 Chloride
 78
 61
 mg/Kg
 20
 5/25/2023 2:32:41 PM

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

Qualifiers:

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

Page 5 of 22

Date Reported: 6/1/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.

Client Sample ID: BH23-35 4'

Project: Dayton Recycle Release Collection Date: 5/19/2023 9:35:00 AM

Lab ID: 2305B56-006 Matrix: SOIL Received Date: 5/23/2023 7:30:00 AM

 Analyses
 Result
 RL
 Qual
 Units
 DF
 Date Analyzed

 EPA METHOD 300.0: ANIONS
 Chloride
 71
 60
 mg/Kg
 20
 5/25/2023 2:45:02 PM

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

Qualifiers:

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

Page 6 of 22

Date Reported: 6/1/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.

Client Sample ID: BH23-36 0'

Project:Dayton Recycle ReleaseCollection Date: 5/19/2023 10:00:00 AMLab ID:2305B56-007Matrix: SOILReceived Date: 5/23/2023 7:30:00 AM

 Analyses
 Result
 RL Qual Units
 DF
 Date Analyzed

 EPA METHOD 300.0: ANIONS
 Analyst: CAS

 Chloride
 730
 60
 mg/Kg
 20
 5/25/2023 2:57:23 PM

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

Qualifiers:

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

Panarting Limit

Page 7 of 22

Date Reported: 6/1/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: BH23-36 2'

Project:Dayton Recycle ReleaseCollection Date: 5/19/2023 10:10:00 AMLab ID:2305B56-008Matrix: SOILReceived Date: 5/23/2023 7:30:00 AM

 Analyses
 Result
 RL
 Qual
 Units
 DF
 Date Analyzed

 EPA METHOD 300.0: ANIONS
 Chloride
 ND
 60
 mg/Kg
 20
 5/25/2023 3:09:44 PM

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

Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

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

B Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

ple pH Not In Range
Orting Limit Page 8 of 22

Date Reported: 6/1/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: BH23-36 4'

Project: Dayton Recycle Release Collection Date: 5/19/2023 10:20:00 AM

Lab ID: 2305B56-009 Matrix: SOIL Received Date: 5/23/2023 7:30:00 AM

Analyses	Result	RL Qua	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analyst: PRD
Diesel Range Organics (DRO)	ND	9.9	mg/Kg	1	5/26/2023 5:04:31 PM
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	5/26/2023 5:04:31 PM
Surr: DNOP	92.6	69-147	%Rec	1	5/26/2023 5:04:31 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: KMN
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	5/26/2023 3:31:00 PM
Surr: BFB	97.0	15-244	%Rec	1	5/26/2023 3:31:00 PM
EPA METHOD 8021B: VOLATILES					Analyst: KMN
Benzene	ND	0.024	mg/Kg	1	5/26/2023 3:31:00 PM
Toluene	ND	0.048	mg/Kg	1	5/26/2023 3:31:00 PM
Ethylbenzene	ND	0.048	mg/Kg	1	5/26/2023 3:31:00 PM
Xylenes, Total	ND	0.097	mg/Kg	1	5/26/2023 3:31:00 PM
Surr: 4-Bromofluorobenzene	87.7	39.1-146	%Rec	1	5/26/2023 3:31:00 PM
EPA METHOD 300.0: ANIONS					Analyst: JTT
Chloride	ND	60	mg/Kg	20	5/26/2023 11:29:14 AM

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

Qualifiers:

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

Page 9 of 22

Date Reported: 6/1/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.

Client Sample ID: BH23-37 0'

Project:Dayton Recycle ReleaseCollection Date: 5/19/2023 10:30:00 AMLab ID:2305B56-010Matrix: SOILReceived Date: 5/23/2023 7:30:00 AM

 Analyses
 Result
 RL Qual Units
 DF
 Date Analyzed

 EPA METHOD 300.0: ANIONS
 Analyst: CAS

 Chloride
 91
 60
 mg/Kg
 20
 5/25/2023 3:46:46 PM

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

Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

QL Practical Quanitative Limit

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

B Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Page 10 of 22

Date Reported: 6/1/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: BH23-37 2'

Project: Dayton Recycle Release **Collection Date:** 5/19/2023 10:35:00 AM Lab ID: 2305B56-011 Matrix: SOIL Received Date: 5/23/2023 7:30:00 AM

Analyses Result **RL Qual Units** DF **Date Analyzed EPA METHOD 300.0: ANIONS** Analyst: CAS Chloride 78 60 5/25/2023 3:59:06 PM mg/Kg 20

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

Qualifiers:

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

Page 11 of 22

Date Reported: 6/1/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.

Client Sample ID: BH23-37 4'

Project:Dayton Recycle ReleaseCollection Date: 5/19/2023 10:45:00 AMLab ID:2305B56-012Matrix: SOILReceived Date: 5/23/2023 7:30:00 AM

 Analyses
 Result
 RL Qual Units
 DF
 Date Analyzed

 EPA METHOD 300.0: ANIONS
 Analyst: CAS

 Chloride
 280
 60
 mg/Kg
 20
 5/25/2023 4:11:27 PM

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

Qualifiers:

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

Page 12 of 22

Date Reported: 6/1/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.

Client Sample ID: BH23-38 0'

Project:Dayton Recycle ReleaseCollection Date: 5/19/2023 10:55:00 AMLab ID:2305B56-013Matrix: SOILReceived Date: 5/23/2023 7:30:00 AM

 Analyses
 Result
 RL
 Qual
 Units
 DF
 Date Analyzed

 EPA METHOD 300.0: ANIONS
 Analyst: NAI

 Chloride
 3600
 150
 mg/Kg
 50
 5/31/2023 1:03:13 PM

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

Qualifiers:

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

rting Limit Page 13 of 22

Date Reported: 6/1/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: BH23-38 2'

Project: Dayton Recycle Release **Collection Date:** 5/19/2023 11:00:00 AM Lab ID: 2305B56-014 Matrix: SOIL Received Date: 5/23/2023 7:30:00 AM

Analyses Result **RL Qual Units** DF **Date Analyzed EPA METHOD 300.0: ANIONS** Analyst: CAS Chloride 140 60 5/25/2023 4:36:08 PM mg/Kg 20

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

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- Practical Quanitative Limit
- % Recovery outside of standard limits. If undiluted results may be estimated.
- Analyte detected in the associated Method Blank
- Ε Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- RL Reporting Limit

Sample pH Not In Range Page 14 of 22

Date Reported: 6/1/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: BH23-38 4'

Project: Dayton Recycle Release **Collection Date:** 5/19/2023 11:05:00 AM 2305B56-015 Lab ID: Matrix: SOIL Received Date: 5/23/2023 7:30:00 AM

Analyses	Result	RL Qua	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst: PRD
Diesel Range Organics (DRO)	ND	9.9	mg/Kg	1	5/26/2023 5:15:21 PM
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	5/26/2023 5:15:21 PM
Surr: DNOP	85.8	69-147	%Rec	1	5/26/2023 5:15:21 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: KMN
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	5/26/2023 4:14:00 PM
Surr: BFB	91.0	15-244	%Rec	1	5/26/2023 4:14:00 PM
EPA METHOD 8021B: VOLATILES					Analyst: KMN
Benzene	ND	0.025	mg/Kg	1	5/26/2023 4:14:00 PM
Toluene	ND	0.049	mg/Kg	1	5/26/2023 4:14:00 PM
Ethylbenzene	ND	0.049	mg/Kg	1	5/26/2023 4:14:00 PM
Xylenes, Total	ND	0.099	mg/Kg	1	5/26/2023 4:14:00 PM
Surr: 4-Bromofluorobenzene	87.3	39.1-146	%Rec	1	5/26/2023 4:14:00 PM
EPA METHOD 300.0: ANIONS					Analyst: JTT
Chloride	430	60	mg/Kg	20	5/26/2023 11:41:39 AM

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

Qualifiers:

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

Page 15 of 22

Date Reported: 6/1/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.

Client Sample ID: BH23-39 0'

Project: Dayton Recycle Release Collection Date: 5/19/2023 11:15:00 AM

Lab ID: 2305B56-016 Matrix: SOIL Received Date: 5/23/2023 7:30:00 AM

 Analyses
 Result
 RL
 Qual
 Units
 DF
 Date Analyzed

 EPA METHOD 300.0: ANIONS
 Chloride
 320
 60
 mg/Kg
 20
 5/25/2023 4:48:28 PM

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

Qualifiers:

* Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

QL Practical Quanitative Limit

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

B Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Page 16 of 22

Date Reported: 6/1/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: BH23-39 2'

Project: Dayton Recycle Release **Collection Date:** 5/19/2023 11:25:00 AM Lab ID: 2305B56-017 Matrix: SOIL Received Date: 5/23/2023 7:30:00 AM

Analyses Result **RL Qual Units** DF **Date Analyzed EPA METHOD 300.0: ANIONS** Analyst: CAS Chloride ND 60 5/25/2023 5:00:49 PM mg/Kg 20

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

Qualifiers:

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

Page 17 of 22

Date Reported: 6/1/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.

Client Sample ID: BH23-39 4'

Project: Dayton Recycle Release Collection Date: 5/19/2023 11:30:00 AM

Lab ID: 2305B56-018 Matrix: SOIL Received Date: 5/23/2023 7:30:00 AM

 Analyses
 Result
 RL
 Qual
 Units
 DF
 Date Analyzed

 EPA METHOD 300.0: ANIONS
 Analyst: CAS

 Chloride
 ND
 60
 mg/Kg
 20
 5/25/2023 5:13:09 PM

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

Qualifiers:

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

Page 18 of 22

Hall Environmental Analysis Laboratory, Inc.

2305B56 01-Jun-23

WO#:

Client: Vertex Resources Services, Inc.

Project: Dayton Recycle Release

Sample ID: MB-75172 SampType: mblk TestCode: EPA Method 300.0: Anions

Client ID: PBS Batch ID: 75172 RunNo: 97045

Prep Date: 5/25/2023 Analysis Date: 5/25/2023 SeqNo: 3521873 Units: mq/Kq

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

Chloride ND 1.5

Sample ID: LCS-75172 SampType: Ics TestCode: EPA Method 300.0: Anions

Client ID: LCSS Batch ID: 75172 RunNo: 97045

Prep Date: 5/25/2023 Analysis Date: 5/25/2023 SeqNo: 3521874 Units: mg/Kg

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

Chloride 14 1.5 15.00 0 91.1 90 110

Sample ID: MB-75209 SampType: MBLK TestCode: EPA Method 300.0: Anions

Client ID: PBS Batch ID: 75209 RunNo: 97064

Prep Date: 5/26/2023 Analysis Date: 5/26/2023 SeqNo: 3522745 Units: mg/Kg

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

Chloride ND 1.5

Sample ID: LCS-75209 SampType: LCS TestCode: EPA Method 300.0: Anions

Client ID: LCSS Batch ID: 75209 RunNo: 97064

Prep Date: 5/26/2023 Analysis Date: 5/26/2023 SeqNo: 3522746 Units: mg/Kg

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

Chloride 14 1.5 15.00 0 93.9 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 Quanitative Limit
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 19 of 22

Hall Environmental Analysis Laboratory, Inc.

2305B56 01-Jun-23

WO#:

Client: Vertex Resources Services, Inc.

Project: Dayton Recycle Release

Sample ID: LCS-75186	SampT	ype: LC	s	Tes	tCode: EF	PA Method	8015M/D: Die	sel Range	Organics	
Client ID: LCSS	Batch	n ID: 75 1	86	F	RunNo: 97	7073				
Prep Date: 5/25/2023	Analysis D	ate: 5/ 2	26/2023	5	SeqNo: 3	523198	Units: mg/K	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	46	10	50.00	0	92.0	61.9	130			
Surr: DNOP	4.3		5.000		85.4	69	147			
Sample ID: LCS-75197	SampT	ype: LC	s	Tes	92.0 61.9 130					

Campic ID.	LCG-13131	Gamprype	LO3	100	icouc. Li	AWELIOU	OU I SIVI/ D. DIE	sei italige	Organics	
Client ID:	LCSS	Batch ID	: 75197	F	RunNo: 9	7073				
Prep Date:	5/25/2023	Analysis Date	5/26/2023	5	SeqNo: 3	523201	Units: %Rec			
Analyte		Result P	QL SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP)	4.5	5.000		89.5	69	147			

Sample ID: MB-75186	Sampi	уре: МВ	LK	I es	tCode: EF	A Method	8015M/D: Die	sel Range	Organics	
Client ID: PBS	Batch	ID: 75 1	86	F	RunNo: 97	7073				
Prep Date: 5/25/2023	Analysis D	ate: 5/2	26/2023	5	SeqNo: 3	523202	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	9.0		10.00		89.5	69	147			

Sample ID: MB-75197	SampType: MBLK	TestCode: E	PA Method 8015M/D: Di	esel Range O	rganics	
Client ID: PBS	Batch ID: 75197	RunNo: 9	7073			
Prep Date: 5/25/2023	Analysis Date: 5/26/2023	SeqNo: 3	3523205 Units: %Re	c		
Analyte	Result PQL SPK	value SPK Ref Val %REC	LowLimit HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	11 1	0.00 112	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

Page 20 of 22

Hall Environmental Analysis Laboratory, Inc.

WO#: **2305B56** *01-Jun-23*

Client: Vertex Resources Services, Inc.

Project: Dayton Recycle Release

Sample ID: Ics-75154 SampType: LCS TestCode: EPA Method 8015D: Gasoline Range

Client ID: LCSS Batch ID: 75154 RunNo: 97050

Prep Date: 5/24/2023 Analysis Date: 5/26/2023 SeqNo: 3522418 Units: mg/Kg

PQL SPK value SPK Ref Val %REC HighLimit %RPD **RPDLimit** Qual Analyte Result LowLimit Gasoline Range Organics (GRO) 22 5.0 25.00 n 89.9 70 130

Surr: BFB 2000 1000 196 15 244

Sample ID: mb-75154 SampType: MBLK TestCode: EPA Method 8015D: Gasoline Range

Client ID: PBS Batch ID: 75154 RunNo: 97050

Prep Date: 5/24/2023 Analysis Date: 5/26/2023 SeqNo: 3522419 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 880 1000 88.1 15 244

Qualifiers:

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

Page 21 of 22

Hall Environmental Analysis Laboratory, Inc.

WO#: **2305B56** *01-Jun-23*

Client: Vertex Resources Services, Inc.

Project: Dayton Recycle Release

Sample ID: Ics-75154	Samp	Гуре: LC	S	Tes	tCode: EF	PA Method	8021B: Volati	les		
Client ID: LCSS	Batcl	h ID: 75 1	154	F	RunNo: 97	7050				
Prep Date: 5/24/2023	Analysis [Date: 5/ 2	26/2023	5	SeqNo: 3	522430	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.84	0.025	1.000	0	84.5	70	130			
Toluene	0.85	0.050	1.000	0	84.7	70	130			
Ethylbenzene	0.83	0.050	1.000	0	83.4	70	130			
Xylenes, Total	2.5	0.10	3.000	0	82.5	70	130			
Surr: 4-Bromofluorobenzene	0.89		1.000		88.7	39.1	146			

Sample ID: mb-75154	Samp ¹	Гуре: МЕ	BLK	Tes	tCode: El	PA Method	8021B: Volati	les		
Client ID: PBS	Batc	h ID: 75 ′	154	F	RunNo: 9	7050				
Prep Date: 5/24/2023	Analysis [Date: 5/ 3	26/2023	(SeqNo: 3	522431	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.87		1.000		86.7	39.1	146			

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- 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 22

Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109

TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

Sample Log-In Check List

Released to Imaging: 3/18/2024 3:12:53 PM

	Vertex Res Services, Ir		Work	Order Numbe	r: 2305	B56		RcptNo: 1	
Received By:	Tracy Cas	arrubias	5/23/20	23 7:30:00 AM	1				
Completed By:	Tracy Cas	arrubias	5/23/20	23 8:17:16 AN	1				
Reviewed By:	\$15.	23.53							
Chain of Cust	ody								
1. Is Chain of Cu		lete?			Yes		No 🗹	Not Present	
2. How was the s	ample deliv	ered?			<u>Couri</u>	<u>er</u>			
Log In									
3. Was an attemp	ot made to o	cool the samp	les?		Yes	V	No 🗌	NA \square	
4. Were all sampl	es received	at a tempera	ture of >0° C	to 6.0°C	Yes	✓	No 🗌	na 🗆	
5. Sample(s) in p	roper conta	iner(s)?			Yes	✓	No 🗌		
6. Sufficient samp	ole volume f	or indicated te	est(s)?		Yes	V	No 🗌		
7. Are samples (e	xcept VOA	and ONG) pro	perly preserve	ed?	Yes	~	No 🗌		
8. Was preservati	ve added to	bottles?			Yes		No 🔽	NA 🗆	
9. Received at lea	ıst 1 vial wit	h headspace	<1/4" for AQ \	/OA?	Yes		No 🗌	NA 🗹	
10. Were any sam	ple containe	ers received b	roken?		Yes		No 🗹	# of preserved bottles checked	
11. Does paperwor (Note discrepar)		Yes	✓	No 🗌	for pH:	unless noted)
2. Are matrices co	orrectly iden	tified on Chai	n of Custody?		Yes		No 🗹	Adjusted?	
3. Is it clear what	analyses we	ere requested	?		Yes	V	No 🗌		
14. Were all holding (If no, notify cu	_				Yes	✓	No 🗌	Checked by:	123
Special Handli	ng (if app	olicable)						,	
15. Was client not	ified of all d	iscrepancies v	with this order	?	Yes		No 🗌	NA 🗹	
Person N	Notified:			Date:			***************************************		
By Whor	n:	The contraction of the contracti		Via:	□ еМа	il [Phone 🗌 Fax	In Person	
Regardir	-								
Client Ins	structions:	Mailing addre	ess, phone nui	mber and Ema	il are mi	ssing	on COC- TMC	5/23/23	
16. Additional rem	narks:								
17. Cooler Inform		1				_		¥	
Cooler No	Temp °C	Condition	Seal Intact		Seal Da	te	Signed By		
1	4.4	Good	Yes	Morty					

HALL ENVIRONMENTAL	ANALYSIS LABORATORY	www.hallenvironmental.com	4901 Hawkins NE - Albuquerque, NM 87109	Tel. 505-345-3975 Fax 505-345-4107	/sis Requ	POS	OO4'	OA 2 2 0 705 3, 5	0 / 0 808\s (1.40) 28 10	10 des	ticic thoo B3° Net Net (A0°	(Se (Met by 81, (VC (VC (VC	3TEX 18081 EDB 6 PAH8 PAH8 8260 8260 8270				> >						\ \ \ \				Remarks:		CC Scartfar & Vertox. Ca P 1/2	and the analytical renot.	Released to Imaging: 3/18/2024 3:12:53 PM
Turn-Around Time:	□ Standard ☑ Rush 5 day	Project Name:	Dayton Recycle Kelease	I	236-02248	Project Manager:	Nowak		Sampler: SPC			Cooler Temp(including cF):	Container Preservative HEAL No.) de la la la la la la la la la la la la la	3	200	003	500	200	900	600	800	600	010	110	l	Received by: Via: Date Time	min ins	Received by: Via: ERLAN Date Time	Spale	ocoptracted to other accredited laboratories. This serves as notice of the
Chain-of-Custody Record	Client: Vertex (Silvaranck)		Mailing Address:		- thouse #:	Fax#:	QA/QC Package:	☐ Standard ☐ Level 4 (Full Validation)	r: ☐ Az Compliance	□ Other	□ EDD (Type)			= -	1-0-07 100	1 9:05 1 BH13-34 21			PH12-25	124.73-35	BH 23-30						Relinquished by:	5/19/23/1632 Jally Carttar	Time:	Bars 1900 CAMMAN	Released to Imaging: 3/18/2024 3:12:53 PM

	HALL ENVIRONMENTAL ANALYSIS LABORATORY	www.bellenvironmentel	4901 Hawkins NE - Albuquerque, NM 87109		Anal	†O	PO4, S SIMS PCB's	0 / DRG / O / DRG / O / DRG / O / O / O / O / O / O / O / O / O /	GR des des des des des des des des	etho W 83° Met r, N (AO)	BTEX / 8081 Pe 8081 Pe PAHs by RCRA 8 CI, F, B 8250 (V 8270 (S	>		\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \								Remarks:	airect bill Siwerback	100
Turn-Around Time:	□ Standard Id Rush 5 days		Dougton Recycle Release		236-02248	Project Manager:	MNowak	SPC No West		Cooler Temp(including cF): 4 4 - 6 = 4.4 (°C)	Container Preservative HEAL No. Type and # Type		hio	\$10	0	t10	300	1 23.00	and the second second	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	The offspan company	a: Date Time	Min 18	Received by: Via: Country Date Time
Chain-of-Custody Record	client: Vertex (Silverback)		Mailing Address: 00 Ull	0	Phone #:	email or Fax#:	QA/QC Package:	☐ Az Compliance ☐ Other			Date Time Matrix Sample Name	5/19/23 10:55 Sill BH23-38 0'	1 (1:00 1 BH 23 - 38 2'	11:05 13-3-38 4'	11:15 RH23-39 0'	11:25 BH13-39 2'	11:30 1 BH23-39 4'					Relinquished by:	23 1036 Jally Contras	Date: Time: Relinquished/by:

Released to Imaging: 3/18/2024 3:12:53 pm notated 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.



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

OrderNo.: 2305B58

May 31, 2023

Michael Novak Vertex Resources Services, Inc. 3101 Boyd Drive Carlsbad, NM 88220 TEL: (505) 506-0040

FAX

RE: Dayton Recycle Release

Dear Michael Novak:

Hall Environmental Analysis Laboratory received 30 sample(s) on 5/23/2023 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

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

Sincerely,

Andy Freeman

Laboratory Manager

Indes

4901 Hawkins NE

Albuquerque, NM 87109

Date Reported: 5/31/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: BH23-40 0'

Project: Dayton Recycle Release Collection Date: 5/20/2023 8:40:00 AM

Lab ID: 2305B58-001 Matrix: SOIL Received Date: 5/23/2023 7:30:00 AM

 Analyses
 Result
 RL Qual Units
 DF
 Date Analyzed

 EPA METHOD 300.0: ANIONS
 Analyst: CAS

 Chloride
 110
 61
 mg/Kg
 20
 5/25/2023 5:25:30 PM

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

Qualifiers:

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

tring Limit Page 1 of 36

Date Reported: 5/31/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: BH23-40 2'

Project: Dayton Recycle Release **Collection Date:** 5/20/2023 8:45:00 AM Lab ID: 2305B58-002 Matrix: SOIL Received Date: 5/23/2023 7:30:00 AM

Analyses Result **RL Qual Units** DF **Date Analyzed EPA METHOD 300.0: ANIONS** Analyst: CAS Chloride 260 60 5/25/2023 5:37:51 PM mg/Kg 20

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

Qualifiers:

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

Reporting Limit

Page 2 of 36

Date Reported: 5/31/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.

Client Sample ID: BH23-40 4'

Project: Dayton Recycle Release Collection Date: 5/20/2023 8:50:00 AM

Lab ID: 2305B58-003 Matrix: SOIL Received Date: 5/23/2023 7:30:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORG		Analyst: PRD			
Diesel Range Organics (DRO)	ND	9.9	mg/Kg	1	5/26/2023 5:58:45 PM
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	5/26/2023 5:58:45 PM
Surr: DNOP	109	69-147	%Rec	1	5/26/2023 5:58:45 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: KMN
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	5/26/2023 5:19:00 PM
Surr: BFB	90.7	15-244	%Rec	1	5/26/2023 5:19:00 PM
EPA METHOD 8021B: VOLATILES					Analyst: KMN
Benzene	ND	0.024	mg/Kg	1	5/26/2023 5:19:00 PM
Toluene	ND	0.048	mg/Kg	1	5/26/2023 5:19:00 PM
Ethylbenzene	ND	0.048	mg/Kg	1	5/26/2023 5:19:00 PM
Xylenes, Total	ND	0.096	mg/Kg	1	5/26/2023 5:19:00 PM
Surr: 4-Bromofluorobenzene	86.7	39.1-146	%Rec	1	5/26/2023 5:19:00 PM
EPA METHOD 300.0: ANIONS					Analyst: JTT
Chloride	690	60	mg/Kg	20	5/26/2023 12:43:42 PM

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

Qualifiers:

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

Page 3 of 36

CLIENT: Vertex Resources Services, Inc.

Analytical ReportLab Order **2305B58**

Date Reported: 5/31/2023

Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: BH23-41 0'

Project: Dayton Recycle Release **Collection Date:** 5/20/2023 8:55:00 AM

Lab ID: 2305B58-004 **Matrix:** SOIL **Received Date:** 5/23/2023 7:30:00 AM

Analyses	Result	RL Qua	al Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS					Analyst: CAS
Chloride	76	59	mg/Kg	20	5/25/2023 6:39:34 PM

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

Qualifiers:

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

Page 4 of 36

Date Reported: 5/31/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: BH23-41 2' **Project:** Dayton Recycle Release Collection Date: 5/20/2023 9:00:00 AM

2305B58-005 Lab ID: Matrix: SOIL Received Date: 5/23/2023 7:30:00 AM

Analyses	Result	RL Qua	al Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS					Analyst: CAS
Chloride	66	59	mg/Kg	20	5/25/2023 7:16:37 PM

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

Qualifiers:

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

Page 5 of 36

Date Reported: 5/31/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.

Client Sample ID: BH23-41 4'

Project: Dayton Recycle Release Collection Date: 5/20/2023 9:05:00 AM

Lab ID: 2305B58-006 Matrix: SOIL Received Date: 5/23/2023 7:30:00 AM

 Analyses
 Result
 RL
 Qual
 Units
 DF
 Date Analyzed

 EPA METHOD 300.0: ANIONS
 Analyst: CAS

 Chloride
 120
 60
 mg/Kg
 20
 5/25/2023 7:53:40 PM

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

Qualifiers:

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

ple pH Not In Range Page 6 of 36

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 5/31/2023

CLIENT: Vertex Resources Services, Inc. Client Sample ID: BH23-42 0'

Project: Dayton Recycle Release Collection Date: 5/20/2023 9:10:00 AM

Lab ID: 2305B58-007 Matrix: SOIL Received Date: 5/23/2023 7:30:00 AM

 Analyses
 Result
 RL Qual Units
 DF
 Date Analyzed

 EPA METHOD 300.0: ANIONS
 Analyst: CAS

 Chloride
 190
 60
 mg/Kg
 20
 5/25/2023 8:06:00 PM

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

Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

QL Practical Quanitative Limit

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

B Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

ple pH Not In Range Page 7 of 36

Date Reported: 5/31/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.

Client Sample ID: BH23-42 2'

Project: Dayton Recycle Release Collection Date: 5/20/2023 9:15:00 AM

Lab ID: 2305B58-008 Matrix: SOIL Received Date: 5/23/2023 7:30:00 AM

 Analyses
 Result
 RL Qual Units
 DF
 Date Analyzed

 EPA METHOD 300.0: ANIONS
 Analyst: CAS

 Chloride
 89
 60
 mg/Kg
 20
 5/25/2023 8:43:02 PM

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

Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

QL Practical Quanitative Limit

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

B Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Page 8 of 36

Date Reported: 5/31/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.

Client Sample ID: BH23-42 4'

Project: Dayton Recycle Release Collection Date: 5/20/2023 9:20:00 AM

Lab ID: 2305B58-009 Matrix: SOIL Received Date: 5/23/2023 7:30:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS					Analyst: PRD
Diesel Range Organics (DRO)	ND	9.3	mg/Kg	1	5/26/2023 6:09:47 PM
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	5/26/2023 6:09:47 PM
Surr: DNOP	92.3	69-147	%Rec	1	5/26/2023 6:09:47 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: KMN
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	5/26/2023 5:41:00 PM
Surr: BFB	91.8	15-244	%Rec	1	5/26/2023 5:41:00 PM
EPA METHOD 8021B: VOLATILES					Analyst: KMN
Benzene	ND	0.025	mg/Kg	1	5/26/2023 5:41:00 PM
Toluene	ND	0.050	mg/Kg	1	5/26/2023 5:41:00 PM
Ethylbenzene	ND	0.050	mg/Kg	1	5/26/2023 5:41:00 PM
Xylenes, Total	ND	0.099	mg/Kg	1	5/26/2023 5:41:00 PM
Surr: 4-Bromofluorobenzene	87.5	39.1-146	%Rec	1	5/26/2023 5:41:00 PM
EPA METHOD 300.0: ANIONS					Analyst: JTT
Chloride	190	60	mg/Kg	20	5/26/2023 1:20:55 PM

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

Qualifiers:

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

Page 9 of 36

Date Reported: 5/31/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: BH23-43 0'

Project: Dayton Recycle Release Collection Date: 5/20/2023 9:25:00 AM

Lab ID: 2305B58-010 Matrix: SOIL Received Date: 5/23/2023 7:30:00 AM

 Analyses
 Result
 RL Qual Units
 DF
 Date Analyzed

 EPA METHOD 300.0: ANIONS
 Analyst: CAS

 Chloride
 1000
 60
 mg/Kg
 20
 5/25/2023 8:55:23 PM

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

Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

QL Practical Quanitative Limit

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

B Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Page 10 of 36

Date Reported: 5/31/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: BH23-43 2'

Project: Dayton Recycle Release Collection Date: 5/20/2023 9:30:00 AM

Lab ID: 2305B58-011 Matrix: SOIL Received Date: 5/23/2023 7:30:00 AM

 Analyses
 Result
 RL Qual Units
 DF
 Date Analyzed

 EPA METHOD 300.0: ANIONS
 Analyst: CAS

 Chloride
 980
 60
 mg/Kg
 20
 5/25/2023 9:07:44 PM

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

Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

QL Practical Quanitative Limit

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

B Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Page 11 of 36

Date Reported: 5/31/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.

Client Sample ID: BH23-43 4'

Project: Dayton Recycle Release Collection Date: 5/20/2023 9:35:00 AM

Lab ID: 2305B58-012 Matrix: SOIL Received Date: 5/23/2023 7:30:00 AM

 Analyses
 Result
 RL
 Qual
 Units
 DF
 Date Analyzed

 EPA METHOD 300.0: ANIONS
 Analyst: CAS

 Chloride
 970
 60
 mg/Kg
 20
 5/25/2023 9:20:03 PM

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

Qualifiers:

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

Page 12 of 36

Date Reported: 5/31/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: BH23-44 0'

Project: Dayton Recycle Release Collection Date: 5/20/2023 9:40:00 AM

Lab ID: 2305B58-013 Matrix: SOIL Received Date: 5/23/2023 7:30:00 AM

 Analyses
 Result
 RL
 Qual
 Units
 DF
 Date Analyzed

 EPA METHOD 300.0: ANIONS
 Analyst: CAS

 Chloride
 86
 60
 mg/Kg
 20
 5/25/2023 9:32:24 PM

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

Qualifiers:

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

Page 13 of 36

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 5/31/2023

CLIENT: Vertex Resources Services, Inc. Client Sample ID: BH23-44 2'

Project: Dayton Recycle Release Collection Date: 5/20/2023 9:50:00 AM

Lab ID: 2305B58-014 Matrix: SOIL Received Date: 5/23/2023 7:30:00 AM

 Analyses
 Result
 RL Qual Units
 DF
 Date Analyzed

 EPA METHOD 300.0: ANIONS
 Analyst: CAS

 Chloride
 660
 61
 mg/Kg
 20
 5/25/2023 9:44:44 PM

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

Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

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

B Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Page 14 of 36

Date Reported: 5/31/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.

Client Sample ID: BH23-44 4'

Project:Dayton Recycle ReleaseCollection Date: 5/20/2023 10:00:00 AMLab ID:2305B58-015Matrix: SOILReceived Date: 5/23/2023 7:30:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE C	RGANICS				Analyst: PRD
Diesel Range Organics (DRO)	ND	9.9	mg/Kg	1	5/26/2023 6:20:51 PM
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	5/26/2023 6:20:51 PM
Surr: DNOP	92.5	69-147	%Rec	1	5/26/2023 6:20:51 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: KMN
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	5/26/2023 6:03:00 PM
Surr: BFB	89.9	15-244	%Rec	1	5/26/2023 6:03:00 PM
EPA METHOD 8021B: VOLATILES					Analyst: KMN
Benzene	ND	0.025	mg/Kg	1	5/26/2023 6:03:00 PM
Toluene	ND	0.049	mg/Kg	1	5/26/2023 6:03:00 PM
Ethylbenzene	ND	0.049	mg/Kg	1	5/26/2023 6:03:00 PM
Xylenes, Total	ND	0.099	mg/Kg	1	5/26/2023 6:03:00 PM
Surr: 4-Bromofluorobenzene	87.6	39.1-146	%Rec	1	5/26/2023 6:03:00 PM
EPA METHOD 300.0: ANIONS					Analyst: JTT
Chloride	1500	60	mg/Kg	20	5/26/2023 1:33:19 PM

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

Qualifiers:

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

Page 15 of 36

Date Reported: 5/31/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: BH23-45 0'

Project: Dayton Recycle Release Collection Date: 5/20/2023 10:10:00 AM

Lab ID: 2305B58-016 Matrix: SOIL Received Date: 5/23/2023 7:30:00 AM

Analyses	Result	RL Qua	al Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS					Analyst: CAS
Chloride	ND	60	mg/Kg	20	5/25/2023 9:57:05 PM

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

Qualifiers:

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

Page 16 of 36

Date Reported: 5/31/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: BH23-45 2'

Project:Dayton Recycle ReleaseCollection Date: 5/20/2023 10:20:00 AMLab ID:2305B58-017Matrix: SOILReceived Date: 5/23/2023 7:30:00 AM

 Analyses
 Result
 RL
 Qual
 Units
 DF
 Date Analyzed

 EPA METHOD 300.0: ANIONS
 Analyst: CAS

 Chloride
 ND
 60
 mg/Kg
 20
 5/25/2023 10:09:26 PM

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

Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

QL Practical Quanitative Limit

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

B Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Page 17 of 36

Date Reported: 5/31/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: BH23-45 4'

Project:Dayton Recycle ReleaseCollection Date: 5/20/2023 10:25:00 AMLab ID:2305B58-018Matrix: SOILReceived Date: 5/23/2023 7:30:00 AM

 Analyses
 Result
 RL Qual Units
 DF
 Date Analyzed

 EPA METHOD 300.0: ANIONS
 Analyst: CAS

 Chloride
 ND
 60
 mg/Kg
 20
 5/25/2023 10:21:47 PM

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

Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

QL Practical Quanitative Limit

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

B Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Page 18 of 36

Date Reported: 5/31/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: BH23-46 0'

Project: Dayton Recycle Release Collection Date: 5/20/2023 11:00:00 AM

Lab ID: 2305B58-019 Matrix: SOIL Received Date: 5/23/2023 7:30:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS					Analyst: CAS
Chloride	130	60	mg/Kg	20	5/25/2023 10:34:06 PM

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

Qualifiers:

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

Page 19 of 36

Date Reported: 5/31/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: BH23-46 2'

 Project:
 Dayton Recycle Release
 Collection Date: 5/20/2023 11:05:00 AM

 Lab ID:
 2305B58-020
 Matrix: SOIL
 Received Date: 5/23/2023 7:30:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS					Analyst: CAS
Chloride	ND	60	mg/Kg	20	5/25/2023 11:11:08 PM

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

Qualifiers:

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

Page 20 of 36

Date Reported: 5/31/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.

Client Sample ID: BH23-46 4'

Project: Dayton Recycle Release Collection Date: 5/20/2023 11:10:00 AM

Lab ID: 2305B58-021 Matrix: SOIL Received Date: 5/23/2023 7:30:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE C	RGANICS				Analyst: PRD
Diesel Range Organics (DRO)	ND	9.4	mg/Kg	1	5/26/2023 6:31:48 PM
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	5/26/2023 6:31:48 PM
Surr: DNOP	105	69-147	%Rec	1	5/26/2023 6:31:48 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: KMN
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	5/30/2023 5:47:00 PM
Surr: BFB	88.4	15-244	%Rec	1	5/30/2023 5:47:00 PM
EPA METHOD 8021B: VOLATILES					Analyst: KMN
Benzene	ND	0.025	mg/Kg	1	5/30/2023 5:47:00 PM
Toluene	ND	0.049	mg/Kg	1	5/30/2023 5:47:00 PM
Ethylbenzene	ND	0.049	mg/Kg	1	5/30/2023 5:47:00 PM
Xylenes, Total	ND	0.098	mg/Kg	1	5/30/2023 5:47:00 PM
Surr: 4-Bromofluorobenzene	85.4	39.1-146	%Rec	1	5/30/2023 5:47:00 PM
EPA METHOD 300.0: ANIONS					Analyst: JTT
Chloride	ND	60	mg/Kg	20	5/26/2023 1:45:44 PM

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

Qualifiers:

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

Page 21 of 36

Project:

CLIENT: Vertex Resources Services, Inc.

Dayton Recycle Release

Analytical ReportLab Order **2305B58**

Date Reported: 5/31/2023

Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: BH23-47 0'

Collection Date: 5/20/2023 11:15:00 AM

Lab ID: 2305B58-022 **Matrix:** SOIL **Received Date:** 5/23/2023 7:30:00 AM

Analyses	Result	RL Qua	al Units	DF	Date Analyzed		
EPA METHOD 300.0: ANIONS					Analyst: CAS		
Chloride	89	60	mg/Kg	20	5/25/2023 11:23:29 PM		

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

Qualifiers:

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

Page 22 of 36

Date Reported: 5/31/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: BH23-47 2'

Project: Dayton Recycle Release Collection Date: 5/20/2023 11:20:00 AM

Lab ID: 2305B58-023 Matrix: SOIL Received Date: 5/23/2023 7:30:00 AM

Analyses	Result	RL Qua	al Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS					Analyst: CAS
Chloride	ND	60	mg/Kg	20	5/25/2023 11:35:50 PM

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

Qualifiers:

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

Page 23 of 36

Date Reported: 5/31/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.

Client Sample ID: BH23-47 4'

 Project:
 Dayton Recycle Release
 Collection Date: 5/20/2023 11:20:00 AM

 Lab ID:
 2305B58-024
 Matrix: SOIL
 Received Date: 5/23/2023 7:30:00 AM

 Analyses
 Result
 RL Qual Units
 DF
 Date Analyzed

 EPA METHOD 300.0: ANIONS
 Analyst: CAS

 Chloride
 480
 60
 mg/Kg
 20
 5/25/2023 11:48:11 PM

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

Qualifiers:

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

Page 24 of 36

Date Reported: 5/31/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.

Client Sample ID: BH23-48 0'

Project: Dayton Recycle Release Collection Date: 5/20/2023 11:30:00 AM

Lab ID: 2305B58-025 Matrix: SOIL Received Date: 5/23/2023 7:30:00 AM

 Analyses
 Result
 RL Qual Units
 DF
 Date Analyzed

 EPA METHOD 300.0: ANIONS
 Analyst: CAS

 Chloride
 ND
 60
 mg/Kg
 20
 5/26/2023 12:00:31 AM

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

Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

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

B Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Page 25 of 36

Date Reported: 5/31/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.

Client Sample ID: BH23-48 2'

 Project:
 Dayton Recycle Release
 Collection Date: 5/20/2023 11:35:00 AM

 Lab ID:
 2305B58-026
 Matrix: SOIL
 Received Date: 5/23/2023 7:30:00 AM

 Analyses
 Result
 RL Qual Units
 DF
 Date Analyzed

 EPA METHOD 300.0: ANIONS
 Analyst: CAS

 Chloride
 ND
 59
 mg/Kg
 20
 5/26/2023 12:12:51 AM

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

Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

QL Practical Quanitative Limit

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

B Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Page 26 of 36

Date Reported: 5/31/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.

Client Sample ID: BH23-48 4'

Project: Dayton Recycle Release Collection Date: 5/20/2023 11:40:00 AM

Lab ID: 2305B58-027 Matrix: SOIL Received Date: 5/23/2023 7:30:00 AM

Analyses	Result	RL Qu	ıal Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE (ORGANICS				Analyst: PRD
Diesel Range Organics (DRO)	ND	9.8	mg/Kg	1	5/26/2023 6:42:49 PM
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	5/26/2023 6:42:49 PM
Surr: DNOP	79.3	69-147	%Rec	1	5/26/2023 6:42:49 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: KMN
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	5/26/2023 6:25:00 PM
Surr: BFB	94.0	15-244	%Rec	1	5/26/2023 6:25:00 PM
EPA METHOD 8021B: VOLATILES					Analyst: KMN
Benzene	ND	0.023	mg/Kg	1	5/26/2023 6:25:00 PM
Toluene	ND	0.047	mg/Kg	1	5/26/2023 6:25:00 PM
Ethylbenzene	ND	0.047	mg/Kg	1	5/26/2023 6:25:00 PM
Xylenes, Total	ND	0.093	mg/Kg	1	5/26/2023 6:25:00 PM
Surr: 4-Bromofluorobenzene	87.1	39.1-146	%Rec	1	5/26/2023 6:25:00 PM
EPA METHOD 300.0: ANIONS					Analyst: JTT
Chloride	ND	61	mg/Kg	20	5/26/2023 1:58:08 PM

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

Qualifiers:

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

Page 27 of 36

CLIENT: Vertex Resources Services, Inc.

Analytical ReportLab Order **2305B58**

Date Reported: 5/31/2023

Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: BH23-49 0'

Project: Dayton Recycle Release Collection Date: 5/20/2023 11:45:00 AM

Lab ID: 2305B58-028 **Matrix:** SOIL **Received Date:** 5/23/2023 7:30:00 AM

 Analyses
 Result
 RL
 Qual
 Units
 DF
 Date Analyzed

 EPA METHOD 300.0: ANIONS
 Analyst: CAS

 Chloride
 360
 60
 mg/Kg
 20
 5/25/2023 10:50:00 PM

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

Qualifiers:

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

Page 28 of 36

Project:

CLIENT: Vertex Resources Services, Inc.

Analytical ReportLab Order **2305B58**

Date Reported: 5/31/2023

Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: BH23-49 2'

Dayton Recycle Release Collection Date: 5/20/2023 11:55:00 AM

Lab ID: 2305B58-029 **Matrix:** SOIL **Received Date:** 5/23/2023 7:30:00 AM

Analyses	Result	RL Qua	al Units	DF	Date Analyzed		
EPA METHOD 300.0: ANIONS					Analyst: CAS		
Chloride	ND	60	mg/Kg	20	5/25/2023 11:02:24 PM		

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

Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

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

B Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Page 29 of 36

Date Reported: 5/31/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: BH23-49 4'

 Project:
 Dayton Recycle Release
 Collection Date: 5/20/2023 12:00:00 PM

 Lab ID:
 2305B58-030
 Matrix: SOIL
 Received Date: 5/23/2023 7:30:00 AM

Analyses	Result	RL Qua	al Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS					Analyst: CAS
Chloride	ND	60	mg/Kg	20	5/25/2023 11:14:48 PM

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

Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

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

B Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Page 30 of 36

OC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2305B58**

31-May-23

Client: Vertex Resources Services, Inc.

Project: Dayton Recycle Release

Sample ID: MB-75198 SampType: mblk TestCode: EPA Method 300.0: Anions

Client ID: PBS Batch ID: 75198 RunNo: 97041

Prep Date: 5/25/2023 Analysis Date: 5/25/2023 SeqNo: 3521710 Units: mq/Kq

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

Chloride ND 1.5

Sample ID: LCS-75198 SampType: Ics TestCode: EPA Method 300.0: Anions

Client ID: LCSS Batch ID: 75198 RunNo: 97041

Prep Date: 5/25/2023 Analysis Date: 5/25/2023 SeqNo: 3521711 Units: mq/Kq

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

Chloride 14 1.5 15.00 0 94.6 90 110

Sample ID: MB-75172 SampType: mblk TestCode: EPA Method 300.0: Anions

Client ID: **PBS** Batch ID: **75172** RunNo: **97045**

Prep Date: 5/25/2023 Analysis Date: 5/25/2023 SeqNo: 3521873 Units: mg/Kg

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

Chloride ND 1.5

Sample ID: LCS-75172 SampType: Ics TestCode: EPA Method 300.0: Anions

Client ID: LCSS Batch ID: 75172 RunNo: 97045

Prep Date: 5/25/2023 Analysis Date: 5/25/2023 SeqNo: 3521874 Units: mg/Kg

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

Chloride 14 1.5 15.00 0 91.1 90 110

Sample ID: MB-75176 SampType: mblk TestCode: EPA Method 300.0: Anions

Client ID: PBS Batch ID: 75176 RunNo: 97045

Prep Date: 5/25/2023 Analysis Date: 5/25/2023 SeqNo: 3521910 Units: mg/Kg

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

Chloride ND 1.5

Sample ID: LCS-75176 SampType: Ics TestCode: EPA Method 300.0: Anions

Client ID: LCSS Batch ID: 75176 RunNo: 97045

Prep Date: 5/25/2023 Analysis Date: 5/25/2023 SeqNo: 3521911 Units: mg/Kg

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

Chloride 14 1.5 15.00 0 93.2 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 Quanitative Limit

B Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Page 31 of 36

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2305B58** *31-May-23*

Client: Vertex Resources Services, Inc.

Project: Dayton Recycle Release

Sample ID: MB-75209 SampType: MBLK TestCode: EPA Method 300.0: Anions

Client ID: PBS Batch ID: 75209 RunNo: 97064

Prep Date: 5/26/2023 Analysis Date: 5/26/2023 SeqNo: 3522745 Units: mg/Kg

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

Chloride ND 1.5

Sample ID: LCS-75209 SampType: LCS TestCode: EPA Method 300.0: Anions

Client ID: LCSS Batch ID: 75209 RunNo: 97064

Prep Date: 5/26/2023 Analysis Date: 5/26/2023 SeqNo: 3522746 Units: mg/Kg

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

Chloride 14 1.5 15.00 0 93.9 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 Quanitative Limit
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 32 of 36

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2305B58** *31-May-23*

Client: Vertex Resources Services, Inc.

Project: Dayton Recycle Release

Sample ID: LCS-75186 SampType: LCS TestCode: EPA Method 8015M/D: Diesel Range Organics

Client ID: LCSS Batch ID: 75186 RunNo: 97073

Prep Date: 5/25/2023 Analysis Date: 5/26/2023 SeqNo: 3523198 Units: mg/Kg

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Diesel Range Organics (DRO) 46 10 50.00 0 92.0 61.9 130

 Diesel Range Organics (DRO)
 46
 10
 50.00
 0
 92.0
 61.9
 130

 Surr: DNOP
 4.3
 5.000
 85.4
 69
 147

Sample ID: MB-75186 SampType: MBLK TestCode: EPA Method 8015M/D: Diesel Range Organics

Client ID: PBS Batch ID: 75186 RunNo: 97073

Prep Date: 5/25/2023 Analysis Date: 5/26/2023 SeqNo: 3523202 Units: mg/Kg

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

Diesel Range Organics (DRO) ND 10
Motor Oil Range Organics (MRO) ND 50

Surr: DNOP 9.0 10.00 89.5 69 147

Qualifiers:

- Value exceeds Maximum Contaminant Level
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- 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 33 of 36

OC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

Dayton Recycle Release

WO#: 2305B58

31-May-23

Client: Vertex Resources Services, Inc.

Project:

Surr: BFB

Sample ID: Ics-75154 SampType: LCS TestCode: EPA Method 8015D: Gasoline Range Client ID: LCSS Batch ID: 75154 RunNo: 97050 Prep Date: 5/24/2023 Analysis Date: 5/26/2023 SeqNo: 3522418 Units: mq/Kq SPK value SPK Ref Val **RPDLimit** Analyte Result PQL %REC LowLimit HighLimit %RPD Qual 22 5.0 25.00 Λ 89.9 70 130

Gasoline Range Organics (GRO) Surr: BFB 2000 1000 196 15 244

Sample ID: mb-75154 SampType: MBLK TestCode: EPA Method 8015D: Gasoline Range

Client ID: PBS Batch ID: 75154 RunNo: 97050

Prep Date: 5/24/2023 Analysis Date: 5/26/2023 SeqNo: 3522419 Units: mg/Kg

%RPD Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit **RPDLimit** Qual Gasoline Range Organics (GRO) ND 5.0

88.1

15

244

Sample ID: LCS-75211 SampType: LCS TestCode: EPA Method 8015D: Gasoline Range

1000

Client ID: LCSS Batch ID: 75211 RunNo: 97082

880

Prep Date: 5/26/2023 Analysis Date: 5/30/2023 SeqNo: 3524885 Units: mg/Kg

Result SPK value SPK Ref Val %REC %RPD **RPDLimit** Analyte PQL LowLimit HighLimit Qual Gasoline Range Organics (GRO) 21 5.0 25.00 0 82.3 70 130 Surr: BFB 2000 1000 200 15 244

Sample ID: MB-75211 SampType: MBLK TestCode: EPA Method 8015D: Gasoline Range Client ID: PBS Batch ID: 75211 RunNo: 97082 Prep Date: 5/26/2023 Analysis Date: 5/30/2023 SeqNo: 3524886 Units: mg/Kg SPK value SPK Ref Val %REC %RPD **RPDLimit** Result PQL LowLimit HighLimit Qual

Gasoline Range Organics (GRO) ND 5.0 Surr: BFB 910 1000 90.9 15 244

Sample ID: 2305B58-021ams SampType: MS TestCode: EPA Method 8015D: Gasoline Range Client ID: BH23-46 4' Batch ID: 75211 RunNo: 97082 Prep Date: 5/26/2023 Analysis Date: 5/30/2023 SeqNo: 3524888 Units: mq/Kq

Result **PQL** SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual Gasoline Range Organics (GRO) 21 4.9 0 70 24.34 84.7 130 Surr: BFB 2000 973.7 203 15 244

TestCode: EPA Method 8015D: Gasoline Range Sample ID: 2305B58-021amsd SampType: MSD

Client ID: BH23-46 4' Batch ID: 75211 RunNo: 97082

Prep Date: Units: mg/Kg 5/26/2023 Analysis Date: 5/30/2023 SeqNo: 3524889

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

Qualifiers:

- Value exceeds Maximum Contaminant Level
- D Sample Diluted Due to Matrix
- Holding times for preparation or analysis exceeded Н
- Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of standard limits. If undiluted results may be estimated.
- Analyte detected in the associated Method Blank
- Above Quantitation Range/Estimated Value
- Analyte detected below quantitation limits
- Sample pH Not In Range
- RL Reporting Limit

Page 34 of 36

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2305B58**

31-May-23

Client: Vertex Resources Services, Inc.

Project: Dayton Recycle Release

Sample ID: 2305B58-021amsd SampType: MSD TestCode: EPA Method 8015D: Gasoline Range

Client ID: **BH23-46 4'** Batch ID: **75211** RunNo: **97082**

Prep Date: 5/26/2023 Analysis Date: 5/30/2023 SeqNo: 3524889 Units: mg/Kg

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	21	4.9	24.44	0	85.2	70	130	0.955	20	
Surr: BFB	2000		977.5		209	15	244	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 Quanitative Limit
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 35 of 36

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2305B58**

31-May-23

Client: Vertex Resources Services, Inc.

Project: Dayton Recycle Release

Sample ID: Ics-75154	SampT	Гуре: LC	S	TestCode: EPA Method			8021B: Volat	tiles		
Client ID: LCSS	Batcl	h ID: 75 ′	154	RunNo: 97050						
Prep Date: 5/24/2023	Analysis D	Date: 5/ 3	26/2023	SeqNo: 3522430			Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.84	0.025	1.000	0	84.5	70	130			
Toluene	0.85	0.050	1.000	0	84.7	70	130			
Ethylbenzene	0.83	0.050	1.000	0	83.4	70	130			
Xylenes, Total	2.5	0.10	3.000	0	82.5	70	130			
Surr: 4-Bromofluorobenzene	0.89		1.000		88.7	39.1	146			

Sample ID: mb-75154	SampT	ype: ME	BLK	Test	tCode: El	PA Method	8021B: Volat	iles		
Client ID: PBS	Batch	n ID: 75	154	R	tunNo: 9	7050				
Prep Date: 5/24/2023	Analysis D	ate: 5/	26/2023	S	SeqNo: 3	522431	Units: mg/K	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.87		1.000		86.7	39.1	146			

Sample ID: LCS-75211	Samp	Гуре: LC	s	Tes	tCode: El	PA Method	8021B: Vola	tiles		
Client ID: LCSS	Batc	h ID: 75	211	F	RunNo: 9	7082				
Prep Date: 5/26/2023	Analysis [Date: 5/	30/2023	\$	SeqNo: 3	524912	Units: mg/k	ίg		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.80	0.025	1.000	0	80.5	70	130			
Toluene	0.82	0.050	1.000	0	82.2	70	130			
Ethylbenzene	0.81	0.050	1.000	0	81.2	70	130			
Xylenes, Total	2.4	0.10	3.000	0	80.9	70	130			
Surr: 4-Bromofluorobenzene	0.88		1.000		88.3	39.1	146			

Sample ID: MB-75211	SampT	уре: МЕ	BLK	Tes	tCode: El	PA Method	8021B: Volat	iles		
Client ID: PBS	Batch	n ID: 75	211	F	RunNo: 9	7082				
Prep Date: 5/26/2023	Analysis D	ate: 5/	30/2023	8	SeqNo: 3	524913	Units: mg/K	ζg		
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	0.87		1.000		87.0	39.1	146			

Qualifiers:

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

Page 36 of 36

Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque. NM 87109

TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

Sample Log-In Check List

Released to Imaging: 3/18/2024 3:12:53 PM

Client Name	: Vertex Re Services,		Work	Order Numi	per: 2305B58		RcptNo	: 1
Received By	: Tracy Ca	sarrubias	5/23/20	23 7:30:00 /	ΑM			
Completed E	by: Tracy Ca	sarrubias	5/23/20	23 8:32:24 /	ΑM			
Reviewed By	· CMC		5/23	1/23				
Chain of C	ustody							
1. Is Chain o	f Custody com	plete?			Yes 🗌	No 🗹	Not Present	
2. How was	the sample deli	ivered?			Courier			
Log In	tempt made to	cool the samn	los?		Yes 🗹	No 🗆	na 🗌	
o. Wao an a	icinpi made to	coor the samp			103			
4. Were all s	amples receive	d at a tempera	ture of >0° C	to 6.0°C	Yes Not reg	No 🗹	NA 🗌	
5. Sample(s)	in proper conta	ainer(s)?			Yes 🗸	No 🗆		
6. Sufficient	sample volume	for indicated to	est(s)?		Yes 🗹	No 🗌		4.9
7. Are sampl	es (except VOA	and ONG) pro	operly preserve	ed?	Yes 🗹	No 🗌		
8. Was prese	rvative added t	to bottles?			Yes 🗌	No 🗹	NA 🗆	
9. Received	at least 1 vial w	ith headspace	<1/4" for AQ \	OA?	Yes 🗌	No 🗌	NA 🗹	/
10. Were any	sample contair	ners received b	roken?		Yes 📙	No 🗹	# of preserved bottles checked	
	erwork match be repancies on ch)		Yes 🗹	No 🗌	for pH:	r >12 unless noted)
12. Are matric	es correctly ide	ntified on Chai	n of Custody?		Yes 🗹	No 🗌	Adjusted?	
	vhat analyses v		?		Yes 🗹	No 🗌		
	olding times ab y customer for				Yes 🗹	No □	Checked by:	23/23
Special Hai	ndling (if ap	plicable)						
15. Was clien	t notified of all	discrepancies v	with this order	?	Yes 🗌	No 🗆	NA 🗹	
Per	son Notified:			Date:				
Ву \	Whom:	Section,	The last transfer and the last transfer and the last transfer and the last transfer and the last transfer and the last transfer and the last transfer and the last transfer and the last transfer and the last transfer and transf	Via:	eMail	Phone 🗌 Fax	In Person	
Reg	arding:	The state of the s					COMMON STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET,	
Clie	nt Instructions:	Mailing addre	ess, phone nui	mber and En	nail are missing	on COC-TMC	5/23/23	
16. Additiona	l remarks:							
17. Cooler II	<u>nformation</u>							
Coolei			Seal Intact	Seal No	Seal Date	Signed By		
1 2	20.9 5.4	Good Good	Yes	Morty Morty				
		4					1	

J	hain	-of-C	Chain-of-Custody Record	5	Turn-Around Time:	Time:				-		Ĺ				AHV	-
Client:	1011	XX	LOVAX (Silvenback)		□ Standard	Rush	5 day				ANAL	XS.	S	AB	OR	YSTS LABORATORY	, >
	5				Project Name:		0			*	4 4	www.hallenvironmental.com	mu	lete	, ,		:
Mailing	Mailing Address:	S:	1 Lile.		23E- (236-02248	¥	4	4901 Hawkins NE	awkins	R	Albuc	herd	ue, NN	Albuquerque, NM 87109	0	
			0		Project #:		7 "		Tel. 50	505-345-3975	3975	Fax	x 506	505-345-4107	1107		
Phone #:	#:				Layton		rega release -				4	Analysis	s Re	Rednest			
email o	email or Fax#:			100	Project Manager	ager:						†OS	_	(jue			-
QA/QC	QA/QC Package:				Nike	Klowak		S08) RM \	s,80	SIVI	SWI	S '⊅C		esd∧	1		
□ Standard	ndard		☐ Level 4 (Full Validation)	idation)							900)d '		//tue		15	
Accred	Accreditation:		□ Az Compliance		Sampler:	Spc	100000000000000000000000000000000000000				170	ZON			10		
	□ NELAC	□ Other			On Ice:	Ves Ves	□ No machi					٤,	AO				
	O (Type)				# of Coolers:	7								_			
					Cooler Temp(Including CF):	O(Including CF): 20	9-6 = 20.9 (°C)									1	
					Confainer	5.V Preservative	HEAL NO.			N) 8	AA	F, E	S) 02 \) 09				
Date	Time	Matrix	Sample Name	2	Type and #	Type	2305B					-					
5/20/2	5/20/23 0840	Soil	BH23-40	10	40% jar	1,00	001					>			-	i	
_	0845	_	BH23-40	2'	5-		002			2 E							
	0820		BH23-40	4.			003	>				3	1		1		
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	0060		BH23-41	2,	1		000										- 1
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5/20/23	1810	Ga.	fally Cortan		yhmn		~	8	rect	La	50	direct bill Silverbuck	Da	X			
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5 m 33	190	1/1	WANAAA O	V	1	1	15/13/12 1.3	a management of the same								//3	~
],	If manages ar	to appropriate ve	Oll Frankon	mental may be still	contracted to other acc	accredited laborator	ries. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report	s possibilit	Anv si	ib-contra	cted data	will be c	learly n	otated on	the analy	ical report.	

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	HALL ENVIRONMENTAL ANALYSTS LABORATORY	NO PROPERTY OF THE PROPERTY OF	www.nailenvironmentai.com 4901 Hawkins NE - Albuquerque NM 87109		Analysis		PO₄, S	8270	, 10 , 1	510 103	99 83 8 Me 17, 18 90 90 90 90 90 90 90 90	EDB (<i>M</i> PAHs <i>E</i> RCRA : 8260 (<i>V</i> B270 (S Total C	/											direct fall Blueder		cosument @ vertur. co. 1 3/3
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						_						BTEX /			7								Remarks:	7	3 2	}
Turn-Around Time:	□ Standard \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	Project Name:	Dayton Recycle Release	Project #:	256-02248	Project Manager:	Mike Nowak	Sampler:	On Ice: TV Yes D No	# of Coolers: 2	Cooler Temp(including CF): \(\text{(M.U.C.C.)}	Container Preservative 7305858			470	320	620	030	The second of th	The state of the s	to the second of	7.000	Via: Date Time	801 E.B.	Via:Courter	S123/13
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Chain-of-Custody Record	Vertix (Silverback)		s: On bile	Ŋ			☐ Level 4 (Full Validation)	☐ Az Compliance	□ Other			Matrix Sample Name	Spil BH23-48	1 BH 23 - 48	BH23-48	BH23-49	BH23-49	1 BH 23-49	1.000 mg			To Mit Dropp	Relinquished by:	Sally Cartean	Relinquished by:	18.13 (9.00 MMM MMM) I The second of the sec
Chain	Client: VWH		Mailing Address:		Phone #:	email or Fax#:	QA/QC Package:	Accreditation:	□ NELAC	□ EDD (Type)		Date Time	5/20/23 130	1135	[140	1145	1155	1200				1		1181	Date: Time:	18.73 (9.00)



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

May 16, 2023

Mark Ritchie Vertex Resources Services, Inc. 3101 Boyd Drive Carlsbad, NM 88220 TEL: (505) 506-0040

FAX:

RE: Dayton Recycle Release OrderNo.: 2305347

Dear Mark Ritchie:

Hall Environmental Analysis Laboratory received 48 sample(s) on 5/6/2023 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

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

Sincerely,

Andy Freeman

Laboratory Manager

Indest

4901 Hawkins NE

Albuquerque, NM 87109

Analytical Report

Lab Order **2305347**Date Reported: **5/16/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.

Client Sample ID: BH23-01 0.0'

Project:Dayton Recycle ReleaseCollection Date: 4/30/2023 2:00:00 PMLab ID:2305347-001Matrix: SOILReceived Date: 5/6/2023 8:45:00 AM

Analyses	Result	RL Qua	l Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS					Analyst: SNS
Chloride	ND	60	mg/Kg	20	5/12/2023 12:26:08 AM

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

Qualifiers:

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

Page 1 of 53

Analytical ReportLab Order **2305347**

Date Reported: 5/16/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.

Client Sample ID: BH23-02 0.0'

Project: Dayton Recycle Release Collection Date: 4/30/2023 2:05:00 PM
Lab ID: 2305347-002 Matrix: SOIL Received Date: 5/6/2023 8:45:00 AM

Analyses	Result	RL Qua	al Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS					Analyst: JTT
Chloride	5200	150	mg/Kg	50	5/12/2023 9:34:27 AM

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

Qualifiers:

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

Page 2 of 53

Analytical Report Lab Order 2305347

Date Reported: 5/16/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.

Client Sample ID: BH23-01 2.0'

Project: Dayton Recycle Release Collection Date: 5/1/2023 9:00:00 AM

Lab ID: 2305347-003 Matrix: SOIL Received Date: 5/6/2023 8:45:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analyst: PRD
Diesel Range Organics (DRO)	ND	9.9	mg/Kg	1	5/11/2023 10:03:59 PM
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	5/11/2023 10:03:59 PM
Surr: DNOP	72.6	69-147	%Rec	1	5/11/2023 10:03:59 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	5/11/2023 10:20:34 PM
Surr: BFB	75.1	15-244	%Rec	1	5/11/2023 10:20:34 PM
EPA METHOD 8021B: VOLATILES					Analyst: JJP
Benzene	ND	0.025	mg/Kg	1	5/11/2023 10:20:34 PM
Toluene	ND	0.049	mg/Kg	1	5/11/2023 10:20:34 PM
Ethylbenzene	ND	0.049	mg/Kg	1	5/11/2023 10:20:34 PM
Xylenes, Total	ND	0.098	mg/Kg	1	5/11/2023 10:20:34 PM
Surr: 4-Bromofluorobenzene	84.6	39.1-146	%Rec	1	5/11/2023 10:20:34 PM
EPA METHOD 300.0: ANIONS					Analyst: SNS
Chloride	420	60	mg/Kg	20	5/12/2023 12:50:49 AM

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

Qualifiers:

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

Page 3 of 53

Analytical Report

Lab Order **2305347**Date Reported: **5/16/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.

Client Sample ID: BH23-01 4.0'

Project: Dayton Recycle Release Collection Date: 5/1/2023 9:10:00 AM

Lab ID: 2305347-004 Matrix: SOIL Received Date: 5/6/2023 8:45:00 AM

Analyses	Result	RL Qua	al Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS					Analyst: JTT
Chloride	210	60	mg/Kg	20	5/12/2023 2:46:19 PM

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

Qualifiers:

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

Page 4 of 53

Analytical Report

Lab Order **2305347**Date Reported: **5/16/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.

Client Sample ID: BH23-02 2.0'

Project: Dayton Recycle Release Collection Date: 5/1/2023 9:20:00 AM

Lab ID: 2305347-005 Matrix: SOIL Received Date: 5/6/2023 8:45:00 AM

Analyses	Result	RL Qua	l Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS					Analyst: JTT
Chloride	240	60	mg/Kg	20	5/12/2023 2:58:44 PM

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

Qualifiers:

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

Page 5 of 53

Analytical Report Lab Order 2305347

Date Reported: 5/16/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: BH23-02 4.0'

Dayton Recycle Release Collection Date: 5/1/2023 9:30:00 AM **Project:** Lab ID: 2305347-006 Matrix: SOIL Received Date: 5/6/2023 8:45:00 AM

Analyses	Result	RL Qua	l Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS					Analyst: JTT
Chloride	220	59	mg/Kg	20	5/12/2023 3:11:08 PM

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

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of standard limits. If undiluted results may be estimated.
- Analyte detected in the associated Method Blank
- Е Above Quantitation Range/Estimated Value
- Analyte detected below quantitation limits
- P
- Reporting Limit

Sample pH Not In Range Page 6 of 53

Date Reported: 5/16/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.

Client Sample ID: BH23-03 0.0'

Project:Dayton Recycle ReleaseCollection Date: 5/1/2023 9:40:00 AMLab ID:2305347-007Matrix: SOILReceived Date: 5/6/2023 8:45:00 AM

Analyses	Result	RL Qua	l Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS					Analyst: JTT
Chloride	ND	60	mg/Kg	20	5/12/2023 3:23:32 PM

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

Qualifiers:

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

Page 7 of 53

Lab Order **2305347**Date Reported: **5/16/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.

Client Sample ID: BH23-03 2.0'

Project: Dayton Recycle Release Collection Date: 5/1/2023 9:50:00 AM

Lab ID: 2305347-008 Matrix: SOIL Received Date: 5/6/2023 8:45:00 AM

Analyses	Result	RL Qua	ıl Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS					Analyst: JTT
Chloride	ND	60	mg/Kg	20	5/12/2023 3:35:57 PM

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

Qualifiers:

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

Page 8 of 53

Lab Order 2305347

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 5/16/2023

CLIENT: Vertex Resources Services, Inc. Client Sample ID: BH23-03 4.0'

 Project:
 Dayton Recycle Release
 Collection Date: 5/1/2023 10:00:00 AM

 Lab ID:
 2305347-009
 Matrix: SOIL
 Received Date: 5/6/2023 8:45:00 AM

Analyses	Result	RL Qua	ıl Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS					Analyst: JTT
Chloride	280	60	mg/Kg	20	5/12/2023 3:48:22 PM

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

Qualifiers:

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

Page 9 of 53

Lab Order **2305347**Date Reported: **5/16/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.

Client Sample ID: BH23-04 0.0'

Project:Dayton Recycle ReleaseCollection Date: 5/1/2023 10:10:00 AMLab ID:2305347-010Matrix: SOILReceived Date: 5/6/2023 8:45:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS					Analyst: JMT
Chloride	6000	300	mg/Kg	100	5/13/2023 4:11:04 PM

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

Qualifiers:

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

Page 10 of 53

Lab Order **2305347**Date Reported: **5/16/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.

Client Sample ID: BH23-04 2.0'

Project:Dayton Recycle ReleaseCollection Date: 5/1/2023 10:20:00 AMLab ID:2305347-011Matrix: SOILReceived Date: 5/6/2023 8:45:00 AM

Analyses	Result	RL Qua	al Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS					Analyst: JTT
Chloride	240	60	mg/Kg	20	5/13/2023 12:27:13 AM

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

Qualifiers:

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

Page 11 of 53

Date Reported: 5/16/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.

Client Sample ID: BH23-04 4.0'

 Project:
 Dayton Recycle Release
 Collection Date: 5/1/2023 10:30:00 AM

 Lab ID:
 2305347-012
 Matrix: SOIL
 Received Date: 5/6/2023 8:45:00 AM

Analyses	Result	RL Qua	l Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS					Analyst: JTT
Chloride	190	60	mg/Kg	20	5/13/2023 12:39:38 AM

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

Qualifiers:

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

Page 12 of 53

Lab Order 2305347

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 5/16/2023

CLIENT: Vertex Resources Services, Inc. Client Sample ID: BH23-05 0.0'

Project:Dayton Recycle ReleaseCollection Date: 5/2/2023 8:30:00 AMLab ID:2305347-013Matrix: SOILReceived Date: 5/6/2023 8:45:00 AM

Analyses	Result	RL Qua	ıl Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS					Analyst: JTT
Chloride	2200	60	mg/Kg	20	5/13/2023 12:52:02 AM

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

Qualifiers:

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

Page 13 of 53

Date Reported: 5/16/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.

Client Sample ID: BH23-05 2.0'

Project:Dayton Recycle ReleaseCollection Date: 5/2/2023 8:40:00 AMLab ID:2305347-014Matrix: SOILReceived Date: 5/6/2023 8:45:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analyst: PRD
Diesel Range Organics (DRO)	ND	9.9	mg/Kg	1	5/11/2023 10:14:54 PM
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	5/11/2023 10:14:54 PM
Surr: DNOP	70.7	69-147	%Rec	1	5/11/2023 10:14:54 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	5/11/2023 11:31:02 PM
Surr: BFB	76.7	15-244	%Rec	1	5/11/2023 11:31:02 PM
EPA METHOD 8021B: VOLATILES					Analyst: JJP
Benzene	ND	0.024	mg/Kg	1	5/11/2023 11:31:02 PM
Toluene	ND	0.047	mg/Kg	1	5/11/2023 11:31:02 PM
Ethylbenzene	ND	0.047	mg/Kg	1	5/11/2023 11:31:02 PM
Xylenes, Total	ND	0.094	mg/Kg	1	5/11/2023 11:31:02 PM
Surr: 4-Bromofluorobenzene	86.3	39.1-146	%Rec	1	5/11/2023 11:31:02 PM
EPA METHOD 300.0: ANIONS					Analyst: JTT
Chloride	410	59	mg/Kg	20	5/12/2023 3:20:43 PM

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

Qualifiers:

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

Page 14 of 53

Date Reported: 5/16/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.

Client Sample ID: BH23-05 4.0'

Project:Dayton Recycle ReleaseCollection Date: 5/2/2023 8:50:00 AMLab ID:2305347-015Matrix: SOILReceived Date: 5/6/2023 8:45:00 AM

Analyses	Result	RL Qua	l Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS					Analyst: JTT
Chloride	190	60	mg/Kg	20	5/12/2023 3:57:45 PM

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

Qualifiers:

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

Page 15 of 53

Date Reported: 5/16/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.

Client Sample ID: BH23-06 0.0'

Project:Dayton Recycle ReleaseCollection Date: 5/2/2023 9:00:00 AMLab ID:2305347-016Matrix: SOILReceived Date: 5/6/2023 8:45:00 AM

Analyses	Result	RL Qua	l Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS					Analyst: JTT
Chloride	ND	60	mg/Kg	20	5/12/2023 4:34:47 PM

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

Qualifiers:

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

Page 16 of 53

Date Reported: 5/16/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.

Client Sample ID: BH23-06 2.0'

Project:Dayton Recycle ReleaseCollection Date: 5/2/2023 9:10:00 AMLab ID:2305347-017Matrix: SOILReceived Date: 5/6/2023 8:45:00 AM

Analyses	Result	RL Qua	ıl Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS					Analyst: JTT
Chloride	ND	59	mg/Kg	20	5/12/2023 4:47:07 PM

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

Qualifiers:

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

Page 17 of 53

Lab Order 2305347

Date Reported: 5/16/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.

Client Sample ID: BH23-06 4.0'

Project: Dayton Recycle Release Collection Date: 5/2/2023 9:20:00 AM

Lab ID: 2305347-018 **Matrix:** SOIL **Received Date:** 5/6/2023 8:45:00 AM

Analyses	Result	RL Qua	ıl Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS					Analyst: JTT
Chloride	ND	59	mg/Kg	20	5/12/2023 5:24:09 PM

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

Qualifiers:

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

Page 18 of 53

Date Reported: 5/16/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.

Client Sample ID: BH23-07 0.0'

Project: Dayton Recycle Release Collection Date: 5/2/2023 9:30:00 AM

Lab ID: 2305347-019 Matrix: SOIL Received Date: 5/6/2023 8:45:00 AM

Analyses	Result	RL Qua	l Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS					Analyst: JMT
Chloride	5900	300	mg/Kg	100	5/13/2023 4:23:28 PM

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

Qualifiers:

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

Page 19 of 53

Lab Order **2305347**Date Reported: **5/16/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.

Client Sample ID: BH23-07 2.0'

Project:Dayton Recycle ReleaseCollection Date: 5/2/2023 9:40:00 AMLab ID:2305347-020Matrix: SOILReceived Date: 5/6/2023 8:45:00 AM

Analyses	Result	RL Qua	l Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS					Analyst: JTT
Chloride	ND	60	mg/Kg	20	5/12/2023 5:48:50 PM

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

Qualifiers:

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

Page 20 of 53

Lab Order **2305347**Date Reported: **5/16/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.

Client Sample ID: BH23-07 4.0'

Project:Dayton Recycle ReleaseCollection Date: 5/2/2023 9:50:00 AMLab ID:2305347-021Matrix: SOILReceived Date: 5/6/2023 8:45:00 AM

Analyses	Result	RL Qua	l Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS					Analyst: JTT
Chloride	ND	60	mg/Kg	20	5/12/2023 6:01:11 PM

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

Qualifiers:

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

Page 21 of 53

Lab Order **2305347**Date Reported: **5/16/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.

Client Sample ID: BH23-08 0.0'

 Project:
 Dayton Recycle Release
 Collection Date: 5/2/2023 10:00:00 AM

 Lab ID:
 2305347-022
 Matrix: SOIL
 Received Date: 5/6/2023 8:45:00 AM

Analyses	Result	RL Qua	al Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS					Analyst: JMT
Chloride	7500	300	mg/Kg	100	5/13/2023 4:35:52 PM

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

Qualifiers:

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

Page 22 of 53

Lab Order **2305347**

Date Reported: 5/16/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.

Client Sample ID: BH23-08 2.0'

Project:Dayton Recycle ReleaseCollection Date: 5/2/2023 10:10:00 AMLab ID:2305347-023Matrix: SOILReceived Date: 5/6/2023 8:45:00 AM

Analyses	Result	RL Qua	ıl Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS					Analyst: JTT
Chloride	88	60	mg/Kg	20	5/12/2023 6:25:53 PM

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

Qualifiers:

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

Page 23 of 53

Lab Order **2305347**

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 5/16/2023

CLIENT: Vertex Resources Services, Inc. Client Sample ID: BH23-08 4.0'

Project:Dayton Recycle ReleaseCollection Date: 5/2/2023 10:20:00 AMLab ID:2305347-024Matrix: SOILReceived Date: 5/6/2023 8:45:00 AM

Analyses	Result	RL Qua	al Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS					Analyst: JTT
Chloride	300	60	mg/Kg	20	5/12/2023 6:38:14 PM

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

Qualifiers:

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

Page 24 of 53

Lab Order **2305347**Date Reported: **5/16/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.

Client Sample ID: BH23-09 0.0'

 Project:
 Dayton Recycle Release
 Collection Date: 5/2/2023 10:30:00 AM

 Lab ID:
 2305347-025
 Matrix: SOIL
 Received Date: 5/6/2023 8:45:00 AM

Analyses	Result	RL Qua	al Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS					Analyst: JMT
Chloride	2100	150	mg/Kg	50	5/13/2023 4:48:16 PM

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

Qualifiers:

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

Page 25 of 53

Lab Order **2305347**

Date Reported: 5/16/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.

Client Sample ID: BH23-09 2.0'

Project: Dayton Recycle Release Collection Date: 5/2/2023 10:40:00 AM

Lab ID: 2305347-026 Matrix: SOIL Received Date: 5/6/2023 8:45:00 AM

 Analyses
 Result
 RL
 Qual
 Units
 DF
 Date Analyzed

 EPA METHOD 300.0: ANIONS
 Analyst: JTT

 Chloride
 ND
 60
 mg/Kg
 20
 5/12/2023 7:02:55 PM

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

Qualifiers:

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

Page 26 of 53

Lab Order **2305347**Date Reported: **5/16/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.

Client Sample ID: BH23-09 4.0'

 Project:
 Dayton Recycle Release
 Collection Date: 5/2/2023 10:50:00 AM

 Lab ID:
 2305347-027
 Matrix: SOIL
 Received Date: 5/6/2023 8:45:00 AM

Analyses	Result	RL Qua	l Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS					Analyst: JTT
Chloride	ND	60	mg/Kg	20	5/12/2023 7:15:16 PM

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

Qualifiers:

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

Page 27 of 53

Date Reported: 5/16/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.

Client Sample ID: BH23-10 0.0'

Project:Dayton Recycle ReleaseCollection Date: 5/3/2023 9:00:00 AMLab ID:2305347-028Matrix: SOILReceived Date: 5/6/2023 8:45:00 AM

Analyses	Result	RL Qua	al Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS					Analyst: JMT
Chloride	2800	150	mg/Kg	50	5/13/2023 5:25:30 PM

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

Qualifiers:

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

Page 28 of 53

Date Reported: 5/16/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: BH23-10 2.0'

Project:Dayton Recycle ReleaseCollection Date: 5/3/2023 9:10:00 AMLab ID:2305347-029Matrix: SOILReceived Date: 5/6/2023 8:45:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analyst: PRD
Diesel Range Organics (DRO)	ND	9.8	mg/Kg	1	5/11/2023 10:25:47 PM
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	5/11/2023 10:25:47 PM
Surr: DNOP	96.6	69-147	%Rec	1	5/11/2023 10:25:47 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	5/12/2023 12:40:54 AM
Surr: BFB	72.5	15-244	%Rec	1	5/12/2023 12:40:54 AM
EPA METHOD 8021B: VOLATILES					Analyst: JJP
Benzene	ND	0.024	mg/Kg	1	5/12/2023 12:40:54 AM
Toluene	ND	0.049	mg/Kg	1	5/12/2023 12:40:54 AM
Ethylbenzene	ND	0.049	mg/Kg	1	5/12/2023 12:40:54 AM
Xylenes, Total	ND	0.098	mg/Kg	1	5/12/2023 12:40:54 AM
Surr: 4-Bromofluorobenzene	85.2	39.1-146	%Rec	1	5/12/2023 12:40:54 AM
EPA METHOD 300.0: ANIONS					Analyst: JTT
Chloride	97	60	mg/Kg	20	5/12/2023 8:04:40 PM

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

Qualifiers:

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

Page 29 of 53

Date Reported: 5/16/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.

Client Sample ID: BH23-10 4.0'

Project: Dayton Recycle Release Collection Date: 5/3/2023 9:20:00 AM

Lab ID: 2305347-030 Matrix: SOIL Received Date: 5/6/2023 8:45:00 AM

Analyses	Result	RL Qua	ıl Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS					Analyst: JTT
Chloride	ND	60	mg/Kg	20	5/12/2023 8:17:01 PM

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

Qualifiers:

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

Page 30 of 53

Date Reported: 5/16/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.

Client Sample ID: BH23-11 0.0'

Project:Dayton Recycle ReleaseCollection Date: 5/3/2023 9:30:00 AMLab ID:2305347-031Matrix: SOILReceived Date: 5/6/2023 8:45:00 AM

Analyses	Result	RL Qua	al Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS					Analyst: JMT
Chloride	4400	150	mg/Kg	50	5/13/2023 5:37:55 PM

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

Qualifiers:

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

Page 31 of 53

Lab Order **2305347**Date Reported: **5/16/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.

Client Sample ID: BH23-11 2.0'

Project:Dayton Recycle ReleaseCollection Date: 5/3/2023 9:40:00 AMLab ID:2305347-032Matrix: SOILReceived Date: 5/6/2023 8:45:00 AM

Analyses	Result	RL Qua	ıl Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS					Analyst: JTT
Chloride	ND	60	mg/Kg	20	5/12/2023 8:41:42 PM

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

Qualifiers:

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

Page 32 of 53

Date Reported: 5/16/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: BH23-11 4.0'

Project:Dayton Recycle ReleaseCollection Date: 5/3/2023 9:50:00 AMLab ID:2305347-033Matrix: SOILReceived Date: 5/6/2023 8:45:00 AM

Analyses	Result	RL Qua	l Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS					Analyst: JTT
Chloride	ND	59	mg/Kg	20	5/12/2023 8:54:03 PM

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

Qualifiers:

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

Page 33 of 53

Lab Order **2305347**Date Reported: **5/16/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.

Client Sample ID: BH23-12 0.0'

 Project:
 Dayton Recycle Release
 Collection Date: 5/3/2023 10:00:00 AM

 Lab ID:
 2305347-034
 Matrix: SOIL
 Received Date: 5/6/2023 8:45:00 AM

Analyses	Result	RL Qua	ıl Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS					Analyst: JTT
Chloride	2300	60	mg/Kg	20	5/12/2023 4:38:00 PM

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

Qualifiers:

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

Page 34 of 53

Date Reported: 5/16/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.

Client Sample ID: BH23-12 2.0'

 Project:
 Dayton Recycle Release
 Collection Date: 5/3/2023 10:10:00 AM

 Lab ID:
 2305347-035
 Matrix: SOIL
 Received Date: 5/6/2023 8:45:00 AM

Analyses	Result	RL Qua	l Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS					Analyst: JTT
Chloride	ND	60	mg/Kg	20	5/12/2023 5:40:02 PM

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

Qualifiers:

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

Page 35 of 53

Date Reported: 5/16/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.

Client Sample ID: BH23-12 4.0'

Project:Dayton Recycle ReleaseCollection Date: 5/3/2023 10:20:00 AMLab ID:2305347-036Matrix: SOILReceived Date: 5/6/2023 8:45:00 AM

Analyses	Result	RL Qua	al Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS					Analyst: JTT
Chloride	ND	60	mg/Kg	20	5/12/2023 6:17:16 PM

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

Qualifiers:

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

Page 36 of 53

Lab Order **2305347**Date Reported: **5/16/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.

Client Sample ID: BH23-13 0.0'

 Project:
 Dayton Recycle Release
 Collection Date: 5/3/2023 10:30:00 AM

 Lab ID:
 2305347-037
 Matrix: SOIL
 Received Date: 5/6/2023 8:45:00 AM

Analyses	Result	RL Qua	al Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS					Analyst: JMT
Chloride	2600	150	mg/Kg	50	5/13/2023 5:50:20 PM

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

Qualifiers:

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

Page 37 of 53

Lab Order **2305347**

Date Reported: 5/16/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.

Client Sample ID: BH23-13 2.0'

Project:Dayton Recycle ReleaseCollection Date: 5/3/2023 10:40:00 AMLab ID:2305347-038Matrix: SOILReceived Date: 5/6/2023 8:45:00 AM

Analyses	Result	RL Qua	l Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS					Analyst: JTT
Chloride	220	60	mg/Kg	20	5/12/2023 6:42:05 PM

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

Qualifiers:

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

Page 38 of 53

Lab Order **2305347**Date Reported: **5/16/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.

Client Sample ID: BH23-13 4.0'

 Project:
 Dayton Recycle Release
 Collection Date: 5/3/2023 10:50:00 AM

 Lab ID:
 2305347-039
 Matrix: SOIL
 Received Date: 5/6/2023 8:45:00 AM

Analyses	Result	RL Qua	l Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS					Analyst: JTT
Chloride	270	60	mg/Kg	20	5/12/2023 6:54:29 PM

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

Qualifiers:

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

Page 39 of 53

Date Reported: 5/16/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.

Client Sample ID: BH23-14 0.0'

 Project:
 Dayton Recycle Release
 Collection Date: 5/3/2023 11:00:00 AM

 Lab ID:
 2305347-040
 Matrix: SOIL
 Received Date: 5/6/2023 8:45:00 AM

Analyses	Result	RL Qua	l Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS					Analyst: JTT
Chloride	1400	60	mg/Kg	20	5/12/2023 7:06:53 PM

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

Qualifiers:

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

Page 40 of 53

Date Reported: 5/16/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.

Client Sample ID: BH23-14 2.0'

Project:Dayton Recycle ReleaseCollection Date: 5/3/2023 11:10:00 AMLab ID:2305347-041Matrix: SOILReceived Date: 5/6/2023 8:45:00 AM

Analyses	Result	RL Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS					Analyst: JTT
Chloride	ND	60	mg/Kg	20	5/12/2023 7:44:07 PM

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

Qualifiers:

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

Page 41 of 53

Date Reported: 5/16/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.

Client Sample ID: BH23-14 4.0'

Project:Dayton Recycle ReleaseCollection Date: 5/3/2023 11:20:00 AMLab ID:2305347-042Matrix: SOILReceived Date: 5/6/2023 8:45:00 AM

Analyses	Result	RL Qua	al Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS					Analyst: JTT
Chloride	65	60	mg/Kg	20	5/12/2023 7:56:32 PM

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

Qualifiers:

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

Page 42 of 53

Analytical Report

Lab Order **2305347**Date Reported: **5/16/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.

Client Sample ID: BH23-15 0.0'

Project:Dayton Recycle ReleaseCollection Date: 5/3/2023 11:30:00 AMLab ID:2305347-043Matrix: SOILReceived Date: 5/6/2023 8:45:00 AM

Analyses	Result	RL Qua	ıl Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS					Analyst: JTT
Chloride	590	60	mg/Kg	20	5/12/2023 8:08:56 PM

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

Qualifiers:

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

Page 43 of 53

Analytical Report

Lab Order **2305347**Date Reported: **5/16/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.

Client Sample ID: BH23-15 2.0'

Project:Dayton Recycle ReleaseCollection Date: 5/3/2023 11:40:00 AMLab ID:2305347-044Matrix: SOILReceived Date: 5/6/2023 8:45:00 AM

Analyses	Result	RL Qua	al Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS					Analyst: JTT
Chloride	330	60	mg/Kg	20	5/12/2023 8:21:20 PM

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

Qualifiers:

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

Page 44 of 53

Date Reported: 5/16/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.

Client Sample ID: BH23-15 4.0'

Project:Dayton Recycle ReleaseCollection Date: 5/3/2023 11:50:00 AMLab ID:2305347-045Matrix: SOILReceived Date: 5/6/2023 8:45:00 AM

Analyses	Result	RL Qua	al Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS					Analyst: JTT
Chloride	210	60	mg/Kg	20	5/12/2023 8:33:44 PM

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

Qualifiers:

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

Page 45 of 53

Analytical Report

Lab Order **2305347**Date Reported: **5/16/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.

Client Sample ID: BH23-16 0.0'

Project:Dayton Recycle ReleaseCollection Date: 5/3/2023 12:00:00 PMLab ID:2305347-046Matrix: SOILReceived Date: 5/6/2023 8:45:00 AM

Analyses	Result	RL Qua	l Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS					Analyst: JTT
Chloride	ND	61	mg/Kg	20	5/12/2023 8:46:09 PM

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

Qualifiers:

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

Page 46 of 53

Date Reported: 5/16/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: BH23-16 2.0'

Project:Dayton Recycle ReleaseCollection Date: 5/3/2023 12:10:00 PMLab ID:2305347-047Matrix: SOILReceived Date: 5/6/2023 8:45:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analyst: PRD
Diesel Range Organics (DRO)	ND	9.6	mg/Kg	1	5/11/2023 10:36:38 PM
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	5/11/2023 10:36:38 PM
Surr: DNOP	72.0	69-147	%Rec	1	5/11/2023 10:36:38 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: JJP
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	5/12/2023 1:04:17 AM
Surr: BFB	65.4	15-244	%Rec	1	5/12/2023 1:04:17 AM
EPA METHOD 8021B: VOLATILES					Analyst: JJP
Benzene	ND	0.025	mg/Kg	1	5/12/2023 1:04:17 AM
Toluene	ND	0.050	mg/Kg	1	5/12/2023 1:04:17 AM
Ethylbenzene	ND	0.050	mg/Kg	1	5/12/2023 1:04:17 AM
Xylenes, Total	ND	0.099	mg/Kg	1	5/12/2023 1:04:17 AM
Surr: 4-Bromofluorobenzene	83.1	39.1-146	%Rec	1	5/12/2023 1:04:17 AM
EPA METHOD 300.0: ANIONS					Analyst: JTT
Chloride	860	60	mg/Kg	20	5/12/2023 8:58:33 PM

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

Qualifiers:

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

Page 47 of 53

Analytical Report

Lab Order **2305347**Date Reported: **5/16/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: BH23-16 4.0'

Project: Dayton Recycle Release Collection Date: 5/3/2023 12:20:00 PM
Lab ID: 2305347-048 Matrix: SOIL Received Date: 5/6/2023 8:45:00 AM

Analyses	Result	RL Qua	al Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS					Analyst: JTT
Chloride	380	60	mg/Kg	20	5/12/2023 9:10:58 PM

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

Qualifiers:

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

Page 48 of 53

Hall Environmental Analysis Laboratory, Inc.

2305347 16-May-23

WO#·

Client: Vertex Resources Services, Inc.

Project: Dayton Recycle Release

SampType: mblk Client ID: **PBS** Batch ID: 74909 RunNo: 96704

Prep Date: Analysis Date: 5/11/2023 SeqNo: 3506836 5/11/2023 Units: mq/Kq

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

TestCode: EPA Method 300.0: Anions

Chloride ND 1.5

Sample ID: MB-74909

Sample ID: LCS-74909 TestCode: EPA Method 300.0: Anions SampType: Ics

Client ID: LCSS Batch ID: 74909 RunNo: 96704

Analysis Date: 5/11/2023 SeqNo: 3506837 Prep Date: 5/11/2023 Units: mg/Kg

SPK value SPK Ref Val %REC %RPD **RPDLimit** Analyte Result POI I owl imit HighLimit Qual

Chloride 14 15.00 93.5 90 1.5

Sample ID: MB-74926 SampType: MBLK TestCode: EPA Method 300.0: Anions

RunNo: 96731 Client ID: PRS Batch ID: 74926

Prep Date: 5/12/2023 Analysis Date: 5/12/2023 SeqNo: 3507659 Units: mg/Kg

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

Chloride ND 1.5

Sample ID: LCS-74926 SampType: LCS TestCode: EPA Method 300.0: Anions

Client ID: LCSS Batch ID: 74926 RunNo: 96731

Prep Date: 5/12/2023 Analysis Date: 5/12/2023 SeqNo: 3507660 Units: mg/Kg

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

Chloride 15.00

Sample ID: MB-74915 SampType: MBLK TestCode: EPA Method 300.0: Anions

Batch ID: 74915 Client ID: PRS RunNo: 96724

Analysis Date: 5/12/2023 Units: mg/Kg Prep Date: SeqNo: 3507829 5/12/2023

Analyte Result **PQL** SPK value SPK Ref Val %REC I owl imit HighLimit %RPD **RPDLimit** Qual

Chloride ND 1.5

Sample ID: LCS-74915 SampType: LCS TestCode: EPA Method 300.0: Anions

Client ID: LCSS Batch ID: 74915 RunNo: 96724

Prep Date: 5/12/2023 Analysis Date: 5/12/2023 SeqNo: 3507830 Units: mq/Kq

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

Chloride 14 1.5 15.00 91.8 90 110

Qualifiers:

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

Page 49 of 53

Hall Environmental Analysis Laboratory, Inc.

WO#: **2305347** *16-May-23*

Client: Vertex Resources Services, Inc.

Project: Dayton Recycle Release

Sample ID: MB-74927 SampType: MBLK TestCode: EPA Method 300.0: Anions

Client ID: PBS Batch ID: 74927 RunNo: 96724

Prep Date: 5/12/2023 Analysis Date: 5/12/2023 SeqNo: 3507859 Units: mg/Kg

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

Chloride ND 1.5

Sample ID: LCS-74927 SampType: LCS TestCode: EPA Method 300.0: Anions

Client ID: LCSS Batch ID: 74927 RunNo: 96724

Prep Date: 5/12/2023 Analysis Date: 5/12/2023 SeqNo: 3507860 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-74919 SampType: MBLK TestCode: EPA Method 300.0: Anions

Client ID: **PBS** Batch ID: **74919** RunNo: **96710**

Prep Date: 5/12/2023 Analysis Date: 5/12/2023 SeqNo: 3507984 Units: mg/Kg

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

Chloride ND 1.5

Sample ID: LCS-74919 SampType: LCS TestCode: EPA Method 300.0: Anions

Client ID: LCSS Batch ID: 74919 RunNo: 96710

Prep Date: 5/12/2023 Analysis Date: 5/12/2023 SeqNo: 3507985 Units: mg/Kg

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

Chloride 14 1.5 15.00 0 90.9 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 Quanitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 50 of 53

Hall Environmental Analysis Laboratory, Inc.

WO#: **2305347**

16-May-23

Client: Vertex Resources Services, Inc.

Project: Dayton Recycle Release

Sample ID:	2305347-003AMS	SampT	уре: МЅ	•	TestCode: EPA Method 8015M/D: Diesel Range Organics						
Client ID:	BH23-01 2.0'	Batch	Batch ID: 74874 RunNo: 96702								
Prep Date:	5/10/2023	Analysis D	ate: 5/	12/2023	SeqNo: 3506773 Units: mg/Kg						
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range C	Organics (DRO)	41	9.8	48.78	0	84.6	54.2	135			
Surr: DNOP		3.2		4.878		65.9	69	147			S

Sample ID: 2305347-003A	MSD SampT	SampType: MSD TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: BH23-01 2.0'	Batch	n ID: 748	374	F	RunNo: 90	6702				
Prep Date: 5/10/2023	Analysis D	oate: 5/ °	12/2023	5	SeqNo: 3	506774	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	43	9.8	49.12	0	86.9	54.2	135	3.40	29.2	
Surr: DNOP	2.9		4.912		58.9	69	147	0	0	S

Sample ID: LCS-74874	SampT	ype: LC	S	Tes	TestCode: EPA Method 8015M/D: Diesel Range Organics						
Client ID: LCSS	Batch	1D: 74 8	374	F	RunNo: 90	6702					
Prep Date: 5/10/2023	Analysis D	ate: 5/	11/2023	5	SeqNo: 3	506800	Units: mg/K	(g			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Diesel Range Organics (DRO)	44	10	50.00	0	88.4	61.9	130				
Surr: DNOP	4.9		5.000		97.4	69	147				

Sample ID: MB-74874	SampT	SampType: MBLK TestCode: EPA Method 8015M/D: Diesel Range Or							Organics	
Client ID: PBS	Batch	n ID: 748	374	F	RunNo: 90	6702				
Prep Date: 5/10/2023	Analysis D	ate: 5/	11/2023	5	SeqNo: 3	506803	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	10		10.00		102	69	147			

Qualifiers:

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

Page 51 of 53

Hall Environmental Analysis Laboratory, Inc.

SampType: MBLK

WO#: 2305347 16-May-23

Client: Vertex Resources Services, Inc.

Project: Dayton Recycle Release

Sample ID: mb-74864

Sample ID: Ics-74864	SampT	ype: LC	s	Tes	tCode: EF					
Client ID: LCSS	Batch	Batch ID: 74864 RunNo: 96676								
Prep Date: 5/10/2023	Analysis D	ate: 5/	11/2023	5	SeqNo: 35	506809	Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	21	5.0	25.00	0	82.4	70	130			
Surr: BFB	5000		1000		503	15	244			S

Client ID: PBS	Batch	ID: 748	364	F	RunNo: 96	6676				
Prep Date: 5/10/2023	Analysis D	ate: 5/	11/2023	5	SeqNo: 3	506810	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	760		1000		75.7	15	244			

TestCode: EPA Method 8015D: Gasoline Range

Sample ID: 2305347-003ams	Samp	Гуре: МЅ	5	Tes	tCode: El	PA Method	8015D: Gaso	line Range)	
Client ID: BH23-01 2.0'	Batcl	h ID: 74 8	364	F	RunNo: 90	6676				
Prep Date: 5/10/2023	Analysis [Date: 5/	11/2023	9	SeqNo: 3	506812	Units: mg/K	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	22	4.9	24.39	0	91.6	70	130			
Surr: BFB	5200		975.6		532	15	244			S

Sample ID: 2305347-003ams	d Samp1	уре: М S	SD	Tes	tCode: EF	PA Method	8015D: Gaso	ine Range	•		
Client ID: BH23-01 2.0'	Batcl	n ID: 74 8	364	F	RunNo: 96	6676					
Prep Date: 5/10/2023	Analysis D	Date: 5/ *	11/2023	5	SeqNo: 35	506813	Units: mg/K	g			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Gasoline Range Organics (GRO)	22	4.9	24.41	0	91.7	70	130	0.185	20		
Surr: BFB	5200		976.6		528	15	244	0	0	S	

Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

Holding times for preparation or analysis exceeded

Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

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

Analyte detected in the associated Method Blank

Above Quantitation Range/Estimated Value

Analyte detected below quantitation limits

Sample pH Not In Range

Reporting Limit RL

Page 52 of 53

Hall Environmental Analysis Laboratory, Inc.

WO#: **2305347**

16-May-23

Client: Vertex Resources Services, Inc.

Project: Dayton Recycle Release

Sample ID: LCS-74864	SampT	ype: LC :	S	Tes	tCode: EF	PA Method	8021B: Volati	les		
Client ID: LCSS	Batch	n ID: 748	364	F	RunNo: 90	6676				
Prep Date: 5/10/2023	Analysis D	ate: 5/ 1	11/2023	5	SeqNo: 3	506872	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.78	0.025	1.000	0	77.9	70	130			
Toluene	0.81	0.050	1.000	0	81.0	70	130			
Ethylbenzene	0.81	0.050	1.000	0	81.4	70	130			
Xylenes, Total	2.5	0.10	3.000	0	81.8	70	130			
Surr: 4-Bromofluorobenzene	0.87		1.000		87.0	39.1	146			

Sample ID: mb-74864	Samp1	уре: МЕ	BLK	Tes	tCode: EF	PA Method	8021B: Volati	les		
Client ID: PBS	Batcl	n ID: 74 8	364	F	RunNo: 90	5676				
Prep Date: 5/10/2023	Analysis [Date: 5/ *	11/2023	5	SeqNo: 3	506873	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025		_			<u>, </u>	<u> </u>	<u>, </u>	
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.86		1.000		85.8	39.1	146			

Sample ID: 2305347-014ams	Samp	Гуре: МS	;	Tes	tCode: EF	PA Method	8021B: Volati	les		
Client ID: BH23-05 2.0'	Batcl	h ID: 748	364	F	RunNo: 90	6676				
Prep Date: 5/10/2023	Analysis [Date: 5/	11/2023	5	SeqNo: 3	506876	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.84	0.024	0.9416	0	88.7	70	130			
Toluene	0.89	0.047	0.9416	0.01575	92.7	70	130			
Ethylbenzene	0.91	0.047	0.9416	0	97.0	70	130			
Xylenes, Total	2.8	0.094	2.825	0	98.0	70	130			
Surr: 4-Bromofluorobenzene	0.82		0.9416		87.2	39.1	146			

Sample ID: 2305347-014amsd	Samp	Гуре: МЅ	SD.	Tes	tCode: EF	PA Method	8021B: Volati	iles		
Client ID: BH23-05 2.0'	Batc	h ID: 74 8	364	F	RunNo: 90	6676				
Prep Date: 5/10/2023	Analysis [Date: 5/ *	12/2023	5	SeqNo: 3	506877	Units: mg/K	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.81	0.024	0.9425	0	85.8	70	130	3.27	20	
Toluene	0.85	0.047	0.9425	0.01575	89.0	70	130	3.86	20	
Ethylbenzene	0.88	0.047	0.9425	0	93.6	70	130	3.52	20	
Xylenes, Total	2.7	0.094	2.828	0	94.0	70	130	4.08	20	
Surr: 4-Bromofluorobenzene	0.82		0.9425		87.5	39.1	146	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 Quanitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 53 of 53



Hall Environmental Analysis Laboratory 4901 Hawkins NE

Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107

Website: www.hallenvironmental.com

Sample Log-In Check List

Released to Imaging: 3/18/2024 3:12:53 PM

		——————————————————————————————————————	allenvironment	ai.com		
	Resources es, Inc.	Work Order Number	: 2305347		RcptNo: 1	
Received By: Chey	enne Cason	5/6/2023 8:45:00 AM		Chul		
Completed By: Chey	enne Cason	5/6/2023 8:56:31 AM		Chenl		
Reviewed By: 1 5	ी <u>ष</u> 3					
Chain of Custody			_			
1. Is Chain of Custody of	complete?		Yes 🗌	No 🗹	Not Present	
2. How was the sample	delivered?		Courier			
<u>Log In</u> 3. Was an attempt made	e to cool the sample	es?	Yes 🗹	No 🗌	na 🗆	
4. Were all samples rece	eived at a temperati	ure of >0° C to 6.0°C	Yes 🗹	No 🗌	na 🗆	
5. Sample(s) in proper of	ontainer(s)?		Yes 🗹	No 🗌		
6. Sufficient sample volu	me for indicated tes	st(s)?	Yes 🗹	No 🗌		
7. Are samples (except \	/OA and ONG) prop	perly preserved?	Yes 🗹	No 🗌		
8. Was preservative add	ed to bottles?		Yes 🗌	No 🗹	NA 🗌	
9. Received at least 1 via	al with headspace <	1/4" for AQ VOA?	Yes 🗌	No 🗌	NA 🗹	
10. Were any sample cor	ntainers received bro	oken?	Yes \square	No 🗹	# of preserved	
11. Does paperwork mate (Note discrepancies o			Yes 🗹	No 🗆	bottles checked for pH:	unless noted)
12 Are matrices correctly		of Custody?	Yes 🗹	No 🗆	Adjusted?	
13. Is it clear what analys	es were requested?		Yes 🗹	No 🗆		,
14. Were all holding times (If no, notify customer			Yes 🗹	No 🗆	Checked by:	C 5/6/2
Special Handling (if	applicable)					
15. Was client notified of	all discrepancies w	ith this order?	Yes 🗌	No 🗆	NA 🗹	
Person Notified		Date:		- 0···		
By Whom:	The state of the s	Via:	eMail	Phone Fax	☐ In Person	
Regarding:	Thereses,					
Client Instruction	ons:					
16. Additional remarks:						
	ess or Phone numbe	er on COC				
17. Cooler Information		Cool late at 10, 111	Cool Det	Cine ed D		
Cooler No Tem	p °C Condition Good	Seal Intact Seal No Not Present Yogi	Seal Date	Signed By		
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);;	Sample Name		Container Type and #	Preservative Type	7205347	(3T8	:H9T 1808	ED8	PAH: RCR	CI, F	8260	DYS8 stoT	201		
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Chain-of-Custody Record	Client: Silverbuck	/			Phone #:	email or Fax#:	QA/QC Package:	Standard	Accreditation: Az Compliance NELAC Other	□ EDD (Type)			Date Time Matrix Sample Name	5-2-23 CB30 So, (BH23-05 0.0				2423-96	BH23-66		18423-07	7			1 BY23-08	Relinquish		Date: Time: Relinquished by:	

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		21			Cooler Temp(Including CF)	(including CF) &	8-0=58 (°C)			(Meth						
Date	Time	Matrix	Sample Name	a.	Container Type and #	Preservative Type	HEAL No. 2305347	хэта	3:H9T 1808	EDB	eHA9 ADA	Cl' E'	8260 0728	Total		
5333	1030	500	BH23-13	0.0	402	LOE	0.37					X	3			
	0401	_	8423-13	2.0			038			7		X	_	- 2		
	1050		8423-13	4.0			0.39				20	X	1			
	0011	No.	1423-14	0.0			040					X				
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Released to Imaging: 3/18/2024 3:12:53 PM



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

May 17, 2023

Michael Novak Vertex Resources Services, Inc. 3101 Boyd Drive Carlsbad, NM 88220 TEL: (505) 506-0040

FAX:

RE: Dayton Recycle Release OrderNo.: 2305404

Dear Michael Novak:

Hall Environmental Analysis Laboratory received 36 sample(s) on 5/9/2023 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

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

Sincerely,

Andy Freeman

Laboratory Manager

Indes

4901 Hawkins NE

Albuquerque, NM 87109

Date Reported: 5/17/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: BH23-17 0.0'

Project:Dayton Recycle ReleaseCollection Date: 5/5/2023 9:00:00 AMLab ID:2305404-001Matrix: SOILReceived Date: 5/9/2023 7:39:00 AM

Analyses	Result	RL Qua	al Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS					Analyst: JTT
Chloride	71	60	mg/Kg	20	5/13/2023 4:12:54 AM

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

Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

QL Practical Quanitative Limit

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

B Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Page 1 of 40

Date Reported: 5/17/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: BH23-17 2.0'

Project: Dayton Recycle Release Collection Date: 5/5/2023 9:10:00 AM

Lab ID: 2305404-002 Matrix: SOIL Received Date: 5/9/2023 7:39:00 AM

Analyses	Result	RL Qua	al Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS					Analyst: JTT
Chloride	ND	60	mg/Kg	20	5/13/2023 4:25:18 AM

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

Qualifiers:

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

ple pH Not In Range
outing Limit Page 2 of 40

Date Reported: 5/17/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: BH23-17 4.0'

Project: Dayton Recycle Release Collection Date: 5/5/2023 9:20:00 AM

Lab ID: 2305404-003 Matrix: SOIL Received Date: 5/9/2023 7:39:00 AM

Analyses	Result	RL Qua	al Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS					Analyst: JTT
Chloride	ND	60	mg/Kg	20	5/13/2023 4:37:43 AM

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

Qualifiers:

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

Page 3 of 40

Date Reported: 5/17/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: BH23-18 0.0'

Project: Dayton Recycle Release **Collection Date:** 5/5/2023 9:30:00 AM 2305404-004 Lab ID: Matrix: SOIL Received Date: 5/9/2023 7:39:00 AM

Analyses	Result	RL Qua	al Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS					Analyst: JMT
Chloride	4800	150	mg/Kg	50	5/13/2023 6:52:24 PM

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

Qualifiers:

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

Page 4 of 40

Date Reported: 5/17/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.

Client Sample ID: BH23-18 2.0'

Project: Dayton Recycle Release Collection Date: 5/5/2023 9:40:00 AM

Lab ID: 2305404-005 Matrix: SOIL Received Date: 5/9/2023 7:39:00 AM

 Analyses
 Result
 RL Qual Units
 DF
 Date Analyzed

 EPA METHOD 300.0: ANIONS
 Analyst: SNS

 Chloride
 ND
 60
 mg/Kg
 20
 5/15/2023 11:17:17 AM

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

Qualifiers:

* Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

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

B Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Page 5 of 40

Date Reported: 5/17/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: BH23-18 4.0'

Project: Dayton Recycle Release Collection Date: 5/5/2023 9:50:00 AM

Lab ID: 2305404-006 Matrix: SOIL Received Date: 5/9/2023 7:39:00 AM

Analyses	Result	RL Qua	al Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS					Analyst: SNS
Chloride	ND	60	mg/Kg	20	5/15/2023 11:54:30 AM

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

Qualifiers:

* Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

QL Practical Quanitative Limit

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

B Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

ple pH Not In Range
Orting Limit
Page 6 of 40

Date Reported: 5/17/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: BH23-19 0.0'

Project:Dayton Recycle ReleaseCollection Date: 5/5/2023 10:00:00 AMLab ID:2305404-007Matrix: SOILReceived Date: 5/9/2023 7:39:00 AM

Analyses	Result	RL Qua	al Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS					Analyst: SNS
Chloride	ND	60	mg/Kg	20	5/15/2023 12:56:30 PM

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

Qualifiers:

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

orting Limit Page 7 of 40

Date Reported: 5/17/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: BH23-19 2.0'

Project: Dayton Recycle Release Collection Date: 5/5/2023 10:10:00 AM

Lab ID: 2305404-008 Matrix: SOIL Received Date: 5/9/2023 7:39:00 AM

Analyses	Result	RL Qua	al Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS					Analyst: SNS
Chloride	230	60	mg/Kg	20	5/15/2023 1:08:55 PM

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

Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

QL Practical Quanitative Limit

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

B Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Page 8 of 40

Date Reported: 5/17/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.

Client Sample ID: BH23-19 4.0'

Project:Dayton Recycle ReleaseCollection Date: 5/5/2023 10:20:00 AMLab ID:2305404-009Matrix: SOILReceived Date: 5/9/2023 7:39:00 AM

 Analyses
 Result
 RL
 Qual
 Units
 DF
 Date Analyzed

 EPA METHOD 300.0: ANIONS
 Analyst: SNS

 Chloride
 180
 60
 mg/Kg
 20
 5/15/2023 1:21:19 PM

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

Qualifiers:

* Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

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

B Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Page 9 of 40

Date Reported: 5/17/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: BH23-20 0.0'

Project:Dayton Recycle ReleaseCollection Date: 5/5/2023 10:30:00 AMLab ID:2305404-010Matrix: SOILReceived Date: 5/9/2023 7:39:00 AM

Analyses	Result	RL Qua	al Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS					Analyst: SNS
Chloride	ND	60	mg/Kg	20	5/15/2023 1:33:44 PM

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

Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

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

B Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Page 10 of 40

Date Reported: 5/17/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.

Client Sample ID: BH23-20 2.0'

Project:Dayton Recycle ReleaseCollection Date: 5/5/2023 10:40:00 AMLab ID:2305404-011Matrix: SOILReceived Date: 5/9/2023 7:39:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE C		Analyst: PRD			
Diesel Range Organics (DRO)	ND	9.7	mg/Kg	1	5/12/2023 12:45:37 AM
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	5/12/2023 12:45:37 AM
Surr: DNOP	92.0	69-147	%Rec	1	5/12/2023 12:45:37 AM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	5/12/2023 6:33:22 AM
Surr: BFB	71.4	15-244	%Rec	1	5/12/2023 6:33:22 AM
EPA METHOD 8021B: VOLATILES					Analyst: JJP
Benzene	ND	0.025	mg/Kg	1	5/12/2023 6:33:22 AM
Toluene	ND	0.049	mg/Kg	1	5/12/2023 6:33:22 AM
Ethylbenzene	ND	0.049	mg/Kg	1	5/12/2023 6:33:22 AM
Xylenes, Total	ND	0.098	mg/Kg	1	5/12/2023 6:33:22 AM
Surr: 4-Bromofluorobenzene	84.0	39.1-146	%Rec	1	5/12/2023 6:33:22 AM
EPA METHOD 300.0: ANIONS					Analyst: SNS
Chloride	ND	60	mg/Kg	20	5/15/2023 1:46:08 PM

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

Qualifiers:

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

Page 11 of 40

Date Reported: 5/17/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: BH23-20 4.0'

Project:Dayton Recycle ReleaseCollection Date: 5/5/2023 10:50:00 AMLab ID:2305404-012Matrix: SOILReceived Date: 5/9/2023 7:39:00 AM

Analyses	Result	RL Qua	al Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS					Analyst: SNS
Chloride	ND	60	mg/Kg	20	5/15/2023 1:58:32 PM

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

Qualifiers:

* Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

QL Practical Quanitative Limit

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

B Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Page 12 of 40

Date Reported: 5/17/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: BH23-21 0.0'

Project: Dayton Recycle Release **Collection Date:** 5/6/2023 9:00:00 AM Lab ID: 2305404-013 Matrix: SOIL Received Date: 5/9/2023 7:39:00 AM

Analyses Result **RL Qual Units** DF **Date Analyzed EPA METHOD 300.0: ANIONS** Analyst: NAI Chloride 4900 300 5/16/2023 11:36:43 AM mg/Kg 100

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

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- Practical Quanitative Limit
- % Recovery outside of standard limits. If undiluted results may be estimated.
- Analyte detected in the associated Method Blank
- Ε Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- RL
- Sample pH Not In Range Page 13 of 40 Reporting Limit

Date Reported: 5/17/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: BH23-21 2.0'

Project: Dayton Recycle Release Collection Date: 5/6/2023 9:10:00 AM

Lab ID: 2305404-014 Matrix: SOIL Received Date: 5/9/2023 7:39:00 AM

Analyses	Result	RL Qua	al Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS					Analyst: SNS
Chloride	ND	60	mg/Kg	20	5/15/2023 2:23:21 PM

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

Qualifiers:

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

Not in Range ...mit Page 14 of 40

Date Reported: 5/17/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: BH23-21 4.0'

Project: Dayton Recycle Release Collection Date: 5/6/2023 9:20:00 AM

Lab ID: 2305404-015 Matrix: SOIL Received Date: 5/9/2023 7:39:00 AM

Analyses	Result	RL Qua	al Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS					Analyst: SNS
Chloride	ND	60	mg/Kg	20	5/15/2023 2:35:45 PM

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

Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

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

B Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Page 15 of 40

Date Reported: 5/17/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: BH23-22 0.0'

Project: Dayton Recycle Release **Collection Date:** 5/6/2023 9:30:00 AM 2305404-016 Lab ID: Matrix: SOIL Received Date: 5/9/2023 7:39:00 AM

Analyses Result **RL Qual Units** DF **Date Analyzed EPA METHOD 300.0: ANIONS** Analyst: NAI Chloride 9500 600 5/16/2023 12:01:32 PM mg/Kg 200

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

Qualifiers:

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

Page 16 of 40

Date Reported: 5/17/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: BH23-22 2.0'

Project: Dayton Recycle Release **Collection Date:** 5/6/2023 9:40:00 AM 2305404-017 Lab ID: Matrix: SOIL Received Date: 5/9/2023 7:39:00 AM

Analyses	Result	RL Qua	al Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS					Analyst: SNS
Chloride	ND	60	mg/Kg	20	5/15/2023 3:25:23 PM

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

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- Practical Quanitative Limit
- % Recovery outside of standard limits. If undiluted results may be estimated.
- Analyte detected in the associated Method Blank
- Above Quantitation Range/Estimated Value Ε
- J Analyte detected below quantitation limits
- RL Reporting Limit

Sample pH Not In Range Page 17 of 40

Date Reported: 5/17/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: BH23-22 4.0'

Project: Dayton Recycle Release Collection Date: 5/6/2023 9:50:00 AM

Lab ID: 2305404-018 Matrix: SOIL Received Date: 5/9/2023 7:39:00 AM

Analyses	Result	RL Qua	l Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS					Analyst: SNS
Chloride	ND	60	mg/Kg	20	5/15/2023 3:37:47 PM

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

Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

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

B Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Page 18 of 40

Date Reported: 5/17/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: BH23-23 0.0'

Project: Dayton Recycle Release Collection Date: 5/6/2023 10:00:00 AM

Lab ID: 2305404-019 Matrix: SOIL Received Date: 5/9/2023 7:39:00 AM

Analyses	Result	RL Qua	al Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS					Analyst: NAI
Chloride	4600	150	mg/Kg	50	5/16/2023 12:26:21 PM

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

Qualifiers:

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

Page 19 of 40

Date Reported: 5/17/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.

Client Sample ID: BH23-23 2.0'

Project:Dayton Recycle ReleaseCollection Date: 5/6/2023 10:10:00 AMLab ID:2305404-020Matrix: SOILReceived Date: 5/9/2023 7:39:00 AM

 Analyses
 Result
 RL
 Qual
 Units
 DF
 Date Analyzed

 EPA METHOD 300.0: ANIONS
 Analyst: SNS

 Chloride
 870
 59
 mg/Kg
 20
 5/15/2023 4:02:37 PM

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

Qualifiers:

* Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

QL Practical Quanitative Limit

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

B Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Page 20 of 40

Date Reported: 5/17/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.

Client Sample ID: BH23-23 4.0'

Project:Dayton Recycle ReleaseCollection Date: 5/6/2023 10:20:00 AMLab ID:2305404-021Matrix: SOILReceived Date: 5/9/2023 7:39:00 AM

 Analyses
 Result
 RL
 Qual
 Units
 DF
 Date Analyzed

 EPA METHOD 300.0: ANIONS
 Analyst: SNS

 Chloride
 740
 60
 mg/Kg
 20
 5/15/2023 4:15:01 PM

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

Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

QL Practical Quanitative Limit

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

B Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

e pH Not In Range Page 21 of 40

Date Reported: 5/17/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.

Client Sample ID: BH23-24 0.0'

Project:Dayton Recycle ReleaseCollection Date: 5/6/2023 10:30:00 AMLab ID:2305404-022Matrix: SOILReceived Date: 5/9/2023 7:39:00 AM

 Analyses
 Result
 RL
 Qual
 Units
 DF
 Date Analyzed

 EPA METHOD 300.0: ANIONS
 Analyst: SNS

 Chloride
 700
 60 mg/Kg
 20
 5/15/2023 4:27:25 PM

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

Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

QL Practical Quanitative Limit

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

B Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Page 22 of 40

Date Reported: 5/17/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: BH23-24 2.0'

Project: Dayton Recycle Release **Collection Date:** 5/6/2023 10:40:00 AM 2305404-023 Lab ID: Matrix: SOIL Received Date: 5/9/2023 7:39:00 AM

Analyses	Result	RL Qua	al Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS					Analyst: SNS
Chloride	ND	60	mg/Kg	20	5/15/2023 5:06:26 PM

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

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- Practical Quanitative Limit
- % Recovery outside of standard limits. If undiluted results may be estimated.
- Analyte detected in the associated Method Blank
- Above Quantitation Range/Estimated Value Ε
- J Analyte detected below quantitation limits
- RL Reporting Limit

Sample pH Not In Range Page 23 of 40

Date Reported: 5/17/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.

Client Sample ID: BH23-24 4.0'

Project:Dayton Recycle ReleaseCollection Date: 5/6/2023 10:50:00 AMLab ID:2305404-024Matrix: SOILReceived Date: 5/9/2023 7:39:00 AM

Analyses	Result	RL Qua	al Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS					Analyst: SNS
Chloride	130	60	mg/Kg	20	5/15/2023 6:08:28 PM

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

Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

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

B Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Page 24 of 40

Date Reported: 5/17/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.

Client Sample ID: BH23-25 0.0'

Project:Dayton Recycle ReleaseCollection Date: 5/6/2023 11:00:00 AMLab ID:2305404-025Matrix: SOILReceived Date: 5/9/2023 7:39:00 AM

 Analyses
 Result
 RL Qual Units
 DF
 Date Analyzed

 EPA METHOD 300.0: ANIONS
 Analyst: NAI

 Chloride
 5600
 300
 mg/Kg
 100
 5/16/2023 11:49:08 AM

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

Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

QL Practical Quanitative Limit

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

B Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Page 25 of 40

Date Reported: 5/17/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.

Client Sample ID: BH23-25 2.0'

Project: Dayton Recycle Release Collection Date: 5/6/2023 11:10:00 AM

Lab ID: 2305404-026 Matrix: SOIL Received Date: 5/9/2023 7:39:00 AM

Analyses	Result	RL Qua	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst: PRD
Diesel Range Organics (DRO)	ND	9.3	mg/Kg	1	5/12/2023 12:56:16 AM
Motor Oil Range Organics (MRO)	ND	46	mg/Kg	1	5/12/2023 12:56:16 AM
Surr: DNOP	90.0	69-147	%Rec	1	5/12/2023 12:56:16 AM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	5/12/2023 6:56:48 AM
Surr: BFB	65.2	15-244	%Rec	1	5/12/2023 6:56:48 AM
EPA METHOD 8021B: VOLATILES					Analyst: JJP
Benzene	ND	0.024	mg/Kg	1	5/12/2023 6:56:48 AM
Toluene	ND	0.049	mg/Kg	1	5/12/2023 6:56:48 AM
Ethylbenzene	ND	0.049	mg/Kg	1	5/12/2023 6:56:48 AM
Xylenes, Total	ND	0.098	mg/Kg	1	5/12/2023 6:56:48 AM
Surr: 4-Bromofluorobenzene	82.3	39.1-146	%Rec	1	5/12/2023 6:56:48 AM
EPA METHOD 300.0: ANIONS					Analyst: SNS
Chloride	ND	61	mg/Kg	20	5/15/2023 6:33:17 PM

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

Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

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

B Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Page 26 of 40

Date Reported: 5/17/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: BH23-25 4.0'

Project:Dayton Recycle ReleaseCollection Date: 5/6/2023 11:20:00 AMLab ID:2305404-027Matrix: SOILReceived Date: 5/9/2023 7:39:00 AM

Analyses	Result	RL Qua	al Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS					Analyst: SNS
Chloride	ND	59	mg/Kg	20	5/15/2023 6:45:41 PM

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

Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

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

B Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Page 27 of 40

Date Reported: 5/17/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.

Client Sample ID: BH23-26 0.0'

Project:Dayton Recycle ReleaseCollection Date: 5/6/2023 11:30:00 AMLab ID:2305404-028Matrix: SOILReceived Date: 5/9/2023 7:39:00 AM

 Analyses
 Result
 RL
 Qual
 Units
 DF
 Date Analyzed

 EPA METHOD 300.0: ANIONS
 Analyst: SNS

 Chloride
 500
 60
 mg/Kg
 20
 5/15/2023 6:58:05 PM

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

Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

QL Practical Quanitative Limit

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

B Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Page 28 of 40

Date Reported: 5/17/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: BH23-26 2.0'

Project: Dayton Recycle Release Collection Date: 5/6/2023 11:40:00 AM

Lab ID: 2305404-029 Matrix: SOIL Received Date: 5/9/2023 7:39:00 AM

 Analyses
 Result
 RL
 Qual
 Units
 DF
 Date Analyzed

 EPA METHOD 300.0: ANIONS
 Analyst: SNS

 Chloride
 ND
 60
 mg/Kg
 20
 5/15/2023 7:10:29 PM

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

Qualifiers:

* Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

QL Practical Quanitative Limit

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

B Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Page 29 of 40

Date Reported: 5/17/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.

Client Sample ID: BH23-26 4.0'

Project: Dayton Recycle Release Collection Date: 5/6/2023 11:50:00 AM

Lab ID: 2305404-030 Matrix: SOIL Received Date: 5/9/2023 7:39:00 AM

 Analyses
 Result
 RL Qual Units
 DF
 Date Analyzed

 EPA METHOD 300.0: ANIONS
 Analyst: SNS

 Chloride
 ND
 60
 mg/Kg
 20
 5/15/2023 7:22:54 PM

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

Qualifiers:

* Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

QL Practical Quanitative Limit

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

B Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Page 30 of 40

Date Reported: 5/17/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: BH23-27 0.0'

 Project:
 Dayton Recycle Release
 Collection Date: 5/6/2023 12:00:00 PM

 Lab ID:
 2305404-031
 Matrix: SOIL
 Received Date: 5/9/2023 7:39:00 AM

Analyses	Result	RL Qua	al Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS					Analyst: NAI
Chloride	2600	150	mg/Kg	50	5/16/2023 12:13:57 PM

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

Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

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

B Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

of In Range Page 31 of 40

Date Reported: 5/17/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.

Client Sample ID: BH23-27 2.0'

Project:Dayton Recycle ReleaseCollection Date: 5/6/2023 12:10:00 PMLab ID:2305404-032Matrix: SOILReceived Date: 5/9/2023 7:39:00 AM

Analyses	Result	RL Qua	l Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS					Analyst: SNS
Chloride	ND	60	mg/Kg	20	5/15/2023 8:12:32 PM

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

Qualifiers:

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

Page 32 of 40

Date Reported: 5/17/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: BH23-27 4.0'

Project: Dayton Recycle Release **Collection Date:** 5/6/2023 12:20:00 PM 2305404-033 Lab ID: Matrix: SOIL **Received Date:** 5/9/2023 7:39:00 AM

Analyses	Result	RL Qua	al Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS					Analyst: SNS
Chloride	ND	60	mg/Kg	20	5/15/2023 8:24:57 PM

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

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- Practical Quanitative Limit
- % Recovery outside of standard limits. If undiluted results may be estimated.
- Analyte detected in the associated Method Blank
- Above Quantitation Range/Estimated Value Ε
- J Analyte detected below quantitation limits
- RL Reporting Limit

Sample pH Not In Range Page 33 of 40

Date Reported: 5/17/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: BH23-28 0.0'

 Project:
 Dayton Recycle Release
 Collection Date: 5/6/2023 12:30:00 PM

 Lab ID:
 2305404-034
 Matrix: SOIL
 Received Date: 5/9/2023 7:39:00 AM

Analyses	Result	RL Qua	al Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS					Analyst: SNS
Chloride	410	60	mg/Kg	20	5/15/2023 8:37:22 PM

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

Qualifiers:

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

Page 34 of 40

Date Reported: 5/17/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: BH23-28 2.0'

Project:Dayton Recycle ReleaseCollection Date: 5/6/2023 12:40:00 PMLab ID:2305404-035Matrix: SOILReceived Date: 5/9/2023 7:39:00 AM

Analyses	Result	RL Qua	al Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS					Analyst: SNS
Chloride	ND	60	mg/Kg	20	5/15/2023 8:49:46 PM

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

Qualifiers:

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

Page 35 of 40

Date Reported: 5/17/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: BH23-28 4.0'

Project:Dayton Recycle ReleaseCollection Date: 5/6/2023 12:50:00 PMLab ID:2305404-036Matrix: SOILReceived Date: 5/9/2023 7:39:00 AM

Analyses	Result	RL Qua	al Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS					Analyst: SNS
Chloride	600	60	mg/Kg	20	5/15/2023 9:02:10 PM

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

Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

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

B Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Page 36 of 40

OC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2305404

17-May-23

Client: Vertex Resources Services, Inc.

Project: Dayton Recycle Release

Sample ID: MB-74931 SampType: MBLK TestCode: EPA Method 300.0: Anions

Client ID: PBS Batch ID: 74931 RunNo: 96724

Prep Date: 5/12/2023 Analysis Date: 5/12/2023 SeqNo: 3507891 Units: mq/Kq

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

Chloride ND 1.5

Sample ID: LCS-74931 SampType: LCS TestCode: EPA Method 300.0: Anions

Client ID: LCSS Batch ID: 74931 RunNo: 96724

Prep Date: 5/12/2023 Analysis Date: 5/12/2023 SeqNo: 3507892 Units: mq/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

Sample ID: MB-74946 SampType: MBLK TestCode: EPA Method 300.0: Anions

Client ID: PBS Batch ID: 74946 RunNo: 96761

Prep Date: 5/15/2023 Analysis Date: 5/15/2023 SeqNo: 3509919 Units: mg/Kg

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

Chloride ND 1.5

Sample ID: LCS-74946 SampType: LCS TestCode: EPA Method 300.0: Anions

Client ID: LCSS Batch ID: 74946 RunNo: 96761

Prep Date: 5/15/2023 Analysis Date: 5/15/2023 SeqNo: 3509920 Units: mg/Kg

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

Chloride 14 1.5 15.00 0 92.0 90 110

Sample ID: MB-74963 SampType: MBLK TestCode: EPA Method 300.0; Anions

Client ID: PBS Batch ID: 74963 RunNo: 96761

Prep Date: 5/15/2023 Analysis Date: 5/15/2023 SeqNo: 3509949 Units: mg/Kg

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

Chloride ND 1.5

Sample ID: LCS-74963 SampType: LCS TestCode: EPA Method 300.0: Anions

Client ID: LCSS Batch ID: 74963 RunNo: 96761

Prep Date: 5/15/2023 Analysis Date: 5/15/2023 SeqNo: 3509950 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 Quanitative Limit

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

B Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Page 37 of 40

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2305404

17-May-23

Client: Vertex Resources Services, Inc.

Project: Dayton Recycle Release

Sample ID: LCS-74874	SampT	ype: LC	S	TestCode: EPA Method 8				8015M/D: Diesel Range Organics				
Client ID: LCSS	Batch	ID: 748	374	F	RunNo: 90	6702						
Prep Date: 5/10/2023	Analysis D	ate: 5/ 1	11/2023	SeqNo: 3506800			Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual		
Diesel Range Organics (DRO)	44	10	50.00	0	88.4	61.9	130					
Surr: DNOP	4.9		5.000		97.4	69	147					

Sample ID: MB-74874 SampType: MBLK TestCode: EPA Method 8015M/D: Diesel Range Organics Client ID: PBS Batch ID: 74874 RunNo: 96702 Prep Date: 5/10/2023 Analysis Date: 5/11/2023 SeqNo: 3506803 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 10 10.00 102 69 147

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of standard limits. If undiluted results may be estimated.
- Analyte detected in the associated Method Blank
- Above Quantitation Range/Estimated Value
- Analyte detected below quantitation limits
- Sample pH Not In Range
- RL Reporting Limit

Page 38 of 40

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2305404 17-May-23

Client: Vertex Resources Services, Inc.

Project: Dayton Recycle Release

Sample ID: Ics-74864 SampType: LCS TestCode: EPA Method 8015D: Gasoline Range Client ID: LCSS Batch ID: 74864 RunNo: 96676 Units: mg/Kg Prep Date: 5/10/2023 Analysis Date: 5/11/2023 SeqNo: 3506809 **PQL** SPK value SPK Ref Val %REC HighLimit %RPD **RPDLimit** Qual Analyte Result LowLimit

Gasoline Range Organics (GRO) 21 5.0 25.00 0 82.4 70 130 Surr: BFB 5000 1000 503 15 244 S

Sample ID: mb-74864 SampType: MBLK TestCode: EPA Method 8015D: Gasoline Range

Client ID: PBS Batch ID: 74864 RunNo: 96676

Prep Date: 5/10/2023 Analysis Date: 5/11/2023 SeqNo: 3506810 Units: mg/Kg

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

Gasoline Range Organics (GRO) ND 5.0

760 Surr: BFB 1000 75.7 15 244

Qualifiers:

- Value exceeds Maximum Contaminant Level
- D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of standard limits. If undiluted results may be estimated.
- Analyte detected in the associated Method Blank
- Е Above Quantitation Range/Estimated Value
- Analyte detected below quantitation limits
- Sample pH Not In Range
- RL Reporting Limit

Page 39 of 40

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2305404 17-May-23

Client: Vertex Resources Services, Inc.

Project: Dayton Recycle Release

Sample ID: LCS-74864	Samp	Гуре: LC	s	TestCode: EPA Method 8			8021B: Volatiles				
Client ID: LCSS	Batcl	h ID: 748	364	RunNo: 96676							
Prep Date: 5/10/2023	Analysis Date: 5/11/2023 SeqNo:			SeqNo: 3506872			Units: mg/K	g			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Benzene	0.78	0.025	1.000	0	77.9	70	130				
Toluene	0.81	0.050	1.000	0	81.0	70	130				
Ethylbenzene	0.81	0.050	1.000	0	81.4	70	130				
Xylenes, Total	2.5	0.10	3.000	0	81.8	70	130				
Surr: 4-Bromofluorobenzene	0.87		1.000		87.0	39.1	146				

Sample ID: mb-74864	Samp	Гуре: МЕ	BLK	Tes	tCode: EF	PA Method	8021B: Volati	les		
Client ID: PBS	Batcl	h ID: 74 8	864	F	RunNo: 90	6676				
Prep Date: 5/10/2023	Analysis [Date: 5/ *	11/2023	9	SeqNo: 3	506873	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.86		1.000		85.8	39.1	146			

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of standard limits. If undiluted results may be estimated.
- Analyte detected in the associated Method Blank
- Above Quantitation Range/Estimated Value
- Analyte detected below quantitation limits
- Sample pH Not In Range
- Reporting Limit

Page 40 of 40



Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109

Sample Log-In Check List

Released to Imaging: 3/18/2024 3:12:53 PM

TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

Completed By: Tracy Casarrubias 5/9/2023 8:08:21 AM Reviewed By: 5-9-73 Chain of Custody 1. Is Chain of Custody complete? 2. How was the sample delivered? Log In 3. Was an attempt made to cool the samples? 4. Were all samples received at a temperature of >0° C to 6.0°C 7. Sample(s) in proper container(s)? 7. Sufficient sample volume for indicated test(s)?	'es □ Courier 'es ✔ 'es ✔ es ✔	No No No		Not Present NA NA NA	o: 1
Completed By: Tracy Casarrubias 5/9/2023 8:08:21 AM Reviewed By: 5-9-73 Chain of Custody 1. Is Chain of Custody complete? Ye 2. How was the sample delivered? Completed By: 5-9-73 Chain of Custody 1. Is Chain of Custody complete? 2. How was the sample delivered? Completed By: 5-9/2023 8:08:21 AM Ye Chain of Custody Ye Completed By: 5-9/2023 8:08:21 AM Ye Chain of Custody Ye Completed By: 5-9/2023 8:08:21 AM Ye Chain of Custody Ye Completed By: 5-9/2023 8:08:21 AM Ye Chain of Custody Ye Completed By: 5-9/2023 8:08:21 AM Ye Chain of Custody Ye Completed By: 5-9/2023 8:08:21 AM Ye Chain of Custody Ye Completed By: 5-9/2023 8:08:21 AM Ye Chain of Custody Ye Completed By: 5-9/2023 8:08:21 AM Ye Chain of Custody Ye Completed By: 5-9/2023 8:08:21 AM Ye Chain of Custody Ye Completed By: 5-9/2023 8:08:21 AM Ye Chain of Custody Ye Completed By: 5-9/2023 8:08:21 AM Ye Chain of Custody Ye Completed By: 5-9/2023 8:08:21 AM Ye Chain of Custody Ye Completed By: 5-9/2023 8:08:21 AM Ye Chain of Custody Ye Completed By: 5-9/2023 8:08:21 AM Ye Chain of Custody Ye Completed By: 5-9/2023 8:08:21 AM Ye Chain of Custody Ye Completed By: 5-9/2023 8:08:21 AM Ye Chain of Custody Ye Completed By: 5-9/2023 8:08:21 AM Ye Completed By: 5-9/20	Courier Ses 🗸 Ses 🗸 Ses 🗸	No No No		na 🗆	
Chain of Custody 1. Is Chain of Custody complete? 2. How was the sample delivered? Log In 3. Was an attempt made to cool the samples? 4. Were all samples received at a temperature of >0° C to 6.0°C 7. Sample(s) in proper container(s)? 7. Sufficient sample volume for indicated test(s)?	Courier Ses 🗸 Ses 🗸 Ses 🗸	No No No		na 🗆	
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1. Is Chain of Custody complete? 2. How was the sample delivered? 2. Log In 3. Was an attempt made to cool the samples? 4. Were all samples received at a temperature of >0° C to 6.0°C 7. Sample(s) in proper container(s)? 7. Sufficient sample volume for indicated test(s)? 7. Yes	Courier Ses 🗸 Ses 🗸 Ses 🗸	No No No		na 🗆	
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Log In 3. Was an attempt made to cool the samples? 4. Were all samples received at a temperature of >0° C to 6.0°C 5. Sample(s) in proper container(s)? 6. Sufficient sample volume for indicated test(s)? Ye	res 🗸	No No			
3. Was an attempt made to cool the samples? 4. Were all samples received at a temperature of >0° C to 6.0°C 7. Sample(s) in proper container(s)? 7. Sufficient sample volume for indicated test(s)? Yes	es 🗸	No No			
4. Were all samples received at a temperature of >0° C to 6.0°C Ye Sample(s) in proper container(s)? Sufficient sample volume for indicated test(s)? Ye	es 🗸	No No			
5. Sample(s) in proper container(s)? Sufficient sample volume for indicated test(s)? Ye	es 🗸	No	o 🗆	NA 🗆	
6. Sufficient sample volume for indicated test(s)?	es 🗸				
7. Are samples (except VOA and ONG) properly preserved?		No			
	es 🗹				
8. Was preservative added to bottles?	es 🗌	No	✓	NA 🗌	
9. Received at least 1 vial with headspace <1/4" for AQ VOA?	es 🗌	No		NA 🗹	
Were any sample containers received broken? Ye	es 🗆	No	✓	# of preserved bottles checked	
1. Does paperwork match bottle labels?	es 🗹	No		for pH:	
(Note discrepancies on chain of custody)					or >12 unless noted)
	es 🗹			Adjusted?	
	es 🗹			2	-10 chla-
4. Were all holding times able to be met? Ye (If no, notify customer for authorization.)	es 🗹	No		Checked by:	M519125
pecial Handling (if applicable)					
15. Was client notified of all discrepancies with this order?	es 🗌	No		NA 🗹	
Person Notified: Date:					
	eMail [Phone	Fax	☐ In Person	
Regarding:					
Client Instructions: Mailing address, phone number and Email are	e missin	n on COC-	TMC 5	5/9/23	

17. Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	17.7	Good	Yes	Morty		-

HAII ENVIRONMENTAL	ALYSIS	www.hallenvironmental.com	4901 Hawkins NE - Albuquerque, NM 87109	Tel. 505-345-3975 Fax 505-345-4107	Analysis Request	(O)	SBIS SBIS NWE	OS PG 2017	(1.4.1) (1.4.1) (28.8.2)	HO (0) 01 01 01 01 01 01 01 01 01 01 01 01 01	cid cid 310 116 12 11-V)15[C Neth by 8 8 M Br, VOV	TEX / PH:80 (N PH:80 (N PH:81	B		Υ .	X	**	*	λ	X	***	X	X	XXX	λ	Remarks: 1. Mork Petrip	A.Mr.		MMChieleshwatack, exp, com	This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.
Turn-Around Time:	Z Standard Z Rush 5 Day	Project Name:	adar	Project #: 23E-02248	The state of the s	Project Manager:	Michael Nova 4		4	On Ice: 14 Yes 🗆 No more		Cooler Temp(Including CF): 17.6-0.1-17.4°C)	Preservative	1 ype and # 1 ype	100	700	003	400	300	2000	400	000	100	010	110	011	Received by: Via: Date Time	all 1900 (130)	Received by: Vid: course Date Time	5/4/23	ocontracted to other accredited laboratories. This serves as notice of the
Chain-of-Custody Record	Client: S/Nethack	Direct B111			Phone #:	email or Fax#:	QA/QC Package:	☐ Standard ☐ Level 4 (Full Validation)	☐ Az Compliance	□ NELAC □ Other			A	Date Time Matrix Sample Name	11.57/10	0.50 1 8423-17 2.0	0920 8423-17 4.0	0930 81423-18 0.0	0940 RH23-18 2.0°	0950 18423-18 4.0"	1000 18423-19 0.0	1010 8423-19 2.0'	1020 181723-19 4.0'	1030 8473-20 0.0	1, 1040 11 8423-20 2.0	1050 18423-20 4,0	Relinquished by:		Date: Time: Relinquished by:	3813 (400) CAMMANNON	25.00

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Client:	V)	Medadi	hod		Z Standard	C/Rush	5 Daw			. 4	ANALYSIS	7	SIS	7	BO	B	LABORATORY	
	Direc	12	8411		Project Name	.e.	101				www.	nallen	www.hallenvironmental.com	nenta	moo.			
Mailin	Mailing Address:	,,	1000		* Capton	way her	ele lelease	•	1901	Hawk	4901 Hawkins NE	-	pndne	erque,	Albuquerque, NM 87109	109		
					Project #:	Project #: 756-02248	8		Tel.	305-3	Tel. 505-345-3975	ίζ.	Fax (505-3	Fax 505-345-4107	_		
Phone #:	#:				•							Ana	Analysis Request	Sedu	est			
email	email or Fax#:				Project Manager:	iger:			(0			⁷ O ⁹			(ju		1	
QA/QC	QA/QC Package:	_			Micha	sel Ma	wah				SW	S ԠC			esq/			
□ Standard	ndard		☐ Level 4 (Full Validation)	/alidation)							ISO.	<u> </u>			√∕tri			
Accre	Accreditation:		☐ Az Compliance		Sampler:	1/24					728	1O ₂			əsə.			
	LAC	□ Other	r		On Ice:	v∕d Yes	□ No mach								ıд)			
	☐ EDD (Type)		}		# of Coolers:										ш			
					Cooler Temp ₍	(including CF):	(0,) t.F. 11.0- 8.								ofilo			
					Container	Preservative	HEAL No.	/ X3	08:H 9 18	M) B	d sH	.RA 8 }F, E	V) 09	s) 02	C lei	Ħ		
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	0860		8423-22	0,0			olc				4	-	21	1	A 10 10 10 10 10 10 10 10 10 10 10 10 10			
	2460		BH23-22	2.0			40				3.8							_
5)	0360		Rt1322	4.0			210				3	9	1	- 1		1		
	1000	1144	B+23-23	0.0			019											_
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If pecessary, 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.

HAII FNVTRONMENTAL		www.hallenvironmental.com	4901 Hawkins NE - Albuquerque, NM 87109	Tel. 505-345-3975 Fax 505-345-4107	Analysis Request	(O)	O [¢] ' &	O P O S O P O P O P O P O P O P O P O P	(1.408) (1.408) (1.408) (1.408) (1.408)	(O/) 318 0 0 0	D(C) hodd 11cid 831 Nets NC NC	Met (Met (Se) (Se) (Se) (Se) (Se) (Se) (Se) (Se)	2081 8081 PAH RCF 1021 8261 8261))	X	***************************************	*	*	X	λ	***	X	X	X		Remarks: 11: Mark Richip		24 Mrtchie @ Silvebock.cxp. com	_
I urn-Around Time:	Standard A Rush 5 Dawl	Project Name:	Daylar recycle reliase	Project #:	L3E 0=10	Project Manager:	Michael Nowak			Unice: Tres I No mark		Mp(including CF):	Container Preservative HEAL No. Type and # Type	10E	700 1	t20	02.8	024	030	03.1	011	(100	200	110	ا مار	Via: Date Ti	SE/8/2 Norw	Via:Court	112/22
Chain-of-Custody Record	Client: Silverback				Phone #:	Fax#:	ö	☐ Standard ☐ Level 4 (Full Validation)	☐ Az Compliance	□ NELAC □ Other			Date Time Matrix Sample Name	3 1100 So, 1 8H33-25 O.O	1110 1 0428-25 2.0		8423-76	SH23-26	BH23-26	Tara I			1230 BHB3-28 O.O	N 19423-28	V BY13-28 4.0	Relinquished by:		Date: Time: Relinquished by:	

If necessary, samples submitted to Hall Environmental maybe subcontracted to other accredited laboratories. This serves as notice of this portion of the por



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

May 31, 2023

Michael Novak Vertex Resources Services, Inc. 3101 Boyd Drive Carlsbad, NM 88220 TEL: (505) 506-0040

FAX:

RE: Dayton Recycle Release OrderNo.: 2305A89

Dear Michael Novak:

Hall Environmental Analysis Laboratory received 14 sample(s) on 5/20/2023 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

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

Sincerely,

Andy Freeman

Laboratory Manager

Indes

4901 Hawkins NE

Albuquerque, NM 87109

Date Reported: 5/31/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.

Client Sample ID: BH23-29 0'

Project:Dayton Recycle ReleaseCollection Date: 5/18/2023 10:30:00 AMLab ID:2305A89-001Matrix: SOILReceived Date: 5/20/2023 9:30:00 AM

 Analyses
 Result
 RL
 Qual
 Units
 DF
 Date Analyzed

 EPA METHOD 300.0: ANIONS
 Analyst: CAS

 Chloride
 2300
 59
 mg/Kg
 20
 5/25/2023 2:51:05 AM

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

Qualifiers:

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

Page 1 of 18

Date Reported: 5/31/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: BH23-29 2'

Project:Dayton Recycle ReleaseCollection Date: 5/18/2023 10:35:00 AMLab ID:2305A89-002Matrix: SOILReceived Date: 5/20/2023 9:30:00 AM

Analyses	Result	RL Qua	al Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS					Analyst: CAS
Chloride	72	60	mg/Kg	20	5/25/2023 3:03:30 AM

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

Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

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

B Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Page 2 of 18

Date Reported: 5/31/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.

Client Sample ID: BH23-29 4'

Project:Dayton Recycle ReleaseCollection Date: 5/18/2023 10:40:00 AMLab ID:2305A89-003Matrix: SOILReceived Date: 5/20/2023 9:30:00 AM

Analyses	Result	RL Qua	al Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS					Analyst: CAS
Chloride	190	60	mg/Kg	20	5/25/2023 3:15:55 AM

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

Qualifiers:

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

orting Limit Page 3 of 18

Date Reported: 5/31/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.

Client Sample ID: BH23-30 0'

Project:Dayton Recycle ReleaseCollection Date: 5/18/2023 11:00:00 AMLab ID:2305A89-004Matrix: SOILReceived Date: 5/20/2023 9:30:00 AM

 Analyses
 Result
 RL Qual Units
 DF
 Date Analyzed

 EPA METHOD 300.0: ANIONS
 Analyst: CAS

 Chloride
 2900
 150
 mg/Kg
 50
 5/25/2023 11:39:53 AM

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

Qualifiers:

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

ple pH Not In Range
Orting Limit Page 4 of 18

Date Reported: 5/31/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.

Client Sample ID: BH23-30 2'

Project: Dayton Recycle Release Collection Date: 5/18/2023 11:05:00 AM

Lab ID: 2305A89-005 Matrix: SOIL Received Date: 5/20/2023 9:30:00 AM

 Analyses
 Result
 RL Qual Units
 DF
 Date Analyzed

 EPA METHOD 300.0: ANIONS
 Analyst: CAS

 Chloride
 340
 60
 mg/Kg
 20
 5/25/2023 3:40:43 AM

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

Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

QL Practical Quanitative Limit

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

B Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Page 5 of 18

Date Reported: 5/31/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: BH23-30 4'

Project: Dayton Recycle Release Collection Date: 5/18/2023 11:10:00 AM

Lab ID: 2305A89-006 Matrix: SOIL Received Date: 5/20/2023 9:30:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE O	RGANICS				Analyst: PRD
Diesel Range Organics (DRO)	ND	9.9	mg/Kg	1	5/23/2023 9:29:12 PM
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	5/23/2023 9:29:12 PM
Surr: DNOP	104	69-147	%Rec	1	5/23/2023 9:29:12 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: KMN
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	5/25/2023 5:18:00 AM
Surr: BFB	87.0	15-244	%Rec	1	5/25/2023 5:18:00 AM
EPA METHOD 8021B: VOLATILES					Analyst: KMN
Benzene	ND	0.025	mg/Kg	1	5/25/2023 5:18:00 AM
Toluene	ND	0.049	mg/Kg	1	5/25/2023 5:18:00 AM
Ethylbenzene	ND	0.049	mg/Kg	1	5/25/2023 5:18:00 AM
Xylenes, Total	ND	0.098	mg/Kg	1	5/25/2023 5:18:00 AM
Surr: 4-Bromofluorobenzene	83.8	39.1-146	%Rec	1	5/25/2023 5:18:00 AM
EPA METHOD 300.0: ANIONS					Analyst: CAS
Chloride	300	60	mg/Kg	20	5/25/2023 4:17:57 AM

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

Qualifiers:

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

Page 6 of 18

Date Reported: 5/31/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.

Client Sample ID: BH23-31 0'

Project:Dayton Recycle ReleaseCollection Date: 5/18/2023 11:25:00 AMLab ID:2305A89-007Matrix: SOILReceived Date: 5/20/2023 9:30:00 AM

 Analyses
 Result
 RL Qual Units
 DF
 Date Analyzed

 EPA METHOD 300.0: ANIONS
 Analyst: CAS

 Chloride
 13000
 600
 mg/Kg
 200
 5/25/2023 11:52:14 AM

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

Qualifiers:

* Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

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

B Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Page 7 of 18

Date Reported: 5/31/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.

Client Sample ID: BH23-31 2'

Project:Dayton Recycle ReleaseCollection Date: 5/18/2023 11:30:00 AMLab ID:2305A89-008Matrix: SOILReceived Date: 5/20/2023 9:30:00 AM

 Analyses
 Result
 RL
 Qual
 Units
 DF
 Date Analyzed

 EPA METHOD 300.0: ANIONS
 Analyst: SNS

 Chloride
 ND
 60
 mg/Kg
 20
 5/24/2023 11:16:20 PM

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

Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

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

B Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Page 8 of 18

Date Reported: 5/31/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: BH23-31 4'

Project: Dayton Recycle Release **Collection Date:** 5/18/2023 11:35:00 AM Lab ID: 2305A89-009 Matrix: SOIL Received Date: 5/20/2023 9:30:00 AM

Analyses Result **RL Qual Units** DF **Date Analyzed EPA METHOD 300.0: ANIONS** Analyst: SNS Chloride 350 60 5/24/2023 11:28:41 PM mg/Kg 20

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

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- Practical Quanitative Limit
- % Recovery outside of standard limits. If undiluted results may be estimated.
- Analyte detected in the associated Method Blank
- Ε Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- Sample pH Not In Range
- RLReporting Limit

Page 9 of 18

Date Reported: 5/31/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: BH23-32 0'

Project: Dayton Recycle Release **Collection Date:** 5/18/2023 11:50:00 AM Lab ID: 2305A89-010 Matrix: SOIL Received Date: 5/20/2023 9:30:00 AM

Analyses Result **RL Qual Units** DF **Date Analyzed EPA METHOD 300.0: ANIONS** Analyst: SNS Chloride 150 60 5/24/2023 11:41:01 PM mg/Kg 20

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

Qualifiers:

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

Page 10 of 18

Date Reported: 5/31/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.

Client Sample ID: BH23-32 2'

Project: Dayton Recycle Release Collection Date: 5/18/2023 11:55:00 AM

Lab ID: 2305A89-011 Matrix: SOIL Received Date: 5/20/2023 9:30:00 AM

 Analyses
 Result
 RL
 Qual
 Units
 DF
 Date Analyzed

 EPA METHOD 300.0: ANIONS
 Analyst: SNS

 Chloride
 370
 60
 mg/Kg
 20
 5/25/2023 12:18:04 AM

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

Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

QL Practical Quanitative Limit

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

B Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Page 11 of 18

Date Reported: 5/31/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: BH23-32 4'

Project:Dayton Recycle ReleaseCollection Date: 5/18/2023 12:05:00 PMLab ID:2305A89-012Matrix: SOILReceived Date: 5/20/2023 9:30:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst: PRD
Diesel Range Organics (DRO)	ND	9.9	mg/Kg	1	5/23/2023 9:40:05 PM
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	5/23/2023 9:40:05 PM
Surr: DNOP	96.9	69-147	%Rec	1	5/23/2023 9:40:05 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: KMN
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	5/25/2023 5:39:00 AM
Surr: BFB	89.3	15-244	%Rec	1	5/25/2023 5:39:00 AM
EPA METHOD 8021B: VOLATILES					Analyst: KMN
Benzene	ND	0.024	mg/Kg	1	5/25/2023 5:39:00 AM
Toluene	ND	0.048	mg/Kg	1	5/25/2023 5:39:00 AM
Ethylbenzene	ND	0.048	mg/Kg	1	5/25/2023 5:39:00 AM
Xylenes, Total	ND	0.096	mg/Kg	1	5/25/2023 5:39:00 AM
Surr: 4-Bromofluorobenzene	85.0	39.1-146	%Rec	1	5/25/2023 5:39:00 AM
EPA METHOD 300.0: ANIONS					Analyst: SNS
Chloride	1100	60	mg/Kg	20	5/25/2023 12:30:25 AM

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

Qualifiers:

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

Page 12 of 18

Date Reported: 5/31/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.

Client Sample ID: BH23-33 0'

Project: Dayton Recycle Release Collection Date: 5/18/2023 12:20:00 PM

Lab ID: 2305A89-013 Matrix: SOIL Received Date: 5/20/2023 9:30:00 AM

 Analyses
 Result
 RL Qual Units
 DF
 Date Analyzed

 EPA METHOD 300.0: ANIONS
 Analyst: SNS

 Chloride
 440
 60
 mg/Kg
 20
 5/25/2023 12:42:46 AM

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

Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

QL Practical Quanitative Limit

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

B Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Page 13 of 18

Date Reported: 5/31/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.

Client Sample ID: BH23-33 2'

Project: Dayton Recycle Release Collection Date: 5/18/2023 12:25:00 PM

Lab ID: 2305A89-014 Matrix: SOIL Received Date: 5/20/2023 9:30:00 AM

 Analyses
 Result
 RL Qual Units
 DF
 Date Analyzed

 EPA METHOD 300.0: ANIONS
 Analyst: SNS

 Chloride
 ND
 60
 mg/Kg
 20
 5/25/2023 12:55:06 AM

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

Qualifiers:

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

Page 14 of 18

Hall Environmental Analysis Laboratory, Inc.

WO#: **2305A89**

31-May-23

Client: Vertex Resources Services, Inc.

Project: Dayton Recycle Release

Sample ID: MB-75159 SampType: mblk TestCode: EPA Method 300.0: Anions

Client ID: PBS Batch ID: 75159 RunNo: 96996

Prep Date: 5/24/2023 Analysis Date: 5/24/2023 SeqNo: 3520080 Units: mg/Kg

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

Chloride ND 1.5

Sample ID: LCS-75159 SampType: Ics TestCode: EPA Method 300.0: Anions

Client ID: LCSS Batch ID: 75159 RunNo: 96996

Prep Date: 5/24/2023 Analysis Date: 5/24/2023 SeqNo: 3520082 Units: mg/Kg

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

Chloride 14 1.5 15.00 0 94.8 90 110

Sample ID: MB-75165 SampType: MBLK TestCode: EPA Method 300.0: Anions

Client ID: PBS Batch ID: 75165 RunNo: 97007

Prep Date: 5/24/2023 Analysis Date: 5/24/2023 SeqNo: 3520086 Units: mg/Kg

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

Chloride ND 1.5

Sample ID: LCS-75165 SampType: LCS TestCode: EPA Method 300.0: Anions

Client ID: LCSS Batch ID: 75165 RunNo: 97007

Prep Date: 5/24/2023 Analysis Date: 5/24/2023 SeqNo: 3520088 Units: mg/Kg

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

Chloride 14 1.5 15.00 0 94.2 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 Quanitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 15 of 18

Hall Environmental Analysis Laboratory, Inc.

WO#: 2305A89 31-May-23

Client: Vertex Resources Services, Inc.

Project: Dayton Recycle Release

Sample ID: LCS-75110 SampType: LCS TestCode: EPA Method 8015M/D: Diesel Range Organics Client ID: LCSS Batch ID: 75110 RunNo: 96945 Units: mg/Kg Prep Date: 5/22/2023 Analysis Date: 5/23/2023 SeqNo: 3518232 PQL SPK value SPK Ref Val %REC HighLimit %RPD **RPDLimit** Analyte Result LowLimit Qual

Diesel Range Organics (DRO) 49 10 50.00 0 98.8 61.9 130 Surr: DNOP 5.0 5.000 101 69 147

Sample ID: MB-75110 SampType: MBLK TestCode: EPA Method 8015M/D: Diesel Range Organics

Client ID: PBS Batch ID: 75110 RunNo: 96945

Prep Date: Analysis Date: 5/23/2023 5/22/2023 SeqNo: 3518236 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 8.1 10.00 80.8 69 147

Qualifiers:

- Value exceeds Maximum Contaminant Level
- D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of standard limits. If undiluted results may be estimated.
- Analyte detected in the associated Method Blank
- Е Above Quantitation Range/Estimated Value
- Analyte detected below quantitation limits
- Sample pH Not In Range
- RL Reporting Limit

Page 16 of 18

Hall Environmental Analysis Laboratory, Inc.

WO#: **2305A89**

31-May-23

Client: Vertex Resources Services, Inc.

Project: Dayton Recycle Release

Sample ID: mb-75105 SampType: MBLK TestCode: EPA Method 8015D: Gasoline Range

Client ID: PBS Batch ID: 75105 RunNo: 96984

Prep Date: 5/22/2023 Analysis Date: 5/24/2023 SeqNo: 3519769 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 850 1000 84.6 15 244

Sample ID: Ics-75105 SampType: LCS TestCode: EPA Method 8015D: Gasoline Range

1000

Client ID: LCSS Batch ID: 75105 RunNo: 96984

1900

Prep Date: 5/22/2023 Analysis Date: 5/24/2023 SeqNo: 3519770 Units: mg/Kg

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual Gasoline Range Organics (GRO) 22 5.0 25.00 0 88.6 70 130

191

15

244

Qualifiers:

Surr: BFB

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

Page 17 of 18

Hall Environmental Analysis Laboratory, Inc.

2305A89 31-May-23

WO#:

Client: Vertex Resources Services, Inc.

Project: Dayton Recycle Release

Sample ID: mb-75105 SampType: MBLK TestCode: EPA Method 8021B: Volatiles Client ID: PBS Batch ID: 75105 RunNo: 96984 Prep Date: 5/22/2023 Analysis Date: 5/24/2023 SeqNo: 3519793 Units: mg/Kg Analyte PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual Result Benzene ND 0.025 Toluene ND 0.050 Ethylbenzene ND 0.050

Xylenes, Total ND 0.10 Surr: 4-Bromofluorobenzene 0.84 1.000

84.2 39.1 146

Sample ID: Ics-75105	Samp ⁻	Гуре: LC	S	Tes	tCode: El	PA Method	8021B: Volati	les		
Client ID: LCSS	Batc	h ID: 75 1	105	F	RunNo: 9	6984				
Prep Date: 5/22/2023	Analysis [Date: 5/ 2	24/2023	5	SeqNo: 3	519794	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.85	0.025	1.000	0	84.9	70	130			
Toluene	0.84	0.050	1.000	0	84.5	70	130			
Ethylbenzene	0.83	0.050	1.000	0	82.5	70	130			
Xylenes, Total	2.5	0.10	3.000	0	82.2	70	130			
Surr: 4-Bromofluorobenzene	0.86		1.000		86.2	39.1	146			

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of standard limits. If undiluted results may be estimated.
- Analyte detected in the associated Method Blank
- Е Above Quantitation Range/Estimated Value
- Analyte detected below quantitation limits
- Sample pH Not In Range
- Reporting Limit

Page 18 of 18

Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109

TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

Sample Log-In Check List

Released to Imaging: 3/18/2024 3:12:53 PM

	rtex Resources rvices, Inc.	Work Order Nur	mber: 2305A89		RcptNo: 1	
Received By: T	racy Casarrubias	5/20/2023 9:30:00) AM			
Completed By: Ta	racy Casarrubias	5/20/2023 10:32:4	3 AM			
Reviewed By: ノ	15-122/23					
Chain of Custoc	ly					
1. Is Chain of Custo	dy complete?		Yes 🗌	No 🗹	Not Present	
2. How was the sam	ple delivered?		<u>Courier</u>			
Log In 3. Was an attempt r	nade to cool the sample	es?	Yes 🗸	No 🗆	na 🗆	
4. Were all samples	received at a temperate	ure of >0° C to 6.0°C	Yes 🗸	No 🗌	NA 🗆	
5. Sample(s) in prop	er container(s)?		Yes 🗸	No 🗌		
6. Sufficient sample	volume for indicated te	st(s)?	Yes 🗸	No 🗌		
7. Are samples (exce	ept VOA and ONG) pro	perly 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 br	oken?	Yes	No 🗹	# of preserved bottles checked	
11. Does paperwork r	natch bottle labels? es on chain of custody)		Yes 🗸	No 🗆	for pH:	nless noted)
12. Are matrices corre	ectly identified on Chain	of Custody?	Yes 🗸	No 🗌	Adjusted?	
13, Is it clear what an	alyses were requested?	•	Yes 🗹	No 🗌	/	1 1.0
14. Were all holding to (If no, notify custo	mes able to be met? mer for authorization.)		Yes 🗸	No 🗆	Checked by: 71/1/1	5/10/11
Special Handling	(if applicable)					
	d of all discrepancies w	ith this order?	Yes 🗌	No 🗌	NA 🗹	
Person Not	ified:	Dat	e: [The second second second		
By Whom:	1	Via	eMail 🔲 P	hone 🔲 Fax	In Person	
Regarding:	-					
Client Instru	uctions: Mailing addre	ss, phone number and E	mail are missing on	COC- TMC 5/2	20/23	
16. Additional remar	ks:					
17. Cooler Informat	ion					
	Temp °C Condition	Seal Intact Seal No	Seal Date	Signed By		
1 5.	3 Good	Yes Yogi				

	Contract Contract	Client:	Mert	of-Cu	Chain-of-Custody Record " Vertex (Siverback)	Reco uk)	D.	Turn-Around Time:	d Time:	5 day			T 4	HALL ENVIR ANALYSIS L	E E	SIS	IR	ENVIRONMENTAL YSIS LABORATORY	YEN RAT	ΕÖ	ړ∟
The following NE Address Dr. Lill. Dr. Mark D	The following in the complement of the complem							Project Name:	ë:	5				www.	haller	ivironi	nenta	I.com			
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	10 10 10 10 10 10 10 10				0			Project #:				Tel.	505-3	45-39	75	Fax	505-3	45-410	7		
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Continue Continue	Container Container Preservative HEALNO. Container Preservative Preservativ	stant redit	ation:	□ Az Co	mpliance	+ (rull val	l l	Sampler:						0728 -	ON	¹⁷ 0.11	()	resen		5	_ ^
10 10 10 10 10 10 10 10	EDD Crype # of Coolers:	NELA	Ç	□ Other				On Ice:						10 O		15.	ΑΟ	ط) u			
1035 BH 23 - 29 Container Preservative HEALNO. EXT. A B C B C	1025 BH 23 - 29 2 1000 BH 23 - 30 2 1000		(Type)					# of Coolers	1	63.				158				nıol			
1035 BH 23 - 29 4' 1000 BH 23 - 30 4' 1000 BH 23 - 31 4' 1000 BH 23 - 31 4' 1000 BH 23 - 32 4' 1000 BH 23 - 31 4' 1000 BH 23 - 32 5' 1000 BH 23 - 32	1035 24 24 24 24 25 25 25 2	_						Cooler len	neluding CF).	-0.(4.3.2				kq s				Coli			
1035 18423-29 2' 4' 4' 4' 6002 6003 6004 6003 6004 6003 6004 6003 6004 6003 6004 6003 6004 6005 6004 6005 6004 6005 6004 6005	1035 181 18123-29 2' 1002 1002 1003 1000			Matrix	Sample	Name	ě	Container Type and #		HEAL No.				НАЧ	\sim	\sim		Total		_	
1035 BH23-29 2' 0003 0004 1000 BH23-29 2' 0003 1000 BH23-30 2' 0004 1000 BH23-30 2' 0006 X X X 1000 BH23-31 2' 0005 1000 10	1035 BH 23 - 29 2' 0003 0004 1000 BH 23 - 29 4' 0003 1000 1000 BH 23 - 30 2' 0000 0		1030	i <u>é</u>	12473	-29	10		100	1001								2			
1700 BH 23-29 4' 0004 0004 1105 BH 23-30 2' 0004 1105 BH 23-30 4' 0005 1125 BH 23-31 2' 0005 1135 BH 23-31 2' 0005 1135 BH 23-31 2' 0005 1135 BH 23-32 2' 0010	100 BH 23 - 29 4' 0004 0004 1105 BH 23 - 30 2' 0006 X X X 1105 BH 23 - 30 4' 0005 X X 1105 BH 23 - 31 2' 0005 1105 BH 23 - 31 2' 0005 1105 BH 23 - 32 2' 0100 0	11	1035	_	BH 23	- 29	17	>-		200				н				-		-	
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1135 BH 23-31 4' 009 010 0	135 BH 23-31 4' Cont C		1130		BH 23	1-31	2'			900			-						1	+	1
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155 BH 23-32 4' ONT X	1755 RH 23-32 2' CM X X		1150		BH 25	3-32	Q,	2		010			-			_		1			1
12.05 BH 23-32 4' ON X	1205 BH 23-32 4' Received by: Via: Date Time Remarks: Shift Sittle Sittl		155		RH 2	3-32	2'	= 1		100		\dashv									#
18/23 1801 Sally Catton Management Mana	te: Time: Relinquished by: Received by: Via: Date Time Remarks: Received by: Via: Date Time Remarks: Received by: Via: Via: Courter to It Sturbuck Received by: Via: Courter Date Time C. Scurtfuck William P. Via: Courter to Other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.		1205		BH 23	-32	4′	_	_		X	$\overline{}$	_			_				2.5	\exists
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	The processary, samples of the little of the subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.	2	128	JA		C	,	\		5/20/23	ij.	}									11

	ANALYSIS LABORATORY	www.hallenvironmental.com	4901 Hawki	Tel. 505-345-3975	√nal	*O\$	PCB's PCB's	S808\2(1) \(\frac{1.\p0}{\text{C1}}\)	ides ides ides ides ides ides ides	etho y 83 h Me r, <i>N</i> OA)	BTEX / 8081 Pe 8081 Pe PAHs by RCRA 8 (C) F, B 8260 (V 8270 (S	<u> </u>	7					[11] [2] [2] [2] [2] [2] [2] [2] [2] [2] [2	The second secon		Remarks:		CC Startfar @ vertex. Ca 0 2/2
Turn-Around Time:	□ Standard ☑ Rush 5 day	Project Name:	Dayton Reycle Reliase	Project #:	236 - 01248	Project Manager:	Mike Nowak	SPC D No		Cooler Temp(including CF): 5.4 - 6.1=5.3 (°	Container Preservative HEAL No. Type and # Type		10 11 m	Lichard Calendary (1971)	The second secon		A STATE OF THE STA	A LIBERT WATER TO STATE OF THE		1	Received by: Via: Date Time	MULL 5/19/23	Via:Courie Date
Chain-of-Custody Record	Client: Ver4ck (Sijvertrack)		Mailing Address: ON Lill		Phone #:	email or Fax#:	QA/QC Package: □ Standard □ Level 4 (Full Validation)	☐ Az Compliance ☐ Other			Date Time Matrix Sample Name	5/18/23 1220 8021 BH23-33 O'	in 1225 ii BH23-33 2'								Relinquished by:	Saly Corton	Date: Time: Relinquished by:

Released to Imaging: 3/18/2024 3:12:53 PM



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

June 22, 2023

Michael Moffitt Vertex Resources Services, Inc. 3101 Boyd Drive Carlsbad, NM 88220 TEL: (505) 506-0040

FAX:

RE: Dayton Recycle Release OrderNo.: 2306560

Dear Michael Moffitt:

Hall Environmental Analysis Laboratory received 6 sample(s) on 6/10/2023 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

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

Sincerely,

Andy Freeman

Laboratory Manager

Indest

4901 Hawkins NE

Albuquerque, NM 87109

Date Reported: 6/22/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.

Client Sample ID: BH23-69 0'

 Project:
 Dayton Recycle Release
 Collection Date: 6/9/2023 10:00:00 AM

 Lab ID:
 2306560-001
 Matrix: SOIL
 Received Date: 6/10/2023 7:20:00 AM

 Analyses
 Result
 RL Qual Units
 DF
 Date Analyzed

 EPA METHOD 300.0: ANIONS
 Analyst: SNS

 Chloride
 290
 60
 mg/Kg
 20
 6/15/2023 10:38:57 PM

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

Qualifiers:

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

Page 1 of 13

Date Reported: 6/22/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.

Client Sample ID: BH23-70 0'

 Project:
 Dayton Recycle Release
 Collection Date: 6/9/2023 10:05:00 AM

 Lab ID:
 2306560-002
 Matrix: SOIL
 Received Date: 6/10/2023 7:20:00 AM

 Analyses
 Result
 RL Qual Units
 DF
 Date Analyzed

 EPA METHOD 300.0: ANIONS
 Analyst: SNS

 Chloride
 200
 60
 mg/Kg
 20
 6/15/2023 10:51:22 PM

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

Qualifiers:

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

Page 2 of 13

Date Reported: 6/22/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: BH23-71 0'

 Project:
 Dayton Recycle Release
 Collection Date: 6/9/2023 10:10:00 AM

 Lab ID:
 2306560-003
 Matrix: SOIL
 Received Date: 6/10/2023 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS					Analyst: PRD
Diesel Range Organics (DRO)	1600	90		mg/Kg	10	6/16/2023 5:15:13 PM
Motor Oil Range Organics (MRO)	2200	450		mg/Kg	10	6/16/2023 5:15:13 PM
Surr: DNOP	0	69-147	S	%Rec	10	6/16/2023 5:15:13 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: KMN
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	6/18/2023 2:41:00 AM
Surr: BFB	97.0	15-244		%Rec	1	6/18/2023 2:41:00 AM
EPA METHOD 8021B: VOLATILES						Analyst: KMN
Benzene	ND	0.025		mg/Kg	1	6/19/2023 4:40:00 PM
Toluene	ND	0.050		mg/Kg	1	6/19/2023 4:40:00 PM
Ethylbenzene	ND	0.050		mg/Kg	1	6/19/2023 4:40:00 PM
Xylenes, Total	ND	0.10		mg/Kg	1	6/19/2023 4:40:00 PM
Surr: 4-Bromofluorobenzene	97.0	39.1-146		%Rec	1	6/19/2023 4:40:00 PM
EPA METHOD 300.0: ANIONS						Analyst: SNS
Chloride	3100	150		mg/Kg	50	6/19/2023 12:34:30 PM

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

Qualifiers:

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

Page 3 of 13

Date Reported: 6/22/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.

Client Sample ID: BH23-72 0'

 Project:
 Dayton Recycle Release
 Collection Date: 6/9/2023 10:15:00 AM

 Lab ID:
 2306560-004
 Matrix: SOIL
 Received Date: 6/10/2023 7:20:00 AM

Analyses	Result	RL Qua	al Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS					Analyst: SNS
Chloride	4400	150	mg/Kg	50	6/19/2023 12:46:50 PM

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

Qualifiers:

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

Page 4 of 13

Date Reported: 6/22/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.

Client Sample ID: BH23-73 0'

 Project:
 Dayton Recycle Release
 Collection Date: 6/9/2023 10:35:00 AM

 Lab ID:
 2306560-005
 Matrix: SOIL
 Received Date: 6/10/2023 7:20:00 AM

 Analyses
 Result
 RL
 Qual
 Units
 DF
 Date Analyzed

 EPA METHOD 300.0: ANIONS
 Analyst: SNS

 Chloride
 2800
 150
 mg/Kg
 50
 6/19/2023 12:59:10 PM

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

Qualifiers:

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

Page 5 of 13

Date Reported: 6/22/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.

Client Sample ID: BH23-74 0'

 Project:
 Dayton Recycle Release
 Collection Date: 6/9/2023 10:40:00 AM

 Lab ID:
 2306560-006
 Matrix: SOIL
 Received Date: 6/10/2023 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS					Analyst: PRD
Diesel Range Organics (DRO)	540	86		mg/Kg	10	6/16/2023 5:56:32 PM
Motor Oil Range Organics (MRO)	1500	430		mg/Kg	10	6/16/2023 5:56:32 PM
Surr: DNOP	0	69-147	S	%Rec	10	6/16/2023 5:56:32 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: KMN
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	6/18/2023 3:02:00 AM
Surr: BFB	97.1	15-244		%Rec	1	6/18/2023 3:02:00 AM
EPA METHOD 8021B: VOLATILES						Analyst: KMN
Benzene	ND	0.024		mg/Kg	1	6/19/2023 5:02:00 PM
Toluene	ND	0.048		mg/Kg	1	6/19/2023 5:02:00 PM
Ethylbenzene	ND	0.048		mg/Kg	1	6/19/2023 5:02:00 PM
Xylenes, Total	ND	0.096		mg/Kg	1	6/19/2023 5:02:00 PM
Surr: 4-Bromofluorobenzene	96.7	39.1-146		%Rec	1	6/19/2023 5:02:00 PM
EPA METHOD 300.0: ANIONS						Analyst: SNS
Chloride	3800	150		mg/Kg	50	6/19/2023 1:11:31 PM

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

Qualifiers:

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

Page 6 of 13

Hall Environmental Analysis Laboratory, Inc.

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WO#:

22-Jun-23

2306560

Client: Vertex Resources Services, Inc.

Project: Dayton Recycle Release

Sample ID: MB-75634 SampType: MBLK TestCode: EPA Method 300.0: Anions

Client ID: PBS Batch ID: 75634 RunNo: 97471

Prep Date: 6/15/2023 Analysis Date: 6/15/2023 SeqNo: 3542367 Units: mg/Kg

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

Chloride ND 1.5

Sample ID: LCS-75634 SampType: LCS TestCode: EPA Method 300.0: Anions

Client ID: LCSS Batch ID: 75634 RunNo: 97471

Prep Date: 6/15/2023 Analysis Date: 6/15/2023 SeqNo: 3542368 Units: mg/Kg

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

Chloride 14 1.5 15.00 0 94.0 90 11

Sample ID: MB-75661 SampType: MBLK TestCode: EPA Method 300.0: Anions

Client ID: **PBS** Batch ID: **75661** RunNo: **97535**

Prep Date: 6/16/2023 Analysis Date: 6/16/2023 SeqNo: 3544534 Units: mg/Kg

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

Chloride ND 1.5

Sample ID: LCS-75661 SampType: LCS TestCode: EPA Method 300.0: Anions

Client ID: LCSS Batch ID: 75661 RunNo: 97535

Prep Date: 6/16/2023 Analysis Date: 6/16/2023 SeqNo: 3544535 Units: mg/Kg

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

Chloride 14 1.5 15.00 0 95.0 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 Quanitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 7 of 13

Hall Environmental Analysis Laboratory, Inc.

WO#: **2306560**

22-Jun-23

Client: Vertex Resources Services, Inc.

Project: Dayton Recycle Release

Sample ID: LCS-75592	SampT	ype: LC :	S	Tes	tCode: EF	PA Method	8015M/D: Die	sel Range	Organics	
Client ID: LCSS	Batch	1D: 755	92	F	RunNo: 97	7480				
Prep Date: 6/14/2023	Analysis D	ate: 6/ 1	15/2023	5	SeqNo: 3	541824	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	36	10	50.00	0	72.7	61.9	130			
Surr: DNOP	47		5 000		93.7	69	147			

 Surr: DNOP
 4.7
 5.000
 93.7
 69
 147

 Sample ID: MB-75592
 SampType: MBLK
 TestCode: EPA Method 8015M/D: Diesel Range Organics

Client ID: **PBS** Batch ID: **75592** RunNo: **97480**

Prep Date: 6/14/2023 Analysis Date: 6/15/2023 SeqNo: 3541827 Units: mg/Kg

SPK value SPK Ref Val %REC HighLimit %RPD **RPDLimit** Analyte Result **PQL** LowLimit Qual Diesel Range Organics (DRO) ND 10 Motor Oil Range Organics (MRO) ND 50 Surr: DNOP 9.7 10.00 96.5 147

Sample ID: LCS-75600 SampType: LCS TestCode: EPA Method 8015M/D: Diesel Range Organics Client ID: LCSS Batch ID: 75600 RunNo: 97480 Prep Date: 6/14/2023 Analysis Date: 6/15/2023 SeqNo: 3542195 Units: %Rec SPK value SPK Ref Val %REC **PQL** %RPD **RPDLimit** Analyte Result LowLimit HighLimit Qual

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual Surr: DNOP 4.2 5.000 83.4 69 147

Sample ID: MB-75600 SampType: MBLK TestCode: EPA Method 8015M/D: Diesel Range Organics Client ID: **PBS** Batch ID: 75600 RunNo: 97480 Analysis Date: 6/15/2023 Prep Date: 6/14/2023 SeqNo: 3542197 Units: %Rec SPK value SPK Ref Val %REC %RPD **RPDLimit** Analyte Result **PQL** Lowl imit HighLimit Qual Surr: DNOP 8.1 10.00 80.6 69 147

Sample ID: LCS-75609 SampType: LCS TestCode: EPA Method 8015M/D: Diesel Range Organics Client ID: LCSS Batch ID: 75609 RunNo: 97521 Prep Date: 6/15/2023 Analysis Date: 6/16/2023 SeqNo: 3546967 Units: %Rec Analyte Result **PQL** SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual Surr: DNOP 69 5.0 5.000 100 147

Sample ID: LCS-75623 TestCode: EPA Method 8015M/D: Diesel Range Organics SampType: LCS Client ID: LCSS Batch ID: 75623 RunNo: 97521 Prep Date: Analysis Date: 6/16/2023 SeqNo: 3546969 6/15/2023 Units: %Rec SPK value SPK Ref Val %REC %RPD **RPDLimit** Qual Analyte Result POI I owl imit HighLimit

Surr: DNOP 4.9 5.000 97.8 69 147

Qualifiers:

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

Page 8 of 13

Hall Environmental Analysis Laboratory, Inc.

D#: 2306560

WO#:

22-Jun-23

Client: Vertex Resources Services, Inc.

Project: Dayton Recycle Release

Sample ID: LCS-75644 SampType: LCS TestCode: EPA Method 8015M/D: Diesel Range Organics

Client ID: LCSS Batch ID: 75644 RunNo: 97521

Prep Date: 6/15/2023 Analysis Date: 6/16/2023 SeqNo: 3546970 Units: %Rec

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

 Surr: DNOP
 4.8
 5.000
 96.0
 69
 147

Sample ID: MB-75609 SampType: MBLK TestCode: EPA Method 8015M/D: Diesel Range Organics

Client ID: PBS Batch ID: 75609 RunNo: 97521

Prep Date: 6/15/2023 Analysis Date: 6/16/2023 SeqNo: 3546972 Units: %Rec

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

Surr: DNOP 11 10.00 112 69 147

Sample ID: MB-75623 SampType: MBLK TestCode: EPA Method 8015M/D: Diesel Range Organics Batch ID: 75623 Client ID: PRS RunNo: 97521 Prep Date: 6/15/2023 Analysis Date: 6/16/2023 SeqNo: 3546974 Units: %Rec Analyte Result SPK value SPK Ref Val %REC HighLimit %RPD **RPDLimit** Qual LowLimit

99.3

69

147

Sample ID: MB-75644 SampType: MBLK TestCode: EPA Method 8015M/D: Diesel Range Organics

Client ID: PBS Batch ID: 75644 RunNo: 97521

9.9

Prep Date: 6/15/2023 Analysis Date: 6/16/2023 SeqNo: 3546975 Units: %Rec

10.00

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

Surr: DNOP 9.3 10.00 93.3 69 14

Qualifiers:

Surr: DNOP

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

Page 9 of 13

Hall Environmental Analysis Laboratory, Inc.

2306560 22-Jun-23

WO#:

Client: Vertex Resources Services, Inc.

Project: Dayton Recycle Release

Sample ID: Ics-75583	SampType: LCS	TestCode: EPA Method 8015D: Gasoline Range
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Client ID: LCSS Batch ID: 75583 RunNo: 97501

Prep Date: 6/14/2023 Analysis Date: 6/16/2023 SeqNo: 3543011 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	97.6	70	130				
Surr: BFB	2200		1000		216	15	244				

Sample ID: mb-75583	SampType: MBLK	TestCode: EPA Method 8015D: Gasoline Range
Client ID: PBS	Batch ID: 75583	RunNo: 97501
Prep Date: 6/14/2023	Analysis Date: 6/16/2023	SeqNo: 3543012 Units: mg/Kg
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

5.0 Gasoline Range Organics (GRO) ND Surr: BFB 970 1000 96.9 15 244

Sample ID: Ics-75597	SampType: LCS	TestCode: EPA Method	8015D: Gasoline Range	•
Client ID: LCSS	Batch ID: 75597	RunNo: 97537		
Prep Date: 6/14/2023	Analysis Date: 6/18/2023	SeqNo: 3544808	Units: %Rec	
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit Qual
Surr: BFB	2100 1000	215 15	244	<u> </u>

Sample ID: mb-75597	SampType: MBLK	TestCode: EPA Method 8015D: Gasoline Range
Client ID: PBS	Batch ID: 75597	RunNo: 97537
Prep Date: 6/14/2023	Analysis Date: 6/18/2023	SeqNo: 3544809 Units: %Rec
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Surr: BFB	1000 1000	103 15 244

Sample ID: Ics-75614	SampType: LCS	TestCode: EPA Meth	nod 8015D: Gasoline Range	•
Client ID: LCSS	Batch ID: 75614	RunNo: 97537		
Prep Date: 6/15/2023	Analysis Date: 6/18/2023	SeqNo: 3545009	Units: %Rec	
Analyte	Result PQL SPK value	ie SPK Ref Val %REC LowLi	mit HighLimit %RPD	RPDLimit Qual
Surr: BFB	2200 100	0 217	15 244	

Sample ID: mb-75614	SampType: MBLK	TestCode: EPA Method	8015D: Gasoline Range	!
Client ID: PBS	Batch ID: 75614	RunNo: 97537		
Prep Date: 6/15/2023	Analysis Date: 6/18/2023	SeqNo: 3545010	Units: %Rec	
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit Qual
Surr: BFB	1100 1000	109 15	244	

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- Holding times for preparation or analysis exceeded
- Not Detected at the Reporting Limit
- POL Practical Quanitative Limit
- % Recovery outside of standard limits. If undiluted results may be estimated.
- Analyte detected in the associated Method Blank
- Above Quantitation Range/Estimated Value
- Analyte detected below quantitation limits
- Sample pH Not In Range
- Reporting Limit RL

Page 10 of 13

Hall Environmental Analysis Laboratory, Inc.

2306560 22-Jun-23

WO#:

Client: Vertex Resources Services, Inc.

Project: Dayton Recycle Release

Sample ID: Ics-75597 SampType: LCS TestCode: EPA Method 8015D: Gasoline Range

Client ID: LCSS Batch ID: 75597 RunNo: 97558

Prep Date: 6/14/2023 Analysis Date: 6/19/2023 SeqNo: 3545956 Units: %Rec

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

Surr: BFB 2200 1000 222 15 244

Sample ID: mb-75597 SampType: MBLK TestCode: EPA Method 8015D: Gasoline Range

Client ID: PBS Batch ID: 75597 RunNo: 97558

Prep Date: 6/14/2023 Analysis Date: 6/19/2023 SeqNo: 3545957 Units: %Rec

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

Surr: BFB 1000 1000 99.9 15 244

Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

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

B Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Page 11 of 13

Hall Environmental Analysis Laboratory, Inc.

WO#: **2306560 22-Jun-23**

Client: Vertex Resources Services, Inc.

Project: Dayton Recycle Release

Sample ID: Ics-75583	SampType: LCS	TestCode: EPA Method	8021B: Volatiles	
Client ID: LCSS	Batch ID: 75583	RunNo: 97501		
Prep Date: 6/14/2023	Analysis Date: 6/16/2023	SeqNo: 3543043	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 98.0 70	130	
Toluene	0.98 0.050 1.000	0 98.2 70	130	
Ethylbenzene	0.98 0.050 1.000	0 97.8 70	130	
Xylenes, Total	2.9 0.10 3.000	0 97.7 70	130	
Surr: 4-Bromofluorobenzene	0.95 1.000	95.5 39.1	146	
Sample ID: mb-75583	SampType: MBLK	TestCode: EPA Method	8021B: Volatiles	
Client ID: PBS	Batch ID: 75583	RunNo: 97501		
Prep Date: 6/14/2023	Analysis Date: 6/16/2023	SeqNo: 3543044	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	0.93 1.000	93.3 39.1	146	
Sample ID: Ics-75597	SampType: LCS	TestCode: EPA Method 8021B: Volatiles		
Client ID: LCSS	Batch ID: 75597	RunNo: 97537		
Prep Date: 6/14/2023	Analysis Date: 6/18/2023	SeqNo: 3544873	Units: %Rec	
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit Qual
Surr: 4-Bromofluorobenzene	0.95 1.000	94.7 39.1	146	
Sample ID: mb-75597	SampType: MBLK	TestCode: EPA Method	8021B: Volatiles	
Client ID: PBS	Batch ID: 75597	RunNo: 97537		
Prep Date: 6/14/2023	Analysis Date: 6/18/2023	SeqNo: 3544874	Units: %Rec	
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit Qual
Surr: 4-Bromofluorobenzene	0.92 1.000	92.3 39.1	146	
Sample ID: Ics-75614	SampType: LCS	TestCode: EPA Method	8021B: Volatiles	

Qualifiers:

Client ID:

Prep Date:

Analyte

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix

LCSS

Surr: 4-Bromofluorobenzene

6/15/2023

- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.

Batch ID: 75614

Analysis Date: 6/18/2023

PQL

Result

1.0

B Analyte detected in the associated Method Blank

RunNo: 97537

%REC

103

SeqNo: 3545011

LowLimit

39.1

Units: %Rec

HighLimit

146

%RPD

- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

SPK value SPK Ref Val

1.000

Page 12 of 13

RPDLimit

Qual

Hall Environmental Analysis Laboratory, Inc.

WO#: **2306560 22-Jun-23**

Client: Vertex Resources Services, Inc.

Project: Dayton Recycle Release

Sample ID: mb-75614 SampType: MBLK TestCode: EPA Method 8021B: Volatiles

Client ID: PBS Batch ID: 75614 RunNo: 97537

Prep Date: 6/15/2023 Analysis Date: 6/18/2023 SeqNo: 3545012 Units: %Rec

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

Surr: 4-Bromofluorobenzene 1.0 1.000 100 39.1 146

Sample ID: Ics-75597 SampType: LCS TestCode: EPA Method 8021B: Volatiles

Client ID: LCSS Batch ID: 75597 RunNo: 97558

Prep Date: 6/14/2023 Analysis Date: 6/19/2023 SeqNo: 3546026 Units: %Rec

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

Surr: 4-Bromofluorobenzene 1.0 1.000 99.7 39.1 146

Sample ID: mb-75597 SampType: MBLK TestCode: EPA Method 8021B: Volatiles

Client ID: **PBS** Batch ID: **75597** RunNo: **97558**

Prep Date: 6/14/2023 Analysis Date: 6/19/2023 SeqNo: 3546027 Units: %Rec

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

Surr: 4-Bromofluorobenzene 0.95 1.000 95.2 39.1 146

Qualifiers:

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

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

Released to Imaging: 3/18/2024 3:12:53 PM

-	ertex Resources ervices, Inc.	Work	Order Numbe	г: 2306560		RcptNo	1
Received By: ,	Juan Rojas	6/10/20	23 7:20:00 AN	Л	Hansay.		
Completed By:	Juan Rojas	6/10/20	23 8:21:26 AM	Л	Hoursay		
Reviewed By: C	m	a112/	29		ŕ		
Chain of Custo	dy						
1. Is Chain of Cust	ody complete?			Yes 🗌	No 🗹	Not Present	
2. How was the sa	mple delivered?			Courier			
Log In		1. 0		Yes 🗹	No 🗆	na 🗆	
3. vvas an attempt	made to cool the sam	pies?		res 💌	NO 🗀	IVA L	
4. Were all sample:	s received at a temper	rature of >0° C	to 6.0°C	Yes 🗹	No 🗌	na 🗆	
5. Sample(s) in pro	per container(s)?			Yes 🗹	No 🗌		
6. Sufficient sample	volume for indicated	test(s)?		Yes 🗹	No 🗌		
7. Are samples (exc	cept VOA and ONG) p	roperly preserve	ed?	Yes 🗹	No 📙	_	
8. Was preservative	e added to bottles?			Yes 🗌	No 🗹	NA 🗌	
9. Received at leas	t 1 vial with headspace	e <1/4" for AQ \	/OA?	Yes 🗌	No 🗌	NA 🗹	
10. Were any sample	e containers received	broken?		Yes 🗌	No 🗹	# of preserved bottles checked	
11. Does paperwork (Note discrepand	match bottle labels?	ly)		Yes 🗸	No 🗆	for pH:	r >12 unless neted)
12. Are matrices cor	rectly identified on Cha	ain of Custody?		Yes 🗹	No 🗌	Adjusted?	
13. Is it clear what a	nalyses were requeste	ed?		Yes 🗹	No 🗆		(1
_	times able to be met? omer for authorization			Yes 🗹	No 🗌	Checked by:	706/10/2
Special Handlin	g (if applicable)						
15. Was client notifi	ed of all discrepancies	with this order	?	Yes 🗌	No 🗌	NA 🗹	
Person No	tified:		Date				
By Whom			Via:	eMail] Phone [] Fax	In Person	
Regarding							
Client Inst	ructions:						
16. Additional rema	rks:						
Client mis	sing mailing address,	phone number,	and email add	ress. JR 6/10	/23		
17. Cooler Informa	<u>ation</u>						
Cooler No	Temp °C Condition			Seal Date	Signed By		
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Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

July 11, 2023

Mike Moffit Silverback Exploration 19707 IH10 W Suit 201 San Antonio, TX 78257 TEL: (210) 585-3316

FAX:

RE: Dayton Recycle OrderNo.: 2307085

Dear Mike Moffit:

Hall Environmental Analysis Laboratory received 8 sample(s) on 7/5/2023 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

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

Sincerely,

Andy Freeman

Laboratory Manager

andyl

4901 Hawkins NE

Albuquerque, NM 87109

Date Reported: 7/11/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Silverback Exploration Client Sample ID: TP23-101 0'

 Project:
 Dayton Recycle
 Collection Date: 6/30/2023 10:00:00 AM

 Lab ID:
 2307085-001
 Matrix: SOIL
 Received Date: 7/5/2023 7:35:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE OF	RGANICS				Analyst: DGH
Diesel Range Organics (DRO)	ND	9.5	mg/Kg	1	7/6/2023 6:37:09 PM
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	7/6/2023 6:37:09 PM
Surr: DNOP	87.6	69-147	%Rec	1	7/6/2023 6:37:09 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: KMN
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	7/7/2023 10:51:00 AM
Surr: BFB	92.5	15-244	%Rec	1	7/7/2023 10:51:00 AM
EPA METHOD 8021B: VOLATILES					Analyst: KMN
Benzene	ND	0.024	mg/Kg	1	7/7/2023 10:51:00 AM
Toluene	ND	0.049	mg/Kg	1	7/7/2023 10:51:00 AM
Ethylbenzene	ND	0.049	mg/Kg	1	7/7/2023 10:51:00 AM
Xylenes, Total	ND	0.098	mg/Kg	1	7/7/2023 10:51:00 AM
Surr: 4-Bromofluorobenzene	91.7	39.1-146	%Rec	1	7/7/2023 10:51:00 AM
EPA METHOD 300.0: ANIONS					Analyst: RBC
Chloride	ND	60	mg/Kg	20	7/6/2023 11:56:52 PM

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

Qualifiers:

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

Page 1 of 12

Date Reported: 7/11/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Silverback Exploration Client Sample ID: TP23-101 2'

Project: Dayton Recycle **Collection Date:** 6/30/2023 10:05:00 AM 2307085-002 Lab ID: Matrix: SOIL **Received Date:** 7/5/2023 7:35:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analyst: DGH
Diesel Range Organics (DRO)	ND	9.3	mg/Kg	1	7/6/2023 6:48:14 PM
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	7/6/2023 6:48:14 PM
Surr: DNOP	83.0	69-147	%Rec	1	7/6/2023 6:48:14 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: KMN
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	7/7/2023 11:13:00 AM
Surr: BFB	98.4	15-244	%Rec	1	7/7/2023 11:13:00 AM
EPA METHOD 8021B: VOLATILES					Analyst: KMN
Benzene	ND	0.025	mg/Kg	1	7/7/2023 11:13:00 AM
Toluene	ND	0.050	mg/Kg	1	7/7/2023 11:13:00 AM
Ethylbenzene	ND	0.050	mg/Kg	1	7/7/2023 11:13:00 AM
Xylenes, Total	ND	0.099	mg/Kg	1	7/7/2023 11:13:00 AM
Surr: 4-Bromofluorobenzene	94.6	39.1-146	%Rec	1	7/7/2023 11:13:00 AM
EPA METHOD 300.0: ANIONS					Analyst: RBC
Chloride	ND	60	mg/Kg	20	7/6/2023 10:55:10 PM

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

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- Practical Quanitative Limit
- % Recovery outside of standard limits. If undiluted results may be estimated.
- Analyte detected in the associated Method Blank
- Above Quantitation Range/Estimated Value Е
- J Analyte detected below quantitation limits
- Sample pH Not In Range

RL Reporting Limit Page 2 of 12

Date Reported: 7/11/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Silverback Exploration Client Sample ID: TP23-102 2'

 Project:
 Dayton Recycle
 Collection Date: 6/30/2023 10:10:00 AM

 Lab ID:
 2307085-003
 Matrix: SOIL
 Received Date: 7/5/2023 7:35:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE (ORGANICS				Analyst: DGH
Diesel Range Organics (DRO)	ND	9.6	mg/Kg	1	7/6/2023 6:59:19 PM
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	7/6/2023 6:59:19 PM
Surr: DNOP	83.1	69-147	%Rec	1	7/6/2023 6:59:19 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: KMN
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	7/7/2023 11:35:00 AM
Surr: BFB	95.8	15-244	%Rec	1	7/7/2023 11:35:00 AM
EPA METHOD 8021B: VOLATILES					Analyst: KMN
Benzene	ND	0.025	mg/Kg	1	7/7/2023 11:35:00 AM
Toluene	ND	0.050	mg/Kg	1	7/7/2023 11:35:00 AM
Ethylbenzene	ND	0.050	mg/Kg	1	7/7/2023 11:35:00 AM
Xylenes, Total	ND	0.10	mg/Kg	1	7/7/2023 11:35:00 AM
Surr: 4-Bromofluorobenzene	93.4	39.1-146	%Rec	1	7/7/2023 11:35:00 AM
EPA METHOD 300.0: ANIONS					Analyst: RBC
Chloride	ND	60	mg/Kg	20	7/7/2023 12:09:14 AM

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

Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

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

B Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Page 3 of 12

Date Reported: 7/11/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Silverback Exploration Client Sample ID: TP23-102 4'

 Project:
 Dayton Recycle
 Collection Date: 6/30/2023 10:15:00 AM

 Lab ID:
 2307085-004
 Matrix: SOIL
 Received Date: 7/5/2023 7:35:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst: DGH
Diesel Range Organics (DRO)	ND	9.5	mg/Kg	1	7/6/2023 7:10:23 PM
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	7/6/2023 7:10:23 PM
Surr: DNOP	82.6	69-147	%Rec	1	7/6/2023 7:10:23 PM
EPA METHOD 8015D: GASOLINE RANGE	₫				Analyst: KMN
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	7/7/2023 11:57:00 AM
Surr: BFB	97.5	15-244	%Rec	1	7/7/2023 11:57:00 AM
EPA METHOD 8021B: VOLATILES					Analyst: KMN
Benzene	ND	0.025	mg/Kg	1	7/7/2023 11:57:00 AM
Toluene	ND	0.050	mg/Kg	1	7/7/2023 11:57:00 AM
Ethylbenzene	ND	0.050	mg/Kg	1	7/7/2023 11:57:00 AM
Xylenes, Total	ND	0.10	mg/Kg	1	7/7/2023 11:57:00 AM
Surr: 4-Bromofluorobenzene	94.9	39.1-146	%Rec	1	7/7/2023 11:57:00 AM
EPA METHOD 300.0: ANIONS					Analyst: RBC
Chloride	ND	60	mg/Kg	20	7/7/2023 12:21:34 AM

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

Qualifiers:

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

Page 4 of 12

Date Reported: 7/11/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Silverback Exploration Client Sample ID: TP23-102 5'

 Project:
 Dayton Recycle
 Collection Date: 6/30/2023 10:20:00 AM

 Lab ID:
 2307085-005
 Matrix: SOIL
 Received Date: 7/5/2023 7:35:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analyst: DGH
Diesel Range Organics (DRO)	ND	9.5	mg/Kg	1	7/6/2023 7:21:27 PM
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	7/6/2023 7:21:27 PM
Surr: DNOP	74.8	69-147	%Rec	1	7/6/2023 7:21:27 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: KMN
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	7/7/2023 12:19:00 PM
Surr: BFB	96.4	15-244	%Rec	1	7/7/2023 12:19:00 PM
EPA METHOD 8021B: VOLATILES					Analyst: KMN
Benzene	ND	0.025	mg/Kg	1	7/7/2023 12:19:00 PM
Toluene	ND	0.049	mg/Kg	1	7/7/2023 12:19:00 PM
Ethylbenzene	ND	0.049	mg/Kg	1	7/7/2023 12:19:00 PM
Xylenes, Total	ND	0.099	mg/Kg	1	7/7/2023 12:19:00 PM
Surr: 4-Bromofluorobenzene	94.9	39.1-146	%Rec	1	7/7/2023 12:19:00 PM
EPA METHOD 300.0: ANIONS					Analyst: RBC
Chloride	87	60	mg/Kg	20	7/7/2023 12:33:55 AM

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

Qualifiers:

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

Page 5 of 12

Date Reported: 7/11/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Silverback Exploration Client Sample ID: TP23-103 2'

 Project:
 Dayton Recycle
 Collection Date: 6/30/2023 10:25:00 AM

 Lab ID:
 2307085-006
 Matrix: SOIL
 Received Date: 7/5/2023 7:35:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analyst: DGH
Diesel Range Organics (DRO)	ND	9.5	mg/Kg	1	7/6/2023 7:32:27 PM
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	7/6/2023 7:32:27 PM
Surr: DNOP	86.9	69-147	%Rec	1	7/6/2023 7:32:27 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: KMN
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	7/7/2023 12:41:00 PM
Surr: BFB	99.2	15-244	%Rec	1	7/7/2023 12:41:00 PM
EPA METHOD 8021B: VOLATILES					Analyst: KMN
Benzene	ND	0.025	mg/Kg	1	7/7/2023 12:41:00 PM
Toluene	ND	0.049	mg/Kg	1	7/7/2023 12:41:00 PM
Ethylbenzene	ND	0.049	mg/Kg	1	7/7/2023 12:41:00 PM
Xylenes, Total	ND	0.099	mg/Kg	1	7/7/2023 12:41:00 PM
Surr: 4-Bromofluorobenzene	95.0	39.1-146	%Rec	1	7/7/2023 12:41:00 PM
EPA METHOD 300.0: ANIONS					Analyst: RBC
Chloride	ND	60	mg/Kg	20	7/7/2023 12:46:15 AM

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

Qualifiers:

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

Page 6 of 12

Date Reported: 7/11/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Silverback Exploration Client Sample ID: TP23-103 4'

 Project:
 Dayton Recycle
 Collection Date: 6/30/2023 10:30:00 AM

 Lab ID:
 2307085-007
 Matrix: SOIL
 Received Date: 7/5/2023 7:35:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst: DGH
Diesel Range Organics (DRO)	ND	9.7	mg/Kg	1	7/6/2023 7:43:29 PM
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	7/6/2023 7:43:29 PM
Surr: DNOP	82.8	69-147	%Rec	1	7/6/2023 7:43:29 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: KMN
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	7/7/2023 1:02:00 PM
Surr: BFB	97.2	15-244	%Rec	1	7/7/2023 1:02:00 PM
EPA METHOD 8021B: VOLATILES					Analyst: KMN
Benzene	ND	0.024	mg/Kg	1	7/7/2023 1:02:00 PM
Toluene	ND	0.048	mg/Kg	1	7/7/2023 1:02:00 PM
Ethylbenzene	ND	0.048	mg/Kg	1	7/7/2023 1:02:00 PM
Xylenes, Total	ND	0.097	mg/Kg	1	7/7/2023 1:02:00 PM
Surr: 4-Bromofluorobenzene	95.4	39.1-146	%Rec	1	7/7/2023 1:02:00 PM
EPA METHOD 300.0: ANIONS					Analyst: RBC
Chloride	ND	60	mg/Kg	20	7/7/2023 12:58:36 AM

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

Qualifiers:

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

Page 7 of 12

Date Reported: 7/11/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Silverback Exploration Client Sample ID: TP23-103 5'

 Project:
 Dayton Recycle
 Collection Date: 6/30/2023 10:35:00 AM

 Lab ID:
 2307085-008
 Matrix: SOIL
 Received Date: 7/5/2023 7:35:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORG	GANICS				Analyst: DGH
Diesel Range Organics (DRO)	ND	9.8	mg/Kg	1	7/6/2023 7:54:27 PM
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	7/6/2023 7:54:27 PM
Surr: DNOP	83.7	69-147	%Rec	1	7/6/2023 7:54:27 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: KMN
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	7/7/2023 1:24:00 PM
Surr: BFB	97.5	15-244	%Rec	1	7/7/2023 1:24:00 PM
EPA METHOD 8021B: VOLATILES					Analyst: KMN
Benzene	ND	0.024	mg/Kg	1	7/7/2023 1:24:00 PM
Toluene	ND	0.048	mg/Kg	1	7/7/2023 1:24:00 PM
Ethylbenzene	ND	0.048	mg/Kg	1	7/7/2023 1:24:00 PM
Xylenes, Total	ND	0.097	mg/Kg	1	7/7/2023 1:24:00 PM
Surr: 4-Bromofluorobenzene	96.4	39.1-146	%Rec	1	7/7/2023 1:24:00 PM
EPA METHOD 300.0: ANIONS					Analyst: RBC
Chloride	ND	60	mg/Kg	20	7/7/2023 1:10:57 AM

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

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
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- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 8 of 12

Hall Environmental Analysis Laboratory, Inc.

WO#: **2307085**

11-Jul-23

Client: Silverback Exploration

Project: Dayton Recycle

Sample ID: MB-76040 SampType: MBLK TestCode: EPA Method 300.0: Anions

Client ID: PBS Batch ID: 76040 RunNo: 98000

Prep Date: 7/6/2023 Analysis Date: 7/6/2023 SeqNo: 3565793 Units: mg/Kg

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

Chloride ND 1.5

Sample ID: LCS-76040 SampType: LCS TestCode: EPA Method 300.0: Anions

Client ID: LCSS Batch ID: 76040 RunNo: 98000

Prep Date: 7/6/2023 Analysis Date: 7/6/2023 SeqNo: 3565794 Units: mg/Kg

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

Chloride 14 1.5 15.00 0 90.7 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 Quanitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 9 of 12

Hall Environmental Analysis Laboratory, Inc.

WO#: **2307085**

11-Jul-23

Client: Silverback Exploration

Project: Dayton Recycle

Sample ID: LCS-76032	SampT	SampType: LCS			tCode: El	de: EPA Method 8015M/D: Diesel Range Organics					
Client ID: LCSS	Batch	Batch ID: 76032 RunNo: 97976									
Prep Date: 7/6/2023	Analysis D	ate: 7/0	6/2023	SeqNo: 3564808			Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Diesel Range Organics (DRO)	40	10	50.00	0	80.6	61.9	130				
Surr: DNOP	3.9		5.000		77.1	69	147				

Sample ID: MB-76032	Samp1	уре: МЕ	BLK	Tes	estCode: EPA Method 8015M/D: Diesel Range Organics						
Client ID: PBS	Batch	n ID: 76 0	8032 RunNo: 97976								
Prep Date: 7/6/2023	Analysis D	Date: 7/	6/2023	S	SeqNo: 3	564811	Units: mg/K	g			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Diesel Range Organics (DRO)	ND	10									
Motor Oil Range Organics (MRO)	ND	50									
Surr: DNOP	8.4		10.00		83.5	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.
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- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 10 of 12

Hall Environmental Analysis Laboratory, Inc.

25

2300

WO#: **2307085** *11-Jul-23*

Client: Silverback Exploration

Project: Dayton Recycle

Sample ID: Ics-76025	SampType: LCS	TestCode: EPA Method 8015D: Gasoline Range	
Client ID: LCSS	Batch ID: 76025	RunNo: 97992	
Prep Date: 7/6/2023	Analysis Date: 7/7/2023	SeqNo: 3565537 Units: mg/Kg	
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit HighLimit %RPD	RPDLimit Qual
Gasoline Range Organics (GRO)	21 5.0 25.00	0 84.8 70 130	
Surr: BFB	2000 1000	199 15 244	
Sample ID: mb-76025	SampType: MBLK	TestCode: EPA Method 8015D: Gasoline Range	
Client ID: PBS	Batch ID: 76025	RunNo: 97992	
Prep Date: 7/6/2023	Analysis Date: 7/7/2023	SeqNo: 3565538 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	950 1000	94.6 15 244	
Sample ID: 2307085-001ams	SampType: MS	TestCode: EPA Method 8015D: Gasoline Range	
Client ID: TP23-101 0'	Batch ID: 76025	RunNo: 97992	
Prep Date: 7/6/2023	Analysis Date: 7/7/2023	SeqNo: 3566883 Units: mg/Kg	
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit HighLimit %RPD	RPDLimit Qual

Sample ID: 2307085-001ams	d Samp	SampType: MSD TestCode: EPA Method						line Range	•	
Client ID: TP23-101 0'	Bato	h ID: 76 0	025	F	RunNo: 9	7992				
Prep Date: 7/6/2023	Analysis I	Date: 7/	7/2023	5	SeqNo: 3	566884	Units: mg/K	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	23	4.9	24.44	0	94.1	70	130	9.23	20	
Surr: BFB	2100		977.5		215	15	244	0	0	

0

103

232

70

15

130

244

24.61

984.3

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix

Gasoline Range Organics (GRO)

Surr: BFB

- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 11 of 12

Hall Environmental Analysis Laboratory, Inc.

WO#: **2307085** *11-Jul-23*

Client: Silverback Exploration

Project: Dayton Recycle

Sample ID: Ics-76025	Samp	ampType: LCS TestCode: EPA Method 8			8021B: Volati	iles				
Client ID: LCSS	Batcl	h ID: 760)25	RunNo: 97992						
Prep Date: 7/6/2023	Analysis [Date: 7/ 7	7/2023 SeqNo: 3565540 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	86.6	70	130			
Toluene	0.90	0.050	1.000	0	89.6	70	130			
Ethylbenzene	0.91	0.050	1.000	0	90.5	70	130			
Xylenes, Total	2.7	0.10	3.000	0	90.5	70	130			
Surr: 4-Bromofluorobenzene	0.95		1.000		94.9	39.1	146			

Sample ID: mb-76025	SampT	Гуре: МЕ	BLK	Tes	tCode: EF	PA Method	8021B: Volati	olatiles				
Client ID: PBS	Batch	h ID: 76 0	025	F	RunNo: 97	7992						
Prep Date: 7/6/2023	Analysis D	Date: 7/	7/2023	SeqNo: 3565541			Units: mg/K					
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	0.93		1.000		93.1	39.1	146					

Sample ID: 2307085-002ams	SampT	ype: MS		Tes	tCode: EF	A Method	8021B: Volati	les		
Client ID: TP23-101 2'	Batch	1D: 760	25	F	RunNo: 97	7992				
Prep Date: 7/6/2023	Analysis Date: 7/7/2023 SeqNo: 3566907 Units: mg/Kg									
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.93	0.025	0.9960	0	93.0	70	130			
Toluene	0.97	0.050	0.9960	0	97.5	70	130			
Ethylbenzene	0.99	0.050	0.9960	0	99.3	70	130			
Xylenes, Total	3.0	0.10	2.988	0	99.4	70	130			
Surr: 4-Bromofluorobenzene	0.97		0.9960		97.2	39.1	146			

Sample ID: 2307085-002amsd	SampT	ampType: MSD TestCode: EPA Method					8021B: Volati	les			
Client ID: TP23-101 2'	Batch	n ID: 760	25	F	RunNo: 97	7992					
Prep Date: 7/6/2023	Analysis D	ate: 7/ 7	7/2023	5	SeqNo: 3	566908	Units: mg/K	(g			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Benzene	0.86	0.025	0.9921	0	86.8	70	130	7.37	20		
Toluene	0.90	0.050	0.9921	0	90.2	70	130	8.08	20		
Ethylbenzene	0.92	0.050	0.9921	0	92.6	70	130	7.41	20		
Xylenes, Total	2.8	0.099	2.976	0	92.4	70	130	7.66	20		
Surr: 4-Bromofluorobenzene	0.95		0.9921		95.6	39.1	146	0	0		

Qualifiers:

- Value exceeds Maximum Contaminant Level.
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- P Sample pH Not In Range
- RL Reporting Limit

Page 12 of 12



Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109

TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

Sample Log-In Check List

Released to Imaging: 3/18/2024 3:12:53 PM

Client Name: Silverback Exploration	Work Order Number:	2307085	-	RcptNo:	1
Received By: Tracy Casarrubias	7/5/2023 7:35:00 AM				
Completed By: Tracy Casarrubias	7/6/2023 9:10:22 AM				
Reviewed By: 7h 7/6/23	170/2023 3.10.22 AW				
Chain of Custody					
1. Is Chain of Custody complete?		Yes 🗌	No 🗹	Not Present	
2. How was the sample delivered?		Courier			
<u>Log In</u>		_			
3. Was an attempt made to cool the samples?		Yes 🗹	No 📙	NA 🗌	
4. Were all samples received at a temperature o	f >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_{\cdot} 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 🗹	1
10. Were any sample containers received broken	?	Yes	No 🗹	# of preserved	
11. Does paperwork match bottle labels? (Note discrepancies on chain of custody)		Yes 🗹	No 🗌	bottles checked for pH: (<2 o	>12 unless noted)
12. Are matrices correctly identified on Chain of C	ustody?	Yes 🗹	No 🗌	Adjusted?	
13. Is it clear what analyses were requested?		Yes 🗹	No 🗌	1	-00 02/01
14. Were all holding times able to be met? (If no, notify customer for authorization.)		Yes 🗹	No 🗌	Checked by	an 01/00
Special Handling (if applicable)				/	
15. Was client notified of all discrepancies with the	is order?	Yes 🗌	No 🗌	NA 🗹	
Person Notified:	Date:		-		
By Whom:	Via:] eMail [Phone 🔲 Fax	☐ In Person	
Regarding:				Manufacture of the same street	
Client Instructions: Mailing address.ph	one number and Email/	Fax are mi	ssing on COC-TM	IC 7/6/23	
16. Additional remarks:					
17. Cooler Information Cooler No Temp °C Condition Sea 1 5.8 Good Yes	al Intact Seal No S Morty	eal Date	Signed By		

Chain-of-Custody Record	Tarii-Alogiid Tilie.	HAII FNVTRONMENTAL
Client: Silverback	Standard Rush D.M.	ANALYSIS LABORATORY
(Vertex)	Project Name:	www.hallenvironmental.com
Mailing Address: On File	Dayton Keyele	4901 Hawkins NE - Albuquerque, NM 87109
		Tel. 505-345-3975 Fax 505-345-4107
Phone #:	dat-OdaMo	Analysis Request
email or Fax#:	Project Manager:	(OX
QA/QC Package:	11.11 11.00	04, 9 SMI S'B'S
☐ Standard ☐ Level 4 (Full Validation)	Wichael Mottit	OS07
:uo	" Hunter 1	(1.4 (1.4) (1.4) (28)
□ NELAC □ Other	On Ice: A Yes D No moved	OA 50°- 50°- 1s 1s 1s
□ EDD (Type)		(G) (G) (G) (A) (A) (A) (A)
	Cooler Temp(including cF): V.O.O.2: 5.8 (°C)	161/ Aleth 8 M 8 M 8 m 178 AOV
	Container Preservative HEAL No.	PH:80 PH:80 PH:81
Date Time Matrix Sample Name	Type	85 87 87 80 80 80
(130133 10 00 00 1 17035 - 101 0	402 Ice 0001	XX
,		
EDI-5697	003	
W.K TP33-103 W1.	500	
TP33-102	900	
10:25 TP33-103 9'	900	
1493-2003	400	\rightarrow \right
V 10:35 V 17035-103 5'	V V 0008	<i>A</i>
	After the property of the control of	
Date: Time: Relinquished by: 6/403/4:00 Hunter Ren	Via: 1573	Remarks:
Time:	.⊑	
(15/23 1910 (Warry	7/0/23 1.30	to see the second secon

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: 3/18/2024 3:12:53 PM

ATTACHMENT 4

FW: [EXTERNAL] Dayton Recycle Facility: Incident ID nAPP2307356662 (Deferral/Variance Request)

Michael Moffitt < MMoffitt@vertex.ca>

Thu 7/6/2023 10:47 AM

To:Sally Carttar < SCarttar@vertex.ca>

From: Hamlet, Robert, EMNRD < Robert. Hamlet@emnrd.nm.gov>

Sent: Wednesday, June 21, 2023 8:25 AM

To: Michael Moffitt < MMoffitt@vertex.ca>; Mark Ritchie < mritchie@silverbackexp.com>

Cc: Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>

Subject: RE: [EXTERNAL] Dayton Recycle Facility: Incident ID nAPP2307356662 (Deferral/Variance Request)

Michael,

The only part of the releases that would qualify for a deferral would be the contaminated area up against the pond at the Dayton Recycle Facility. The release needs to be on an Active Well Pad or within the boundary of a Facility to qualify for a deferral. The remainder of the releases are off Pad and require immediate reclamation. This includes anything located within the pasture area or on roads.

Spill Rule Procedures September 6, 2019 Page 2 & 3

VI. ON-SITE vs. OFF-SITE REMEDIATION:

- a. Remediation on an active site can be deferred in areas immediately under or around production equipment such as production tanks, wellheads, and pipelines where remediation could cause a major facility deconstruction. A major facility deconstruction is determined by the OCD on a case by case basis. The remediation, restoration, and reclamation may be deferred with OCD's written approval until the equipment is removed during other operations, or when the well or facility is plugged or abandoned, whichever comes first. For the deferral request the contamination must be fully delineated. In addition, the contamination must not pose an imminent risk to human health, the environment, or groundwater. Deferrals are not forever and remediation must be completed in a timely fashion once the equipment is out of use for oil and gas operations.
- b. Cleanup of off-site impacts cannot be deferred as they would not meet the deferral requirements of 19.15.29.12(C)(2) NMAC.
- c. The difference between on- and off-site releases is when the reclamation and restoration must occur. Off-site releases must be reclaimed and restored immediately. On-site reclamation and restoration can wait until operations have ceased, but still must be done.

The OCD Spill Rule requires that all samples be tested/analyzed for all components in Table 1 of the spill rule.

All roads will need to be delineated/sampled and reclaimed immediately.

The variance for 600 ft2 confirmation sample size is denied. The largest variance we can approve at the moment is 400 ft2 for confirmation samples.

If you would like to move forward with the deferral request up against the Dayton Recycling Facility Pond and the 400 ft2 confirmation sample size, please upload the variance request to the OCD Permitting Portal so all the documents make it into the Incident Files and we will take a look at it.

Regards,

Robert Hamlet • Environmental Specialist - Advanced

Environmental Bureau
EMNRD - Oil Conservation Division
506 W. Texas Ave. | Artesia, NM 88210
575.909.0302 | robert.hamlet@state.nm.us
http://www.emnrd.state.nm.us/OCD/



From: Michael Moffitt < MMoffitt@vertex.ca>

Sent: Tuesday, June 20, 2023 4:00 PM

To: Hamlet, Robert, EMNRD < Robert.Hamlet@emnrd.nm.gov; Mark Ritchie mritchie@silverbackexp.com> Subject: [EXTERNAL] Dayton Recycle Facility: Incident ID nAPP2307356662 (Deferral/Variance Request)

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

Robert,

Vertex is in the process of finalizing a remediation plan on behalf of Silverback regarding their Dayton Recycle Facility. The event occurred during pigging operations of a lay flat line back in February, and the total volume released was 2,312 bbls. Zero hydrocarbons/BTEX impacts have been encountered during characterization of the site, which directly correlates to the nature of the release being diluted mixture of fresh and produced water. Moreover, the surface of the spill encompasses part of a major road to Silverback's facility as well as a small part of the earthen ramp and perimeter road at the base of the ponds. Due to operational concerns related to the remediation of soils in the affected area around the facility, I have listed below two deferral and two variance requests for review. A closure criterion work sheet, updated characterization schematic, and deferral area specific map have all been included for reference. Per the laboratory analytical results received to date, most impacts were found to be superficial and did not migrate past the surface. Only a few areas exceeded 2 feet in depth out 74 sample locations. This includes test pits and hand auguring efforts by Vertex technicians.

Roadway Deferral #1: (Dayton Deferral Request Outline PDF - Red Area)

- 1. Elevated chlorides were encountered at surface but not at depth due to the road being hard packed. The entire affected area along the road from the south to the north will be scraped out from 6" to 1' pending field screening results. After removal of the impacted surface materials, Vertex would like to leave in situ any soils that test below 10,000 ppm chloride within the road boundaries. The results will be backed by laboratory analytical and will be included with the work plan. Screening would only be used for guidance.
- 2. With hydrocarbons having not been detected in any prior samples, Vertex would like to send samples from this area to lab for chlorides only. Any soils above 10,000 ppm chloride will still be removed and sent to disposal. This correlates to reclamation criteria standards and relates to the DTGW boring within the half mile radius being at 85 feet bgs. The well was drilled on 1/12/2013.
- 3. It is to my understanding that NMOCD has considered roads as part of pasture in the past. With that in mind, the surface is owned by Silverback, and excavation beyond the initial scraping of the road would affect traffic to and from the active facility. The road to the site was built within the last two years. Lastly, the impacted areas left in situ within the roadway would be addressed when reclamation of the ponds/facility occurs at end of life.

Recycle Facility Entrance Ramp and Pond Perimeter Road: (Dayton Deferral Request Outline PDF - Yellow Area)

- 1. The point of release occurred parallel to the northern most pond of the two located at facility. It traveled from the perimeter road around at the western edge of the pond, down the ramp, and to the north. The characterization schematic shows the release path and where sampling has taken place.
- 2. As this area is part of the active/leased facility, which has the capacity for 1.2 million barrels total of water storage, any excavation into the foundation of the elevated berm area, road, and ramp would be a major liability for all parties involved. The risk is not worth the outcome.
- 3. While a light surface scrape is feasible, anything more could affect the structural integrity of the ponds. If the deferral is accepted, this area would only be horizontally characterized since vertical delineation at depth could lead to a breach. As with deferral request #1, the impacted materials left in situ will be removed at the end of life of the facility when reclamation activities occur.

Variance Request: Sampling

- 1. Vertex would like to request on Silverback's behalf for a 600 square foot variance for confirmation sampling due to the size of the affected surface area. This will help expedite the remedial process. Horizontal side walls would still be collected every 200 square feet per NMAC 19.15.29.
- 2. Due to TPH and BTEX having not been detected in any analytical samples during site characterization, Vertex would also like to request a variance that for every 5th sample collected be tested during confirmation activities for all 3 parameters, respectively. This would still allow for checks and balances related to our sampling regimen. Additionally, bottom samples collected in pasture that are left in situ at 4' bgs and greater that field screen for chlorides below 10,000 ppm but exceed 600 ppm would additionally be sent to lab for TPH and BTEX.

If you have any questions or concerns on what has been provided, please let me know and I will address asap. All documentation pertaining to the deferral and variance request will be included in our reports pending potential acceptance of the conditions presented.

Kind regards,

Michael Moffitt

Michael Moffitt

Manager Environment

Vertex Resource Services Inc. 3101 Boyd Drive, Carlsbad, NM 88220

P 575.725.5001 Ext.705 C 575.988.2681

www.vertex.ca

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

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

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

1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 263358

CONDITIONS

Operator:	OGRID:
Silverback Operating II, LLC	330968
19707 IH10 West, Suite 201	Action Number:
San Antonio, TX 78256	263358
	Action Type:
	[C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
amaxwell	Work plan approved.	3/18/2024
amaxwell	A remediation report containing reclamation activities will need to include the following:	3/18/2024
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.	3/18/2024
amaxwell	All revegetation activities will need to be documented and included in the revegetation report. The revegetation report will need to include: An executive summary of the revegetation activities including: Seed mix, Method of seeding, dates of when the release area was reseeded, information pertinent to inspections, information about any amendments added to the soil, information on how the vegetative cover established meets the life-form ratio of plus or minus fifty percent of pre-disturbance levels and a total percent plant cover of at least seventy percent of pre-disturbance levels, excluding noxious weeds per 19.15.29.13 D.(3) NMAC, and any additional information; a scaled Site Map including area that was revegetated in square feet; and pictures of the revegetated areas during reseeding activities, inspections, and final pictures when revegetation is achieved.	3/18/2024
amaxwell	OR Per 19.15.29.13 E. NMAC, if a reclamation and revegetation report has been submitted to the surface owner, it may be used if the requirements of the surface owner provide equal or better protection of freshwater, human health, and the environment. A copy of the approval of the reclamation and revegetation report from the surface owner and a copy of the approved reclamation and revegetation report will need to be submitted to the OCD via the Permitting website.	3/18/2024
amaxwell	Submit a report via the OCD permitting portal by July 19, 2024.	3/18/2024