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Oil Conservation Division

Incident ID	nAPP2125652492
District RP	
Facility ID	
Application ID	

Remediation Plan

Remediation Plan Checklist: Each of the following items must be included in the plan.

Detailed description of proposed remediation technique

Scaled sitemap with GPS coordinates showing delineation points

Estimated volume of material to be remediated

Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC

Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)

Deferral Requests Only: Each of the following items must be con	firmed as part of any request for deferral of remediation.						
Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.							
Extents of contamination must be fully delineated.							
Contamination does not cause an imminent risk to human health	the environment, or groundwater.						
I hereby certify that the information given above is true and complete rules and regulations all operators are required to report and/or file co- which may endanger public health or the environment. The acceptar liability should their operations have failed to adequately investigate surface water, human health or the environment. In addition, OCD a responsibility for compliance with any other federal, state, or local la Printed Name: <u>Heather Woods</u> Signature: <u>Heather Woods</u> email: <u>Heather.Woods@WhiptailMidstream.com</u>	e to the best of my knowledge and understand that pursuant to OCD ertain release notifications and perform corrective actions for releases nee of a C-141 report by the OCD does not relieve the operator of and remediate contamination that pose a threat to groundwater, cceptance of a C-141 report does not relieve the operator of two and/or regulations. Title: <u>EHS Specialist</u> Date: <u>09/08/2023</u> Telephone: <u>(505) 636-0574</u>						
OCD Only							
Received by: Jocelyn Harimon	Date:09/11/2023						
Approved Approved with Attached Conditions of A	Approval Denied Deferral Approved						
Signature: Nelson Velez	Date: 10/20/2023						

App ID 264084: Deferral is approved. Remediation Due date will be left open until the site has been decommissioned.

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1703 Calder Street, Farmington, New Mexico 87401

September 8, 2023

Mr. Michael Bratcher Incident Supervisor New Mexico Oil Conservation Division 506 W. Texas Avenue Artesia, New Mexico 87210

Subject: Revised Remediation Plan for MC COM #160 Release (nAPP2125652492)

Dear Mr. Bratcher:

Whiptail Midstream, LLC (Whiptail) submits this revised Remediation Plan for the MC COM #160 release (nAPP2125652492) which describes the remediation completed to date, delineation activities and results, and a deferral request for the defined area exceeding the reclamation requirements at depths ranging from the surface to four feet below grade surface (bgs).

Release Information

A release of approximately 210 barrels (bbls) of produced water was discovered at the MC COM #160 site on September 10, 2021. The release was caused by the failure of a reducer fitting of an aboveground pipe downstream of the produced water pump which resulted in the release of the produced water into the lined containment area at the facility. Following the recovery of approximately 210 bbls of produced water by vacuum truck, areas of the containment liner were found to be compromised and liquid was observed on the ground surface emanating from the northwest corner of the containment area. No liquids were observed to have migrated off the facility pad.

A prior release by the well operator, Enduring Resources, was discovered on March 18, 2019, and assigned incident number NCS1909448080. The 10 bbl crude oil release impacted a portion of the Whiptail release area. According to the closure report, the remediation did not address the reclamation requirements and residual impacts would be addressed once the areas were no longer in use or at final abandonment. The closure for incident NCS1909448080 was approved on June 27, 2019. The residual impact from this release is likely to affect the outcome of the remediation of the Whiptail release.

The Site is located in Unit Letter I, Section 35, Township 24 North, Range 07 West, in Rio Arriba County, New Mexico at approximately 36.265271, -107.537467 (NAD 83). A topographic site map is included as Figure 1, an aerial site map is included as Figure 2, and a depiction of the observed release extents is included as Figure 3.

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Remediation Closure Criteria Determination / Site Characterization

The Closure Criteria for the area impacted by the release are described in Table I of 19.15.29.12 New Mexico Administrative Code (NMAC). The criteria are based upon depth to groundwater at the release site and proximity relative to sensitive receptors as described in Paragraph (4) of Subsection C of 19.15.29.12 NMAC.

Depth to Groundwater / Wellhead Protection Area

Depth to groundwater is approximately 142 feet bgs at the site based upon the cathodic well record for this facility. A search of the New Mexico Office of the State Engineer's (NMOSE) New Mexico Water Rights Reporting System (NMWRRS) did not yield any results for registered points of diversion (PODs) within 0.5 mile of the site. The cathodic well log, NMWRRS search results, and NMOSE POD map of the vicinity are included in Appendix A.

Distance to Significant Watercourse

The release area is located approximately 533 feet east of a small livestock pond which is cross-gradient from the release area. In the down gradient direction, the nearest surface water drainage feature is located approximately 787 feet to the north of the site.

Sensitive Receptors

The proximity of the release location to sensitive receptors as described in Paragraph (4) of Subsection C of 19.15.29.12 NMAC is assessed in the following table:

19.15.29.12(C)(4). If a release occurs within the following areas, the responsible party must treat the						
release as if it occurred less than 50 feet to ground water in Table I of 19.15.29.12 NMAC:						
Description	Y/N	Reference				
(a) Within	No	Figures 1 and 2				
(i) 300 feet of any continuously flowing watercourse or any other						
significant watercourse, or						
(ii) 200 feet of any lakebed, sinkhole or playa lake (measured from the						
ordinary high-water mark);						
(b) Within 300 feet from an occupied permanent residence, school,	No	Figure 2				
hospital, institution or church;						
(c) Within	No	Figures 1 and				
(i) 500 feet of a spring or a private, domestic fresh water well used by		2, Appendix A				
less than five households for domestic or stock watering purposes, or						
(ii) 1,000 feet of any fresh water well or spring;						
(d) Within incorporated municipal boundaries or within a defined fresh	No	Figure 1				
water well field covered under a municipal ordinance adopted pursuant						
to Section 3-27-3 NMSA 1978 as amended, unless the municipality						
specifically approves;						

Page	3
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(e) Within 300 feet of a wetland;	No	Figure 1 and
		Appendix B
(f) Within the area overlying a subsurface mine;	No	Appendix C
(g) Within an unstable area; or	No	Appendix C
(h) Within a 100-year floodplain.	No	Appendix D

Closure Criteria

As demonstrated above, depth to groundwater at the site is greater than 100 feet bgs and the release area is not located within the designated proximity of to the described sensitive receptors. Therefore, the closure criteria for the release are: 10 milligrams per kilogram (mg/kg) benzene; 50 mg/kg total BTEX; 1,000 mg/kg TPH (GRO/DRO); 2,500 mg/kg total TPH (GRO/DRO/MRO); and 20,000 mg/kg chloride. The reclamation requirements of 19.15.29.13 NMAC are also applicable to the upper four feet of the impacted area.

Initial Site Investigation/Remediation

Whiptail retained a third-party consultant, WSP USA (WSP) of Durango, Colorado, for remediation guidance, sampling, and reporting. After the recovery of approximately 210 bbls of liquid from the lined containment utilizing a vacuum truck, the liner was removed to allow for remediation access. Approximately 2- to 4-inches of soil and gravel material was removed from the ground surface within the containment area as well as from the release path outside the containment wall to the northwest using hand tools and a hydrovac. Upon completion of remedial excavation, WSP personnel collected a total of 33 five-point composite samples representing 200 square feet or less of the impacted area. A figure depicting the sample locations is included as Figure 3 and a photograph log of the sampled areas is included in Appendix E.

Samples were delivered to Hall Environmental Analysis Laboratory in Albuquerque, New Mexico for analysis including:

- Benzene, toluene, ethylbenzene, and xylenes (BTEX) by United State Environmental Protection Agency (USEPA) Method 8021B;
- Total petroleum hydrocarbons (TPH) as gasoline range organics (GRO), diesel range organics (DRO) and motor oil range organics (MRO) by USEPA Method 8015M/D; and
- Chloride by USEPA Method 300.0.

Laboratory analytical results for the excavation confirmation samples report the following:

- Benzene concentrations are below the laboratory reporting limits which are below the closure criteria of 10 mg/kg.
- Total BTEX concentrations are below the laboratory reporting limits which are below the closure criteria of 50 mg/kg.

- TPH as GRO/DRO concentrations range from below the laboratory reporting limits to 490 mg/kg which are below the closure criteria of 1,000 mg/kg.
- TPH as GRO/DRO/MRO concentrations range from below the laboratory reporting limits to 890 mg/kg which are below the closure criteria of 2,500 mg/kg.
- Chloride concentrations range from below the laboratory reporting limits to 3,100 mg/kg which are below the closure criteria of 20,000 mg/kg.

Laboratory analytical results indicate that concentrations of benzene, total BTEX, TPH as GRO/DRO, TPH as GRO/DRO, and chloride are below the closure criteria for all the excavation confirmation samples. Analytical results are summarized in Table 1 and the laboratory report is included in Appendix F. Excavated material was transported for disposal/remediation at Envirotech Landfarm near Hilltop, New Mexico. The excavation area was backfilled with imported, clean earthen material and the liner was replaced within the containment area.

Excavation confirmation sample results demonstrate that the remedial excavation meets the closure criteria of Table I of 19.15.29.12 NMAC. However, the remediation area, while on-pad and in an area reasonably needed for production operations, is within the upper four feet from the surface and is subject to the reclamation standards of 19.15.29.13 NMAC. All except eight confirmation samples (SS07, SS09, SS14, SS23, SS26, SS27, SS28, and SS31) exceed the reclamation requirements. Furthermore, the confirmation samples representing the perimeter of the release area do not demonstrate the horizontal extents of the release per the reclamation standards to the north and east, and portions to the west and south. Therefore, Whiptail proposed additional delineation as described below.

Continued Site Investigation/Delineation

To demonstrate the extents of the residual impacted material in the upper four feet of the release area per reclamation requirements of 19.15.19.13 NMAC, Whiptail advanced 10 soil borings outside the perimeter of the release area as illustrated on Figure 4. Excavation confirmation samples demonstrating concentrations of benzene, BTEX, TPH and chloride below the reclamation standards in the southwest corner of the release area (SS21, SS26, SS27, and SS31) are used to define that portion of the horizontal extents. Based on photographs and knowledge of the construction of the containment ring at this site, the steel containment ring is buried approximately 6-inches bgs. Therefore, the borings were advanced to approximately two feet bgs to investigate possible subsurface horizontal migration of the release fluids at and below this depth.

Samples were collected at 6-inch intervals from each boring location to the total depth of two feet bgs. Samples were field screened for volatile organic compounds (VOCs) using a calibrated photoionization detector (PID) and for chlorides using a direct reading titrator. A minimum of two samples from each boring were submitted to the laboratory for analysis of BTEX, TPH, and chloride from the sampling interval exhibiting the highest field screening concentrations and from the deepest interval sampled. Laboratory analytical results for the delineation samples report the following:

- Benzene concentrations are below the laboratory reporting limits which are below the reclamation requirement of 10 mg/kg.
- Total BTEX concentrations are below the laboratory reporting limits which are below the reclamation requirement of 50 mg/kg.
- Total TPH as GRO/DRO/MRO concentrations range from below the laboratory reporting limits to 490 mg/kg which are below the reclamation requirement of 100 mg/kg.
- Chloride concentrations range from below the laboratory reporting limits to 61 mg/kg which are below the reclamation requirement of 600 mg/kg.

Laboratory analytical results indicate that concentrations of benzene, total BTEX, total TPH and chloride are below the reclamation requirements for all the delineation samples. Analytical results are summarized in Table 2 and the laboratory report is included in Appendix F.

Remediation Plan/Remediation Deferral Request

Delineation results demonstrate that the residually impacted area within the upper four feet of the release area has been defined and lies within areas currently in use in areas reasonably needed for production operations. Whiptail requests a deferral of the remediation of the residually impacted area estimated to be approximately 6,250 square feet and a maximum depth of 4 feet bgs, or 926 cubic yards, as illustrated on Figure 4, until such time that the area is no longer reasonably needed for production operations. At such time, remediation will be accomplished by excavation and disposal at an approved landfarm facility or according to a remediation plan submitted and approved by the New Mexico Oil Conservation Division (NMOCD) prior to operations. Notification, confirmation sampling and reporting will be completed in accordance to 19.15.29 NMAC, or as otherwise stipulated in a revised, NMOCD approved remediation plan. Remediation activities will likely coincide and be affected by remediation efforts for other releases impacting the site.

Whiptail appreciates the opportunity to provide this revised remediation plan and deferral request for the MC COM #160 (nAPP2125652492) release. Please feel free to contact me with any questions or comments at <u>Heather.Woods@WhiptailMidstream.com</u> or (505) 636-0574.

Sincerely,

Heather M. Woods

Heather M. Woods, PG EHS Specialist

Figures:

Figure 1. Topographic Site Map Figure 2. Aerial Site Map Figure 3. Excavation Confirmation Sample Map Figure 4. Soil Boring Location Map

Table:

Table 1. Soil Analytical ResultsTable 2. Summary of Field Screening and Laboratory Analytical Results for Delineation Samples

Appendices:

Appendix A: Well Log and NMOSE Registered Water Well Documentation

Appendix B: Wetland Map

Appendix C: Mine Maps

Appendix D: Floodplain Map

Appendix E: Photograph Log

Appendix F: Laboratory Analytical Reports

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Figures

Figures

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Whiptail Midstream, LLC

UL I, S35, T24N R07W NMPM

Rio Arriba County, New Mexico

36.265271, -107.537467 (NAD 83)

Figure 2

Aerial Site Map



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Table

Tables

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TABLE 1 SOIL ANALYTICAL RESULTS

MC COM #160 **RIO ARRIBA COUNTY, NEW MEXICO** WHIPTAIL MIDSTREAM LLC

Soil Sample Identification	Sample Date	Benzene (mg/kg)	Toluene (mg/kg)	Ethyl- benzene (mg/kg)	Total Xylenes (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)	GRO (mg/kg)	DRO (mg/kg)	GRO+DRO (mg/kg)	MRO (mg/kg)	TPH (mg/kg)	1:27:52 F
SS01	9/28/2021	< 0.12	< 0.23	< 0.23	< 0.47	< 0.47	1,700	<23	23	23	<49	23	M
SS02	9/28/2021	< 0.023	< 0.046	< 0.046	< 0.093	< 0.093	2,100	<4.6	11	11	<49	11	
SS03	9/28/2021	< 0.024	< 0.049	< 0.049	< 0.097	< 0.097	2,300	<4.9	160	160	190	350	
SS04	9/28/2021	< 0.024	< 0.048	< 0.048	< 0.097	< 0.097	2,500	<4.8	30	30	<48	30	
SS05	9/28/2021	< 0.025	< 0.050	< 0.050	< 0.10	< 0.10	1,400	<5.0	21	21	<49	21	
SS06	9/28/2021	< 0.023	< 0.047	< 0.047	< 0.094	< 0.094	620	<4.7	<9.6	<9.6	<48	<48	
SS07	9/28/2021	< 0.023	< 0.046	< 0.046	< 0.093	< 0.093	380	<4.6	<9.8	<9.8	<49	<49	
SS08	9/28/2021	< 0.12	< 0.24	< 0.24	< 0.48	< 0.48	2,100	<24	210	210	150	360	
SS09	9/28/2021	< 0.024	< 0.048	< 0.048	< 0.097	< 0.097	130	<4.8	<9.9	<9.9	<50	<50	
SS10	9/28/2021	< 0.012	< 0.024	< 0.024	< 0.048	< 0.048	2,200	<24	150	150	130	280	
SS11	9/28/2021	< 0.012	< 0.023	< 0.023	< 0.047	< 0.047	2,700	<23	330	330	270	600	
SS12	9/28/2021	< 0.024	< 0.047	< 0.047	< 0.095	< 0.095	2,100	<4.7	54	54	56	110	
SS13	9/28/2021	< 0.024	< 0.047	< 0.047	< 0.094	< 0.094	860	<4.7	<8.6	<8.6	<43	<43	
SS14	9/28/2021	< 0.025	< 0.049	< 0.049	< 0.098	< 0.098	80	<4.9	<9.2	<9.2	<46	<46	
SS15	9/28/2021	< 0.012	< 0.024	< 0.024	< 0.048	< 0.048	2,200	<24	150	150	130	280	
SS16	9/28/2021	< 0.025	< 0.050	< 0.050	< 0.10	< 0.10	870	<5.0	47	47	61	108	
SS17	9/28/2021	< 0.025	< 0.049	< 0.049	< 0.099	< 0.099	2,100	<4.9	92	92	130	222	
SS18	9/28/2021	< 0.024	< 0.048	< 0.048	< 0.097	< 0.097	630	<4.8	76	76	140	216	
SS19	9/28/2021	< 0.024	< 0.047	< 0.047	< 0.095	< 0.095	1,500	<4.7	9.8	9.8	<46	9.8	
SS20	9/28/2021	< 0.025	< 0.050	< 0.050	< 0.099	< 0.099	3,100	<5.0	70	70	67	137	
SS21	9/28/2021	< 0.024	< 0.048	< 0.048	< 0.097	< 0.097	520	<4.8	10	10	<44	10	
SS22	9/28/2021	< 0.012	< 0.024	< 0.024	< 0.048	< 0.048	960	<24	150	150	150	300	
SS23	9/28/2021	< 0.024	< 0.047	< 0.047	< 0.095	< 0.095	230	<4.7	<9.1	<9.1	<46	<46	
SS24	9/28/2021	< 0.012	< 0.024	< 0.024	< 0.048	< 0.048	1,400	<24	290	290	250	540	
SS25	9/28/2021	< 0.012	< 0.024	< 0.024	< 0.047	< 0.047	3,000	<24	490	490	400	890	
SS26	9/28/2021	< 0.024	< 0.048	< 0.048	< 0.096	< 0.096	190	<4.8	13	13	<48	13	
SS27	9/28/2021	< 0.025	< 0.050	< 0.050	< 0.099	< 0.099	550	<5.0	<9.1	<9.1	<45	<45	
SS28	9/28/2021	< 0.025	< 0.050	< 0.050	< 0.10	< 0.10	140	<5.0	<9.4	<9.4	<47	<47	Pa
SP USA Inc. Whiptail Midstream LLC\MC COM #160\Tables\Table 1 - Soil Analytical Results.xlsx Page 1 of 2													

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TABLE 1 SOIL ANALYTICAL RESULTS

MC COM #160 **RIO ARRIBA COUNTY, NEW MEXICO** WHIPTAIL MIDSTREAM LLC

Released to Imaging: 10/20/20					RI	SOIL ANA N IO ARRIBA WHIPTAI	TABLE 1 ALYTICAL IC COM #10 COUNTY, N IL MIDSTR	RESULTS 50 NEW MEXIC EAM LLC	0				
023 1:32:	Soil Sample Identification	Sample Date	Benzene (mg/kg)	Toluene (mg/kg)	Ethyl- benzene (mg/kg)	Total Xylenes (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)	GRO (mg/kg)	DRO (mg/kg)	GRO+DRO (mg/kg)	MRO (mg/kg)	TPH (mg/kg)
231	SS29	9/28/2021	< 0.024	< 0.048	< 0.048	< 0.097	< 0.097	2,200	<4.8	150	150	180	330
M	SS30	9/28/2021	< 0.12	< 0.24	< 0.24	< 0.48	< 0.48	3,100	<24	300	300	230	530
	SS31	9/28/2021	< 0.024	< 0.049	< 0.049	< 0.098	< 0.098	<60	<4.9	<9.6	<9.6	<48	<48
	SS32	9/28/2021	< 0.12	< 0.24	< 0.24	< 0.49	< 0.49	1,600	<24	240	240	230	470
	SS33	9/28/2021	< 0.024	< 0.048	< 0.048	< 0.096	< 0.049	2,500	<4.8	<9.8	<9.8	<49	<49
	NMOCD Clo	sure Criteria	10	NE	NE	NE	50	20,000	NE	NE	1,000	NE	2,500

NOTES:

 BTEX - benzene, toluene, ethylbenzene, and total xylenes analyzed by US EPA Method 8021B

DRO - diesel range organics analyzed by US EPA Method 8015D

GRO - gasoline range organics analyzed by US EPA Method 8015D

mg/kg - milligrams per kilogram

MRO - motor oil range organics analyzed by US EPA method 8015D

NE - not established

NMOCD - New Mexico Oil Conservation Division

TPH - total petroleum hydrocarbon (sum of GRO, DRO, and MRO)

< - indicates result is less than the stated laboratory reporting limit

Bold - indicates value exceeds stated NMOCD Closure Criteria

Table 2: Summary of Field Screening and Laboratory Analytical Results for Delineation Samples

MC Com #160

			Field Sc	reening	Laboratory Analytical Analysis										
Sample ID	Date	Depth (ft bgs)	VOCs by PID (ppm)	Chloride (ppm)	Benzene (mg/kg)	Toluene (mg/kg)	Ethyl- benzene (mg/kg)	Xylenes (mg/kg)	Total BTEX (mg/kg)	TPH (GRO) (mg/kg)	TPH (DRO) (mg/kg)	TPH (GRO + DRO) (mg/kg)	TPH (MRO) (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
•	Closure	Criteria (4+ ft)			10				50			1.000		2.500	20.000
Reclamation Requirement (0 - 4 ft)			10				50					100	600		
		0 - 0.5	0.0	20											
D 01	0/25/2022	0.5 - 1	0.1	22											
B-01	8/25/2023	1 - 1.5	0.1	30	< 0.024	<0.047	<0.047	<0.095	ND	<4.7	<10	ND	<50	ND	<60
		1.5 - 2	0.1	24	<0.024	<0.048	<0.048	<0.096	ND	<4.8	<9.6	ND	<48	ND	<60
		0 - 0.5	0.1	36	<0.023	<0.047	<0.047	<0.093	ND	<4.7	<9.4	ND	<47	ND	<60
P 02	0/25/2022	0.5 - 1	0.1	24											
D-02	0/23/2023	1 - 1.5	0.1	12											
	-	1.5 - 2	0.1	16	<0.024	<0.048	<0.048	<0.095	ND	<4.8	<9.9	ND	<50	ND	<61
		0 - 0.5	0.0	22	<0.024	<0.048	<0.048	<0.096	ND	<4.8	<9.4	ND	<47	ND	<60
B-03 8/25/20	8/25/2023	0.5 - 1	0.0	20											
	0, 20, 2020	1 - 1.5	0.1	18											
		1.5 - 2	0.1	16	<0.024	<0.048	<0.048	<0.096	ND	<4.8	<9.5	ND	<48	ND	<60
		0 - 0.5	0.1	20	<0.025	<0.050	<0.050	<0.10	ND	<5.0	<9.8	ND	<49	ND	<60
B-04	8/25/2023	0.5 - 1	0.1	20											
501		1 - 1.5	0.1	12											
		1.5 - 2	0.1	12	<0.024	<0.048	<0.048	<0.096	ND	<4.8	<9.9	ND	<49	ND	<59
		0 - 0.5	0.1	32	<0.024	<0.048	<0.048	<0.097	ND	<4.8	<9.4	ND	<47	ND	<60
B-05	8/25/2023	0.5 - 1	0.1	28											
2 00	0, 20, 2020	1 - 1.5	0.1	26											
		1.5 - 2	0.1	38	<0.024	<0.049	<0.049	<0.098	ND	<4.9	<9.6	ND	<48	ND	61
		0 - 0.5	0.0	16	<0.024	<0.048	<0.048	<0.095	ND	<4.8	<9.7	ND	<49	ND	<59
B-06	8/25/2023	0.5 - 1	0.0	18											
	-, -,	1 - 1.5	0.0	16											
		1.5 - 2	0.1	16	<0.023	<0.047	<0.047	<0.094	ND	<4.7	<9.8	ND	<49	ND	<60
		0 - 0.5	0.0	12	<0.025	<0.050	<0.050	<0.10	ND	<5.0	<9.7	ND	<49	ND	<60
B-07	8/25/2023	0.5 - 1	0.0	12											
		1 - 1.5	0.0	10											
		1.5 - 2	0.1	8	<0.025	<0.050	<0.050	<0.099	ND	<5.0	<8.9	ND	<44	ND	<60
		0 - 0.5	0.1	16											
B-08 8/25/20	8/25/2023	0.5 - 1	0.1	16											
		1 - 1.5	0.1	18	<0.024	<0.049	<0.049	<0.098	ND	<4.9	<10	ND	<50	ND	<60
		1.5 - 2	0.1	32	<0.025	<0.050	<0.050	<0.099	ND	<5.0	<9.1	ND	<46	ND	<60

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		0 - 0.5	0.0	16											
P 00	0/25/2022	0.5 - 1	0.1	12											
B-09	0/25/2025	1 - 1.5	0.1	16	<0.023	<0.047	<0.047	<0.094	ND	<4.7	<9.9	ND	<49	ND	<61
		1.5 - 2	0.1	16	<0.024	<0.047	<0.047	<0.094	ND	<4.7	<9.2	ND	<46	ND	<60
		0 - 0.5	0.1	12											
P 10	0/25/2022	0.5 - 1	0.1	12											
B-10	0/23/2023	1 - 1.5	0.1	16	<0.024	<0.048	<0.048	<0.097	ND	<4.8	<9.3	ND	<47	ND	<60
		1.5 - 2	0.1	16	< 0.024	<0.048	<0.048	<0.095	ND	<4.8	<9.7	ND	<48	ND	<60

Notes: VOC - volitile organic compound

PID - photoionization detector

BTEX - benzene, toluene, ethylbenzene, and xylenes

TPH - total petroleum hydrocarbons

GRO - gasoline range organics

DRO - diesel range organics

MRO - motor oil range organics

ft - feet

bgs - below grade surface

mg/kg - milligram per kilogram

ND - not detectable above laboratory reporting limits

"--" not applicable

Appendix A

Appendix A: Well Log and NMOSE Registered Water Well Documentation

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	Ground Bed Drilling Log	
Company: WPXE	nergy Well: Charot59H#160H	Date: 9-11-2015
Location St 35 EAN	RTW State Menter	Rig: Stry#/
Ground Bed Depth: 3	60' Water Depth: <u>/42</u>	Diameter:_/O''
Fuel: 48 gal	Latitude:	Longitude:
DEPTH	FORMATION	OTHER
0-40	Sand Stone, Shale, Sand w/ Shale w/ Sand	PUC
40-110	Gand Stone Shale, Sand w/ Shale w/ Sand	
110-200	Sand Stone, Shale, Sand w/ Shale w/ Sand	
200-260	Sand Stone, Shale, Sand w/ Shale w/ Sand	·
2(a) - 3(a)	Sand Stone, Shale, Sand W/ Shale W/ Sand	·
·	Sand Stone, Shale, Sand w/ Shale w/ Sand	•
	Sand Stone, Shale, Sand w/ Shale w/ Sand	
	Sand Stone, Shale, Sand w/ Shale w/ Sand	·
	Sand Stone, Shale, Sand w/ Shale w/ Sand	
	Sand Stone, Shale, Sand w/ Shale w/ Sand	·
	Sand Stone, Shale, Sand w/ Shale w/ Sand	

GROUNDWATER DEPTH LOG									
Company:	WPX Energ	Y	Locations Chico #159 # #160H #901 H						
Probe type	= low not	Sounder							
Date	Time	Depth	Comments	1					
9-11-15	7:30 cm	40'	Drilled 40']					
	8:30an	40'	test: Nounter	ļ					
	9:00	60'	Drilled 60: - Set PVC]					
	10:00	60'	test: No water	ļ					
	11:15	115'	Drilled 115']					
	12:15	115'	test: no water						
	4:30	360.	test water @ 142'	1					
9-14-5	9:15	142	test water @ 142'	1					
	11:45		Etnished anode bed:	1					
· · · · · ·	1	1		1					
		†		1					
	1	1		1					



MC COM #160 OSE POD Locations Map



/11/2023, 10:41:12 AM	1:18,056
SIS WATERS PODs	0 0.17 0.35 0.7 mi
GIS WATERS PODs	0 0.28 0.55 1.1 km
lew Mexico State Trust Lands	
Both Estates	Esn, HERE, IPC, Esn, HERE, Garmin, IPC, Maxar

Page Web Generated Map Map is generated by web users.

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New Mexico Office of the State Engineer Water Column/Average Depth to Water

No records found.

PLSS Search:

Section(s): 1, 2

Township: 23N

Range: 07W

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.

5/11/23 11:43 AM



New Mexico Office of the State Engineer Water Column/Average Depth to Water

No records found.

PLSS Search:

Section(s): 35, 36

Township: 24N

Range: 07W

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.

5/11/23 11:42 AM

Table

Appendix B: Wetland Map



U.S. Fish and Wildlife Service National Wetlands Inventory

MC COM #160 Wetland Map



Wetlands

Estuarine and Marine Wetland

Estuarine and Marine Deepwater

- **Freshwater Pond**

Freshwater Emergent Wetland

Freshwater Forested/Shrub Wetland

Lake Other Riverine 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.

> National Wetlands Inventory (NWI) This page was produced by the NWI mapper

Table

Appendix C: Mine Maps

Active Mines in New Mexico





Sources: Esri, USGS, NOAA, Sources: Esri, Garmin, USGS, NPS

Coal Mines in New Mexico



5/11/2023, 12:43:35 PM

NM Coal Districts



NM Coal Mine Reclamation Program, NM EMNRD, Esri, CGIAR, USGS, New Mexico State University, San Juan County, NM, Esri, HERE, Garmin, SafeGraph, FAO, METI/NASA, USGS, Bureau of Land Management, EPA, NPS

EMNRD MMD GIS Coordinator

Table

Appendix D: Floodplain Map

National Flood Hazard Layer FIRMette



Legend



Basemap: USGS National Map: Orthoimagery: Data refreshed October, 2020

Table

Appendix E: Photograph Log

Received by OCD: 9/11/2023 9:27:52 PM

wsp

PHOTOGRAPHIC LOG					
WHIPTAIL MIDSTREAM		MC COM #160	31403189.002		
LLC		RIO ARRIBA COUNTY, NEW MEXICO			
Photo No.	Date		and the second		
1	9/28/2021	- Contractor and	and the second se		
View of excav	ated area where		A. 14 14		
release breeched	containment. A	rea			
where SS33 was	collected (look	ng			
W	est)				

Received by OCD: 9/11/2023 9:27:52 PM

wsp

PHOTOGRAPHIC LOG					
WHIPTAIL MID	STREAM	MC COM #160	31403189.002		
LLC		RIO ARRIBA COUNTY, NEW MEXICO			
Photo No.	Date		The second s		
3	9/28/2021		- Bergerand		
View of the ea	stern side of th		Contraction of the Contraction o		
release/excavati	on area within	he he	AT 1		
containment, showing various soil		oil			
containment, showing various soil sample locations (looking east).					

Photo No.	Date	
4	9/28/2021	
View of the western side of the		
release/excavation area within the		
containment, showing various soil		
sample locations (looking		
southwest).		
		The second se
		Charlest Charlest

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Page 3

Continued Photograph Log MC COM #160



Table

Appendix F: Laboratory Analytical Reports



October 15, 2021 Brooke Herb WSP 848 East 2nd Avenue Durango, CO 81301 TEL: (970) 946-1093 FAX Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: clients.hallenvironmental.com

4901 Hawkins NE

Hall Environmental Analysis Laboratory

RE: MC COM 160

OrderNo.: 2109H25

Dear Brooke Herb:

Hall Environmental Analysis Laboratory received 33 sample(s) on 9/30/2021 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,

ander

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109
Analytical Report

Hall	Environm	ental An	alysis I	Laborator	y, Inc.
			•/		•/ /

Lab Order 2109H25 Date Reported: 10/15/2021

CLIENT: WSP	Client Sample ID: SS01						
Project: MC COM 160		Collect	ion Date:	9/28/2	2021 2:20:00 PM		
Lab ID: 2109H25-001	Matrix: SOIL	Matrix: SOILReceived Date: 9/30/2021 7:30:00 AM					
Analyses	Result	PQL Qua	l Units	DF	Date Analyzed		
EPA METHOD 8015M/D: DIESEL RAN	GE ORGANICS				Analyst: SB		
Diesel Range Organics (DRO)	23	9.7	mg/Kg	1	10/7/2021 9:22:47 PM		
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	10/7/2021 9:22:47 PM		
Surr: DNOP	110	70-130	%Rec	1	10/7/2021 9:22:47 PM		
EPA METHOD 8015D: GASOLINE RAN	NGE				Analyst: RAA		
Gasoline Range Organics (GRO)	ND	23	mg/Kg	5	10/5/2021 10:55:40 PM		
Surr: BFB	98.3	70-130	%Rec	5	10/5/2021 10:55:40 PM		

EPA METHOD 8021B: VOLATILES					Analyst: RAA
Benzene	ND	0.12	mg/Kg	5	10/5/2021 10:55:40 PM
Toluene	ND	0.23	mg/Kg	5	10/5/2021 10:55:40 PM
Ethylbenzene	ND	0.23	mg/Kg	5	10/5/2021 10:55:40 PM
Xylenes, Total	ND	0.47	mg/Kg	5	10/5/2021 10:55:40 PM
Surr: 4-Bromofluorobenzene	85.3	70-130	%Rec	5	10/5/2021 10:55:40 PM
EPA METHOD 300.0: ANIONS					Analyst: JMT
Chloride	1700	59	mg/Kg	20	10/6/2021 7:00:07 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
- Н Holding times for preparation or analysis exceeded
- Not Detected at the Reporting Limit ND
- Practical Quanitative Limit PQL
- % Recovery outside of range due to dilution or matrix S

- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

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Analytical Report
Lab Order 2109H25

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 10/15/2021

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| CLIENT: WSP                    |               | Collection Date: 9/28/2021 2:22:00 PM |                                     |    |                       |  |  |
|--------------------------------|---------------|---------------------------------------|-------------------------------------|----|-----------------------|--|--|
| Project: MC COM 160            |               |                                       |                                     |    |                       |  |  |
| Lab ID: 2109H25-002            | Matrix: SOIL  | Rece                                  | Received Date: 9/30/2021 7:30:00 AM |    |                       |  |  |
| Analyses                       | Result        | PQL Qu                                | al Units                            | DF | Date Analyzed         |  |  |
| EPA METHOD 8015M/D: DIESEL R   | ANGE ORGANICS |                                       |                                     |    | Analyst: <b>SB</b>    |  |  |
| Diesel Range Organics (DRO)    | 11            | 9.8                                   | mg/Kg                               | 1  | 10/8/2021 9:53:38 PM  |  |  |
| Motor Oil Range Organics (MRO) | ND            | 49                                    | mg/Kg                               | 1  | 10/8/2021 9:53:38 PM  |  |  |
| Surr: DNOP                     | 103           | 70-130                                | %Rec                                | 1  | 10/8/2021 9:53:38 PM  |  |  |
| EPA METHOD 8015D: GASOLINE     | RANGE         |                                       |                                     |    | Analyst: <b>RAA</b>   |  |  |
| Gasoline Range Organics (GRO)  | ND            | 4.6                                   | mg/Kg                               | 1  | 10/5/2021 11:19:13 PM |  |  |
| Surr: BFB                      | 93.0          | 70-130                                | %Rec                                | 1  | 10/5/2021 11:19:13 PM |  |  |
| EPA METHOD 8021B: VOLATILES    |               |                                       |                                     |    | Analyst: <b>RAA</b>   |  |  |
| Benzene                        | ND            | 0.023                                 | mg/Kg                               | 1  | 10/5/2021 11:19:13 PM |  |  |
| Toluene                        | ND            | 0.046                                 | mg/Kg                               | 1  | 10/5/2021 11:19:13 PM |  |  |
| Ethylbenzene                   | ND            | 0.046                                 | mg/Kg                               | 1  | 10/5/2021 11:19:13 PM |  |  |
| Xylenes, Total                 | ND            | 0.093                                 | mg/Kg                               | 1  | 10/5/2021 11:19:13 PM |  |  |
| Surr: 4-Bromofluorobenzene     | 82.6          | 70-130                                | %Rec                                | 1  | 10/5/2021 11:19:13 PM |  |  |
| EPA METHOD 300.0: ANIONS       |               |                                       |                                     |    | Analyst: <b>JMT</b>   |  |  |
| Chloride                       | 2100          | 61                                    | mg/Kg                               | 20 | 10/6/2021 8:02:09 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 range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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# Hall Environmental Analysis Laboratory, Inc.

Lab Order **2109H25** Date Reported: **10/15/2021** 

| CLIENT: WSP                      | Client Sample ID: SS03                |          |                                     |    |                       |  |  |
|----------------------------------|---------------------------------------|----------|-------------------------------------|----|-----------------------|--|--|
| <b>Project:</b> MC COM 160       | Collection Date: 9/28/2021 2:23:00 PM |          |                                     |    |                       |  |  |
| Lab ID: 2109H25-003              | Matrix: SOIL                          | Receiv   | Received Date: 9/30/2021 7:30:00 AM |    |                       |  |  |
| Analyses                         | Result                                | PQL Qual | Units                               | DF | Date Analyzed         |  |  |
| EPA METHOD 8015M/D: DIESEL RANGE | ORGANICS                              |          |                                     |    | Analyst: <b>SB</b>    |  |  |
| Diesel Range Organics (DRO)      | 160                                   | 9.8      | mg/Kg                               | 1  | 10/8/2021 10:17:55 PM |  |  |
| Motor Oil Range Organics (MRO)   | 190                                   | 49       | mg/Kg                               | 1  | 10/8/2021 10:17:55 PM |  |  |
| Surr: DNOP                       | 111                                   | 70-130   | %Rec                                | 1  | 10/8/2021 10:17:55 PM |  |  |
| EPA METHOD 8015D: GASOLINE RANGE | E                                     |          |                                     |    | Analyst: <b>RAA</b>   |  |  |
| Gasoline Range Organics (GRO)    | ND                                    | 4.9      | mg/Kg                               | 1  | 10/5/2021 11:42:39 PM |  |  |
| Surr: BFB                        | 92.7                                  | 70-130   | %Rec                                | 1  | 10/5/2021 11:42:39 PM |  |  |
| EPA METHOD 8021B: VOLATILES      |                                       |          |                                     |    | Analyst: <b>RAA</b>   |  |  |
| Benzene                          | ND                                    | 0.024    | mg/Kg                               | 1  | 10/5/2021 11:42:39 PM |  |  |
| Toluene                          | ND                                    | 0.049    | mg/Kg                               | 1  | 10/5/2021 11:42:39 PM |  |  |
| Ethylbenzene                     | ND                                    | 0.049    | mg/Kg                               | 1  | 10/5/2021 11:42:39 PM |  |  |
| Xylenes, Total                   | ND                                    | 0.097    | mg/Kg                               | 1  | 10/5/2021 11:42:39 PM |  |  |
| Surr: 4-Bromofluorobenzene       | 82.5                                  | 70-130   | %Rec                                | 1  | 10/5/2021 11:42:39 PM |  |  |
| EPA METHOD 300.0: ANIONS         |                                       |          |                                     |    | Analyst: <b>JMT</b>   |  |  |
| Chloride                         | 2300                                  | 60       | mg/Kg                               | 20 | 10/6/2021 8:39:23 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 range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Date Reported: 10/15/2021

10/7/2021 11:19:13 PM

#### Hall Environmental Analysis Laboratory, Inc.

**CLIENT: WSP** Client Sample ID: SS04 **Project: MC COM 160** Collection Date: 9/28/2021 2:25:00 PM Lab ID: 2109H25-004 Matrix: SOIL Received Date: 9/30/2021 7:30:00 AM PQL Qual Units Analyses Result DF Date Analyzed EPA METHOD 8015M/D: DIESEL RANGE ORGANICS Analyst: SB Diesel Range Organics (DRO) 30 9.7 mg/Kg 1 10/8/2021 10:42:14 PM Motor Oil Range Organics (MRO) ND 48 mg/Kg 1 10/8/2021 10:42:14 PM Surr: DNOP 70-130 108 %Rec 1 10/8/2021 10:42:14 PM **EPA METHOD 8015D: GASOLINE RANGE** Analyst: RAA 10/6/2021 12:06:05 AM Gasoline Range Organics (GRO) ND 4.8 mg/Kg 1 Surr: BFB 94.3 70-130 %Rec 1 10/6/2021 12:06:05 AM **EPA METHOD 8021B: VOLATILES** Analyst: RAA Benzene ND 0.024 10/6/2021 12:06:05 AM mg/Kg 1 Toluene ND 0.048 mg/Kg 1 10/6/2021 12:06:05 AM Ethylbenzene ND 0.048 mg/Kg 1 10/6/2021 12:06:05 AM Xylenes, Total ND 0.097 10/6/2021 12:06:05 AM mg/Kg 1 Surr: 4-Bromofluorobenzene 85.1 70-130 %Rec 1 10/6/2021 12:06:05 AM **EPA METHOD 300.0: ANIONS** Analyst: JMT

2500

150

mg/Kg

50

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

**Qualifiers:** 

Chloride

- \* 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
- ND Not Detected at the Reporting POL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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# Hall Environmental Analysis Laboratory, Inc.

Lab Order **2109H25** Date Reported: **10/15/2021** 

| CLIENT: WSP                     | Client Sample ID: SS05                       |        |            |                               |                       |  |
|---------------------------------|----------------------------------------------|--------|------------|-------------------------------|-----------------------|--|
| Project: MC COM 160             | <b>Collection Date:</b> 9/28/2021 2:27:00 PM |        |            |                               |                       |  |
| Lab ID: 2109H25-005             | Matrix: SOIL                                 | Rece   | ived Date: | ed Date: 9/30/2021 7:30:00 AM |                       |  |
| Analyses                        | Result                                       | PQL Qu | al Units   | DF                            | Date Analyzed         |  |
| EPA METHOD 8015M/D: DIESEL RANG | E ORGANICS                                   |        |            |                               | Analyst: SB           |  |
| Diesel Range Organics (DRO)     | 21                                           | 9.9    | mg/Kg      | 1                             | 10/8/2021 11:06:31 PM |  |
| Motor Oil Range Organics (MRO)  | ND                                           | 49     | mg/Kg      | 1                             | 10/8/2021 11:06:31 PM |  |
| Surr: DNOP                      | 107                                          | 70-130 | %Rec       | 1                             | 10/8/2021 11:06:31 PM |  |
| EPA METHOD 8015D: GASOLINE RANG | GE                                           |        |            |                               | Analyst: <b>RAA</b>   |  |
| Gasoline Range Organics (GRO)   | ND                                           | 5.0    | mg/Kg      | 1                             | 10/6/2021 12:29:29 AM |  |
| Surr: BFB                       | 92.1                                         | 70-130 | %Rec       | 1                             | 10/6/2021 12:29:29 AM |  |
| EPA METHOD 8021B: VOLATILES     |                                              |        |            |                               | Analyst: <b>RAA</b>   |  |
| Benzene                         | ND                                           | 0.025  | mg/Kg      | 1                             | 10/6/2021 12:29:29 AM |  |
| Toluene                         | ND                                           | 0.050  | mg/Kg      | 1                             | 10/6/2021 12:29:29 AM |  |
| Ethylbenzene                    | ND                                           | 0.050  | mg/Kg      | 1                             | 10/6/2021 12:29:29 AM |  |
| Xylenes, Total                  | ND                                           | 0.10   | mg/Kg      | 1                             | 10/6/2021 12:29:29 AM |  |
| Surr: 4-Bromofluorobenzene      | 81.9                                         | 70-130 | %Rec       | 1                             | 10/6/2021 12:29:29 AM |  |
| EPA METHOD 300.0: ANIONS        |                                              |        |            |                               | Analyst: <b>JMT</b>   |  |
| Chloride                        | 1400                                         | 60     | mg/Kg      | 20                            | 10/6/2021 9:04:11 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 range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Analytical Report
Lab Order 2109H25

# Hall Environmental Analysis Laboratory, Inc.

Date Reported: 10/15/2021
Client Sample ID: SS06

| Project: MC COM 160             | Collection Date: 9/28/2021 2:31:00 PM |                                     |          |    |                       |  |  |
|---------------------------------|---------------------------------------|-------------------------------------|----------|----|-----------------------|--|--|
| Lab ID: 2109H25-006             | Matrix: SOIL                          | Received Date: 9/30/2021 7:30:00 AM |          |    |                       |  |  |
| Analyses                        | Result                                | PQL Qu                              | al Units | DF | Date Analyzed         |  |  |
| EPA METHOD 8015M/D: DIESEL RANG | GE ORGANICS                           |                                     |          |    | Analyst: <b>SB</b>    |  |  |
| Diesel Range Organics (DRO)     | ND                                    | 9.6                                 | mg/Kg    | 1  | 10/8/2021 11:30:45 PM |  |  |
| Motor Oil Range Organics (MRO)  | ND                                    | 48                                  | mg/Kg    | 1  | 10/8/2021 11:30:45 PM |  |  |
| Surr: DNOP                      | 110                                   | 70-130                              | %Rec     | 1  | 10/8/2021 11:30:45 PM |  |  |
| EPA METHOD 8015D: GASOLINE RAN  | GE                                    |                                     |          |    | Analyst: <b>RAA</b>   |  |  |
| Gasoline Range Organics (GRO)   | ND                                    | 4.7                                 | mg/Kg    | 1  | 10/6/2021 2:03:08 AM  |  |  |
| Surr: BFB                       | 95.2                                  | 70-130                              | %Rec     | 1  | 10/6/2021 2:03:08 AM  |  |  |
| EPA METHOD 8021B: VOLATILES     |                                       |                                     |          |    | Analyst: <b>RAA</b>   |  |  |
| Benzene                         | ND                                    | 0.023                               | mg/Kg    | 1  | 10/6/2021 2:03:08 AM  |  |  |
| Toluene                         | ND                                    | 0.047                               | mg/Kg    | 1  | 10/6/2021 2:03:08 AM  |  |  |
| Ethylbenzene                    | ND                                    | 0.047                               | mg/Kg    | 1  | 10/6/2021 2:03:08 AM  |  |  |
| Xylenes, Total                  | ND                                    | 0.094                               | mg/Kg    | 1  | 10/6/2021 2:03:08 AM  |  |  |
| Surr: 4-Bromofluorobenzene      | 85.4                                  | 70-130                              | %Rec     | 1  | 10/6/2021 2:03:08 AM  |  |  |
| EPA METHOD 300.0: ANIONS        |                                       |                                     |          |    | Analyst: <b>JMT</b>   |  |  |
| Chloride                        | 620                                   | 59                                  | ma/Ka    | 20 | 10/6/2021 9:16:36 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 range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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# Hall Environmental Analysis Laboratory, Inc.

Lab Order 2109H25 Date Reported: 10/15/2021

| CLIENT: WSP                      | Client Sample ID: SS07                |          |          |        |                       |  |
|----------------------------------|---------------------------------------|----------|----------|--------|-----------------------|--|
| Project: MC COM 160              | Collection Date: 9/28/2021 2:33:00 PM |          |          |        |                       |  |
| Lab ID: 2109H25-007              | Matrix: SOIL                          | Receiv   | ed Date: | 9/30/2 | 021 7:30:00 AM        |  |
| Analyses                         | Result                                | PQL Qual | Units    | DF     | Date Analyzed         |  |
| EPA METHOD 8015M/D: DIESEL RANGE | ORGANICS                              |          |          |        | Analyst: SB           |  |
| Diesel Range Organics (DRO)      | ND                                    | 9.8      | mg/Kg    | 1      | 10/8/2021 11:54:57 PM |  |
| Motor Oil Range Organics (MRO)   | ND                                    | 49       | mg/Kg    | 1      | 10/8/2021 11:54:57 PM |  |
| Surr: DNOP                       | 107                                   | 70-130   | %Rec     | 1      | 10/8/2021 11:54:57 PM |  |
| EPA METHOD 8015D: GASOLINE RANG  | E                                     |          |          |        | Analyst: <b>RAA</b>   |  |
| Gasoline Range Organics (GRO)    | ND                                    | 4.6      | mg/Kg    | 1      | 10/6/2021 2:26:29 AM  |  |
| Surr: BFB                        | 94.8                                  | 70-130   | %Rec     | 1      | 10/6/2021 2:26:29 AM  |  |
| EPA METHOD 8021B: VOLATILES      |                                       |          |          |        | Analyst: <b>RAA</b>   |  |
| Benzene                          | ND                                    | 0.023    | mg/Kg    | 1      | 10/6/2021 2:26:29 AM  |  |
| Toluene                          | ND                                    | 0.046    | mg/Kg    | 1      | 10/6/2021 2:26:29 AM  |  |
| Ethylbenzene                     | ND                                    | 0.046    | mg/Kg    | 1      | 10/6/2021 2:26:29 AM  |  |
| Xylenes, Total                   | ND                                    | 0.093    | mg/Kg    | 1      | 10/6/2021 2:26:29 AM  |  |
| Surr: 4-Bromofluorobenzene       | 84.7                                  | 70-130   | %Rec     | 1      | 10/6/2021 2:26:29 AM  |  |
| EPA METHOD 300.0: ANIONS         |                                       |          |          |        | Analyst: <b>JMT</b>   |  |
| Chloride                         | 380                                   | 60       | mg/Kg    | 20     | 10/6/2021 9:29:00 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 range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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# Hall Environmental Analysis Laboratory, Inc.

Lab Order 2109H25 Date Reported: 10/15/2021

| CLIENT: WSP                      | Client Sample ID: SS08                |          |          |        |                       |  |
|----------------------------------|---------------------------------------|----------|----------|--------|-----------------------|--|
| Project: MC COM 160              | Collection Date: 9/28/2021 2:35:00 PM |          |          |        |                       |  |
| Lab ID: 2109H25-008              | Matrix: SOIL                          | Receiv   | ed Date: | 9/30/2 | 021 7:30:00 AM        |  |
| Analyses                         | Result                                | PQL Qual | Units    | DF     | Date Analyzed         |  |
| EPA METHOD 8015M/D: DIESEL RANGE | ORGANICS                              |          |          |        | Analyst: <b>SB</b>    |  |
| Diesel Range Organics (DRO)      | 210                                   | 9.4      | mg/Kg    | 1      | 10/9/2021 12:19:06 AM |  |
| Motor Oil Range Organics (MRO)   | 150                                   | 47       | mg/Kg    | 1      | 10/9/2021 12:19:06 AM |  |
| Surr: DNOP                       | 113                                   | 70-130   | %Rec     | 1      | 10/9/2021 12:19:06 AM |  |
| EPA METHOD 8015D: GASOLINE RANG  | E                                     |          |          |        | Analyst: <b>RAA</b>   |  |
| Gasoline Range Organics (GRO)    | ND                                    | 24       | mg/Kg    | 5      | 10/6/2021 2:49:58 AM  |  |
| Surr: BFB                        | 94.7                                  | 70-130   | %Rec     | 5      | 10/6/2021 2:49:58 AM  |  |
| EPA METHOD 8021B: VOLATILES      |                                       |          |          |        | Analyst: <b>RAA</b>   |  |
| Benzene                          | ND                                    | 0.12     | mg/Kg    | 5      | 10/6/2021 2:49:58 AM  |  |
| Toluene                          | ND                                    | 0.24     | mg/Kg    | 5      | 10/6/2021 2:49:58 AM  |  |
| Ethylbenzene                     | ND                                    | 0.24     | mg/Kg    | 5      | 10/6/2021 2:49:58 AM  |  |
| Xylenes, Total                   | ND                                    | 0.48     | mg/Kg    | 5      | 10/6/2021 2:49:58 AM  |  |
| Surr: 4-Bromofluorobenzene       | 85.0                                  | 70-130   | %Rec     | 5      | 10/6/2021 2:49:58 AM  |  |
| EPA METHOD 300.0: ANIONS         |                                       |          |          |        | Analyst: <b>JMT</b>   |  |
| Chloride                         | 2100                                  | 60       | ma/Ka    | 20     | 10/6/2021 9:41:24 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 range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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# Hall Environmental Analysis Laboratory, Inc.

Date Reported: 10/15/2021

| CLIENT: WSP                      | Client Sample ID: SS09                |                                     |          |    |                       |  |
|----------------------------------|---------------------------------------|-------------------------------------|----------|----|-----------------------|--|
| Project: MC COM 160              | Collection Date: 9/28/2021 2:37:00 PM |                                     |          |    |                       |  |
| Lab ID: 2109H25-009              | Matrix: SOIL                          | Received Date: 9/30/2021 7:30:00 AM |          |    |                       |  |
| Analyses                         | Result                                | PQL Qu                              | al Units | DF | Date Analyzed         |  |
| EPA METHOD 8015M/D: DIESEL RANGE | ORGANICS                              |                                     |          |    | Analyst: <b>SB</b>    |  |
| Diesel Range Organics (DRO)      | ND                                    | 9.9                                 | mg/Kg    | 1  | 10/9/2021 12:43:18 AM |  |
| Motor Oil Range Organics (MRO)   | ND                                    | 50                                  | mg/Kg    | 1  | 10/9/2021 12:43:18 AM |  |
| Surr: DNOP                       | 112                                   | 70-130                              | %Rec     | 1  | 10/9/2021 12:43:18 AM |  |
| EPA METHOD 8015D: GASOLINE RANG  | E                                     |                                     |          |    | Analyst: <b>RAA</b>   |  |
| Gasoline Range Organics (GRO)    | ND                                    | 4.8                                 | mg/Kg    | 1  | 10/6/2021 3:13:37 AM  |  |
| Surr: BFB                        | 92.8                                  | 70-130                              | %Rec     | 1  | 10/6/2021 3:13:37 AM  |  |
| EPA METHOD 8021B: VOLATILES      |                                       |                                     |          |    | Analyst: <b>RAA</b>   |  |
| Benzene                          | ND                                    | 0.024                               | mg/Kg    | 1  | 10/6/2021 3:13:37 AM  |  |
| Toluene                          | ND                                    | 0.048                               | mg/Kg    | 1  | 10/6/2021 3:13:37 AM  |  |
| Ethylbenzene                     | ND                                    | 0.048                               | mg/Kg    | 1  | 10/6/2021 3:13:37 AM  |  |
| Xylenes, Total                   | ND                                    | 0.097                               | mg/Kg    | 1  | 10/6/2021 3:13:37 AM  |  |
| Surr: 4-Bromofluorobenzene       | 82.6                                  | 70-130                              | %Rec     | 1  | 10/6/2021 3:13:37 AM  |  |
| EPA METHOD 300.0: ANIONS         |                                       |                                     |          |    | Analyst: <b>JMT</b>   |  |
| Chloride                         | 130                                   | 60                                  | ma/Ka    | 20 | 10/6/2021 9:53:49 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
- ND Not Detected at the Reporting PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Analytical Report
Lab Order 2109H25

# Hall Environmental Analysis Laboratory, Inc.

Date Reported: 10/15/2021
Client Sample ID: SS10

| Project: MC COM 160             | <b>Collection Date:</b> 9/28/2021 2:39:00 PM |                                     |          |    |                       |  |  |
|---------------------------------|----------------------------------------------|-------------------------------------|----------|----|-----------------------|--|--|
| Lab ID: 2109H25-010             | Matrix: SOIL                                 | Received Date: 9/30/2021 7:30:00 AM |          |    |                       |  |  |
| Analyses                        | Result                                       | PQL Qu                              | al Units | DF | Date Analyzed         |  |  |
| EPA METHOD 8015M/D: DIESEL RANG | <b>GE ORGANICS</b>                           |                                     |          |    | Analyst: <b>SB</b>    |  |  |
| Diesel Range Organics (DRO)     | 150                                          | 9.1                                 | mg/Kg    | 1  | 10/9/2021 1:55:58 AM  |  |  |
| Motor Oil Range Organics (MRO)  | 130                                          | 45                                  | mg/Kg    | 1  | 10/9/2021 1:55:58 AM  |  |  |
| Surr: DNOP                      | 107                                          | 70-130                              | %Rec     | 1  | 10/9/2021 1:55:58 AM  |  |  |
| EPA METHOD 8015D: GASOLINE RAN  | GE                                           |                                     |          |    | Analyst: <b>mb</b>    |  |  |
| Gasoline Range Organics (GRO)   | ND                                           | 24                                  | mg/Kg    | 5  | 10/5/2021 10:19:00 AM |  |  |
| Surr: BFB                       | 110                                          | 70-130                              | %Rec     | 5  | 10/5/2021 10:19:00 AM |  |  |
| EPA METHOD 8021B: VOLATILES     |                                              |                                     |          |    | Analyst: <b>mb</b>    |  |  |
| Benzene                         | ND                                           | 0.12                                | mg/Kg    | 5  | 10/5/2021 10:19:00 AM |  |  |
| Toluene                         | ND                                           | 0.24                                | mg/Kg    | 5  | 10/5/2021 10:19:00 AM |  |  |
| Ethylbenzene                    | ND                                           | 0.24                                | mg/Kg    | 5  | 10/5/2021 10:19:00 AM |  |  |
| Xylenes, Total                  | ND                                           | 0.48                                | mg/Kg    | 5  | 10/5/2021 10:19:00 AM |  |  |
| Surr: 4-Bromofluorobenzene      | 97.5                                         | 70-130                              | %Rec     | 5  | 10/5/2021 10:19:00 AM |  |  |
| EPA METHOD 300.0: ANIONS        |                                              |                                     |          |    | Analyst: <b>JMT</b>   |  |  |
| Chloride                        | 2200                                         | 60                                  | mg/Kg    | 20 | 10/6/2021 10:31:02 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 range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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**MC COM 160** 

2109H25-011

**CLIENT: WSP** 

**Project:** 

Lab ID:

Analytical Report
Lab Order 2109H25

#### Hall Environmental Analysis Laboratory, Inc.

 Laboratory, Inc.
 Date Reported: 10/15/2021

 Client Sample ID: SS11
 Collection Date: 9/28/2021 2:41:00 PM

 Matrix: SOIL
 Received Date: 9/30/2021 7:30:00 AM

 Result
 POL Qual Units
 DE
 Date Analyzed

| Analyses                                  | Result | PQL Qua | Units | DF | Date Analyzed         |
|-------------------------------------------|--------|---------|-------|----|-----------------------|
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS |        |         |       |    | Analyst: <b>SB</b>    |
| Diesel Range Organics (DRO)               | 330    | 10      | mg/Kg | 1  | 10/9/2021 4:43:12 PM  |
| Motor Oil Range Organics (MRO)            | 270    | 50      | mg/Kg | 1  | 10/9/2021 4:43:12 PM  |
| Surr: DNOP                                | 115    | 70-130  | %Rec  | 1  | 10/9/2021 4:43:12 PM  |
| EPA METHOD 8015D: GASOLINE RANGE          |        |         |       |    | Analyst: <b>mb</b>    |
| Gasoline Range Organics (GRO)             | ND     | 23      | mg/Kg | 5  | 10/5/2021 11:18:00 AM |
| Surr: BFB                                 | 109    | 70-130  | %Rec  | 5  | 10/5/2021 11:18:00 AM |
| EPA METHOD 8021B: VOLATILES               |        |         |       |    | Analyst: <b>mb</b>    |
| Benzene                                   | ND     | 0.12    | mg/Kg | 5  | 10/5/2021 11:18:00 AM |
| Toluene                                   | ND     | 0.23    | mg/Kg | 5  | 10/5/2021 11:18:00 AM |
| Ethylbenzene                              | ND     | 0.23    | mg/Kg | 5  | 10/5/2021 11:18:00 AM |
| Xylenes, Total                            | ND     | 0.47    | mg/Kg | 5  | 10/5/2021 11:18:00 AM |
| Surr: 4-Bromofluorobenzene                | 96.9   | 70-130  | %Rec  | 5  | 10/5/2021 11:18:00 AM |
| EPA METHOD 300.0: ANIONS                  |        |         |       |    | Analyst: <b>JMT</b>   |
| Chloride                                  | 2700   | 150     | mg/Kg | 50 | 10/7/2021 11:31:38 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
- D Sample Diluted Due to MatrixH Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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**EPA METHOD 300.0: ANIONS** 

Chloride

**Analytical Report** Lab Order 2109H25

#### Hall Environmental Analysis Laboratory, Inc.

Date Reported: 10/15/2021 **CLIENT: WSP** Client Sample ID: SS12 **Project: MC COM 160** Collection Date: 9/28/2021 2:43:00 PM Lab ID: 2109H25-012 Matrix: SOIL Received Date: 9/30/2021 7:30:00 AM PQL Qual Units Analyses Result DF Date Analyzed EPA METHOD 8015M/D: DIESEL RANGE ORGANICS Analyst: SB Diesel Range Organics (DRO) 54 9.6 mg/Kg 1 10/9/2021 3:08:25 AM Motor Oil Range Organics (MRO) 56 48 mg/Kg 1 10/9/2021 3:08:25 AM Surr: DNOP 70-130 104 %Rec 1 10/9/2021 3:08:25 AM **EPA METHOD 8015D: GASOLINE RANGE** Analyst: mb 10/5/2021 12:16:00 PM Gasoline Range Organics (GRO) ND 4.7 mg/Kg 1 Surr: BFB 101 70-130 %Rec 1 10/5/2021 12:16:00 PM **EPA METHOD 8021B: VOLATILES** Analyst: mb Benzene ND 0.024 10/5/2021 12:16:00 PM mg/Kg 1 Toluene ND 0.047 mg/Kg 1 10/5/2021 12:16:00 PM Ethylbenzene ND 0.047 mg/Kg 1 10/5/2021 12:16:00 PM Xylenes, Total ND 0.095 10/5/2021 12:16:00 PM mg/Kg 1 Surr: 4-Bromofluorobenzene 91.6 70-130 %Rec 1 10/5/2021 12:16:00 PM

2100

60

20

mg/Kg

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
- Not Detected at the Reporting Limit ND
- POL Practical Ouanitative Limit
- S % Recovery outside of range due to dilution or matrix

- в Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

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Analyst: JMT

10/6/2021 10:55:51 PM

Analytical Report
Lab Order 2109H25

# Hall Environmental Analysis Laboratory, Inc.

Date Reported: 10/15/2021 Client Sample ID: SS13 Collection Date: 9/28/2021 2:45:00 PM

| Project:            | MC COM 160              |              | <b>Collection Date:</b> 9/28/2021 2:45:00 PM |          |    |                       |  |  |  |
|---------------------|-------------------------|--------------|----------------------------------------------|----------|----|-----------------------|--|--|--|
| Lab ID: 2109H25-013 |                         | Matrix: SOIL | Received Date: 9/30/2021 7:30:00 AM          |          |    |                       |  |  |  |
| Analyses            |                         | Result       | PQL Qu                                       | al Units | DF | Date Analyzed         |  |  |  |
| EPA ME              | THOD 8015M/D: DIESEL RA | NGE ORGANICS |                                              |          |    | Analyst: <b>SB</b>    |  |  |  |
| Diesel R            | ange Organics (DRO)     | ND           | 8.6                                          | mg/Kg    | 1  | 10/9/2021 3:32:30 AM  |  |  |  |
| Motor Oi            | il Range Organics (MRO) | ND           | 43                                           | mg/Kg    | 1  | 10/9/2021 3:32:30 AM  |  |  |  |
| Surr: I             | DNOP                    | 103          | 70-130                                       | %Rec     | 1  | 10/9/2021 3:32:30 AM  |  |  |  |
|                     | THOD 8015D: GASOLINE RA | NGE          |                                              |          |    | Analyst: <b>mb</b>    |  |  |  |
| Gasoline            | e Range Organics (GRO)  | ND           | 4.7                                          | mg/Kg    | 1  | 10/5/2021 12:36:00 PM |  |  |  |
| Surr: I             | BFB                     | 105          | 70-130                                       | %Rec     | 1  | 10/5/2021 12:36:00 PM |  |  |  |
|                     | THOD 8021B: VOLATILES   |              |                                              |          |    | Analyst: <b>mb</b>    |  |  |  |
| Benzene             | •                       | ND           | 0.024                                        | mg/Kg    | 1  | 10/5/2021 12:36:00 PM |  |  |  |
| Toluene             |                         | ND           | 0.047                                        | mg/Kg    | 1  | 10/5/2021 12:36:00 PM |  |  |  |
| Ethylber            | izene                   | ND           | 0.047                                        | mg/Kg    | 1  | 10/5/2021 12:36:00 PM |  |  |  |
| Xylenes,            | Total                   | ND           | 0.094                                        | mg/Kg    | 1  | 10/5/2021 12:36:00 PM |  |  |  |
| Surr: 4             | 4-Bromofluorobenzene    | 89.1         | 70-130                                       | %Rec     | 1  | 10/5/2021 12:36:00 PM |  |  |  |
| EPA ME              | THOD 300.0: ANIONS      |              |                                              |          |    | Analyst: <b>JMT</b>   |  |  |  |
| Chloride            |                         | 860          | 60                                           | mg/Kg    | 20 | 10/6/2021 11:08:15 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
- D Sample Diluted Due to MatrixH Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Analytical Report
Lab Order 2109H25

# Hall Environmental Analysis Laboratory, Inc.

Date Reported: 10/15/2021
Client Sample ID: SS14

| Project: MC COM 160            |               | Collection Date: 9/28/2021 2:47:00 PM |          |    |                       |  |  |
|--------------------------------|---------------|---------------------------------------|----------|----|-----------------------|--|--|
| Lab ID: 2109H25-014            | Matrix: SOIL  | Received Date: 9/30/2021 7:30:00 AM   |          |    |                       |  |  |
| Analyses                       | Result        | PQL Qu                                | al Units | DF | Date Analyzed         |  |  |
| EPA METHOD 8015M/D: DIESEL F   | ANGE ORGANICS |                                       |          |    | Analyst: <b>SB</b>    |  |  |
| Diesel Range Organics (DRO)    | ND            | 9.2                                   | mg/Kg    | 1  | 10/9/2021 4:20:35 AM  |  |  |
| Motor Oil Range Organics (MRO) | ND            | 46                                    | mg/Kg    | 1  | 10/9/2021 4:20:35 AM  |  |  |
| Surr: DNOP                     | 104           | 70-130                                | %Rec     | 1  | 10/9/2021 4:20:35 AM  |  |  |
| EPA METHOD 8015D: GASOLINE     | RANGE         |                                       |          |    | Analyst: <b>mb</b>    |  |  |
| Gasoline Range Organics (GRO)  | ND            | 4.9                                   | mg/Kg    | 1  | 10/5/2021 12:56:00 PM |  |  |
| Surr: BFB                      | 98.8          | 70-130                                | %Rec     | 1  | 10/5/2021 12:56:00 PM |  |  |
| EPA METHOD 8021B: VOLATILES    | ;             |                                       |          |    | Analyst: <b>mb</b>    |  |  |
| Benzene                        | ND            | 0.025                                 | mg/Kg    | 1  | 10/5/2021 12:56:00 PM |  |  |
| Toluene                        | ND            | 0.049                                 | mg/Kg    | 1  | 10/5/2021 12:56:00 PM |  |  |
| Ethylbenzene                   | ND            | 0.049                                 | mg/Kg    | 1  | 10/5/2021 12:56:00 PM |  |  |
| Xylenes, Total                 | ND            | 0.098                                 | mg/Kg    | 1  | 10/5/2021 12:56:00 PM |  |  |
| Surr: 4-Bromofluorobenzene     | 91.1          | 70-130                                | %Rec     | 1  | 10/5/2021 12:56:00 PM |  |  |
| EPA METHOD 300.0: ANIONS       |               |                                       |          |    | Analyst: <b>JMT</b>   |  |  |
| Chloride                       | 80            | 60                                    | ma/Ka    | 20 | 10/6/2021 11:20:40 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 range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Project: MC COM 160

**CLIENT: WSP** 

Analytical Report
Lab Order 2109H25

# Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: SS15 Collection Date: 9/28/2021 2:49:00 PM

| Lab ID: 2109H25-015              | Matrix: SOIL | Rece    | ived Date: | 9/30/2 | 021 7:30:00 AM        |
|----------------------------------|--------------|---------|------------|--------|-----------------------|
| Analyses                         | Result       | PQL Qua | al Units   | DF     | Date Analyzed         |
| EPA METHOD 8015M/D: DIESEL RANGI | E ORGANICS   |         |            |        | Analyst: <b>SB</b>    |
| Diesel Range Organics (DRO)      | 150          | 9.5     | mg/Kg      | 1      | 10/9/2021 4:44:36 AM  |
| Motor Oil Range Organics (MRO)   | 130          | 47      | mg/Kg      | 1      | 10/9/2021 4:44:36 AM  |
| Surr: DNOP                       | 108          | 70-130  | %Rec       | 1      | 10/9/2021 4:44:36 AM  |
| EPA METHOD 8015D: GASOLINE RANG  | θE           |         |            |        | Analyst: <b>mb</b>    |
| Gasoline Range Organics (GRO)    | ND           | 24      | mg/Kg      | 5      | 10/5/2021 1:15:00 PM  |
| Surr: BFB                        | 112          | 70-130  | %Rec       | 5      | 10/5/2021 1:15:00 PM  |
| EPA METHOD 8021B: VOLATILES      |              |         |            |        | Analyst: <b>mb</b>    |
| Benzene                          | ND           | 0.12    | mg/Kg      | 5      | 10/5/2021 1:15:00 PM  |
| Toluene                          | ND           | 0.24    | mg/Kg      | 5      | 10/5/2021 1:15:00 PM  |
| Ethylbenzene                     | ND           | 0.24    | mg/Kg      | 5      | 10/5/2021 1:15:00 PM  |
| Xylenes, Total                   | ND           | 0.48    | mg/Kg      | 5      | 10/5/2021 1:15:00 PM  |
| Surr: 4-Bromofluorobenzene       | 98.2         | 70-130  | %Rec       | 5      | 10/5/2021 1:15:00 PM  |
| EPA METHOD 300.0: ANIONS         |              |         |            |        | Analyst: <b>JMT</b>   |
| Chloride                         | 2200         | 60      | mg/Kg      | 20     | 10/6/2021 11:33:04 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 range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Date Reported: 10/15/2021

#### Hall Environmental Analysis Laboratory, Inc.

| CLIENT:   | WSP                     | Client Sample ID: SS16<br>Collection Date: 9/28/2021 2:50:00 PM |                                     |         |    |                       |  |
|-----------|-------------------------|-----------------------------------------------------------------|-------------------------------------|---------|----|-----------------------|--|
| Project:  | MC COM 160              |                                                                 |                                     |         |    |                       |  |
| Lab ID:   | 2109H25-016             | Matrix: SOIL                                                    | Received Date: 9/30/2021 7:30:00 AM |         |    |                       |  |
| Analyses  |                         | Result                                                          | PQL Qua                             | l Units | DF | Date Analyzed         |  |
| EPA MET   | HOD 8015M/D: DIESEL RAN | IGE ORGANICS                                                    |                                     |         |    | Analyst: SB           |  |
| Diesel Ra | ange Organics (DRO)     | 47                                                              | 9.5                                 | mg/Kg   | 1  | 10/9/2021 5:08:35 AM  |  |
| Motor Oil | Range Organics (MRO)    | 61                                                              | 47                                  | mg/Kg   | 1  | 10/9/2021 5:08:35 AM  |  |
| Surr: E   | NOP                     | 104                                                             | 70-130                              | %Rec    | 1  | 10/9/2021 5:08:35 AM  |  |
| EPA MET   | HOD 8015D: GASOLINE RA  | NGE                                                             |                                     |         |    | Analyst: <b>mb</b>    |  |
| Gasoline  | Range Organics (GRO)    | ND                                                              | 5.0                                 | mg/Kg   | 1  | 10/5/2021 1:35:00 PM  |  |
| Surr: E   | BFB                     | 101                                                             | 70-130                              | %Rec    | 1  | 10/5/2021 1:35:00 PM  |  |
| EPA MET   | HOD 8021B: VOLATILES    |                                                                 |                                     |         |    | Analyst: <b>mb</b>    |  |
| Benzene   |                         | ND                                                              | 0.025                               | mg/Kg   | 1  | 10/5/2021 1:35:00 PM  |  |
| Toluene   |                         | ND                                                              | 0.050                               | mg/Kg   | 1  | 10/5/2021 1:35:00 PM  |  |
| Ethylben  | zene                    | ND                                                              | 0.050                               | mg/Kg   | 1  | 10/5/2021 1:35:00 PM  |  |
| Xylenes,  | Total                   | ND                                                              | 0.10                                | mg/Kg   | 1  | 10/5/2021 1:35:00 PM  |  |
| Surr: 4   | -Bromofluorobenzene     | 86.2                                                            | 70-130                              | %Rec    | 1  | 10/5/2021 1:35:00 PM  |  |
| EPA MET   | HOD 300.0: ANIONS       |                                                                 |                                     |         |    | Analyst: <b>JMT</b>   |  |
| Chloride  |                         | 870                                                             | 60                                  | mg/Kg   | 20 | 10/6/2021 11:45:29 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 range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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**MC COM 160** 

2109H25-017

**CLIENT: WSP** 

**Project:** 

Lab ID:

Analytical Report
Lab Order 2109H25

#### Hall Environmental Analysis Laboratory, Inc.

Laboratory, Inc.Date Reported: 10/15/2021Client Sample ID: SS17Collection Date: 9/28/2021 2:42:00 PMMatrix: SOILReceived Date: 9/30/2021 7:30:00 AM

| Analyses                            | Result      | PQL Qua | l Units | DF | Date Analyzed         |
|-------------------------------------|-------------|---------|---------|----|-----------------------|
| EPA METHOD 8015M/D: DIESEL RANGE OR | Analyst: SB |         |         |    |                       |
| Diesel Range Organics (DRO)         | 92          | 9.5     | mg/Kg   | 1  | 10/9/2021 4:19:14 PM  |
| Motor Oil Range Organics (MRO)      | 130         | 47      | mg/Kg   | 1  | 10/9/2021 4:19:14 PM  |
| Surr: DNOP                          | 110         | 70-130  | %Rec    | 1  | 10/9/2021 4:19:14 PM  |
| EPA METHOD 8015D: GASOLINE RANGE    |             |         |         |    | Analyst: mb           |
| Gasoline Range Organics (GRO)       | ND          | 4.9     | mg/Kg   | 1  | 10/5/2021 1:54:00 PM  |
| Surr: BFB                           | 107         | 70-130  | %Rec    | 1  | 10/5/2021 1:54:00 PM  |
| EPA METHOD 8021B: VOLATILES         |             |         |         |    | Analyst: <b>mb</b>    |
| Benzene                             | ND          | 0.025   | mg/Kg   | 1  | 10/5/2021 1:54:00 PM  |
| Toluene                             | ND          | 0.049   | mg/Kg   | 1  | 10/5/2021 1:54:00 PM  |
| Ethylbenzene                        | ND          | 0.049   | mg/Kg   | 1  | 10/5/2021 1:54:00 PM  |
| Xylenes, Total                      | ND          | 0.099   | mg/Kg   | 1  | 10/5/2021 1:54:00 PM  |
| Surr: 4-Bromofluorobenzene          | 90.9        | 70-130  | %Rec    | 1  | 10/5/2021 1:54:00 PM  |
| EPA METHOD 300.0: ANIONS            |             |         |         |    | Analyst: <b>JMT</b>   |
| Chloride                            | 2100        | 59      | mg/Kg   | 20 | 10/6/2021 11:57:53 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 range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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**MC COM 160** 

2109H25-018

**CLIENT: WSP** 

**Project:** 

Lab ID:

Analytical Report
Lab Order 2109H25

#### Hall Environmental Analysis Laboratory, Inc.

Date Reported: 10/15/2021 Client Sample ID: SS18 Collection Date: 9/28/2021 2:53:00 PM

Received Date: 9/30/2021 7:30:00 AM

| Analyses                             | Result      | PQL Qu | al Units | DF | Date Analyzed         |
|--------------------------------------|-------------|--------|----------|----|-----------------------|
| EPA METHOD 8015M/D: DIESEL RANGE ORG | Analyst: SB |        |          |    |                       |
| Diesel Range Organics (DRO)          | 76          | 10     | mg/Kg    | 1  | 10/9/2021 5:32:30 AM  |
| Motor Oil Range Organics (MRO)       | 140         | 50     | mg/Kg    | 1  | 10/9/2021 5:32:30 AM  |
| Surr: DNOP                           | 108         | 70-130 | %Rec     | 1  | 10/9/2021 5:32:30 AM  |
| EPA METHOD 8015D: GASOLINE RANGE     |             |        |          |    | Analyst: <b>mb</b>    |
| Gasoline Range Organics (GRO)        | ND          | 4.8    | mg/Kg    | 1  | 10/5/2021 2:14:00 PM  |
| Surr: BFB                            | 102         | 70-130 | %Rec     | 1  | 10/5/2021 2:14:00 PM  |
| EPA METHOD 8021B: VOLATILES          |             |        |          |    | Analyst: <b>mb</b>    |
| Benzene                              | ND          | 0.024  | mg/Kg    | 1  | 10/5/2021 2:14:00 PM  |
| Toluene                              | ND          | 0.048  | mg/Kg    | 1  | 10/5/2021 2:14:00 PM  |
| Ethylbenzene                         | ND          | 0.048  | mg/Kg    | 1  | 10/5/2021 2:14:00 PM  |
| Xylenes, Total                       | ND          | 0.097  | mg/Kg    | 1  | 10/5/2021 2:14:00 PM  |
| Surr: 4-Bromofluorobenzene           | 92.8        | 70-130 | %Rec     | 1  | 10/5/2021 2:14:00 PM  |
| EPA METHOD 300.0: ANIONS             |             |        |          |    | Analyst: <b>JMT</b>   |
| Chloride                             | 630         | 60     | mg/Kg    | 20 | 10/7/2021 12:10:18 AM |

Matrix: SOIL

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 range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Analytical Report
Lab Order 2109H25

# Hall Environmental Analysis Laboratory, Inc.

Date Reported: 10/15/2021 Client Sample ID: SS19 Collection Date: 9/28/2021 2:56:00 PM

| Project: MC COM 160            | <b>Collection Date:</b> 9/28/2021 2:56:00 PM |        |             |        |                       |  |  |
|--------------------------------|----------------------------------------------|--------|-------------|--------|-----------------------|--|--|
| Lab ID: 2109H25-019            | Matrix: SOIL                                 | Rece   | eived Date: | 9/30/2 | 021 7:30:00 AM        |  |  |
| Analyses                       | Result                                       | PQL Qu | al Units    | DF     | Date Analyzed         |  |  |
| EPA METHOD 8015M/D: DIESEL RAM | NGE ORGANICS                                 |        |             |        | Analyst: <b>SB</b>    |  |  |
| Diesel Range Organics (DRO)    | 9.8                                          | 9.2    | mg/Kg       | 1      | 10/9/2021 5:56:26 AM  |  |  |
| Motor Oil Range Organics (MRO) | ND                                           | 46     | mg/Kg       | 1      | 10/9/2021 5:56:26 AM  |  |  |
| Surr: DNOP                     | 104                                          | 70-130 | %Rec        | 1      | 10/9/2021 5:56:26 AM  |  |  |
| EPA METHOD 8015D: GASOLINE RA  | NGE                                          |        |             |        | Analyst: <b>mb</b>    |  |  |
| Gasoline Range Organics (GRO)  | ND                                           | 4.7    | mg/Kg       | 1      | 10/5/2021 2:34:00 PM  |  |  |
| Surr: BFB                      | 107                                          | 70-130 | %Rec        | 1      | 10/5/2021 2:34:00 PM  |  |  |
| EPA METHOD 8021B: VOLATILES    |                                              |        |             |        | Analyst: <b>mb</b>    |  |  |
| Benzene                        | ND                                           | 0.024  | mg/Kg       | 1      | 10/5/2021 2:34:00 PM  |  |  |
| Toluene                        | ND                                           | 0.047  | mg/Kg       | 1      | 10/5/2021 2:34:00 PM  |  |  |
| Ethylbenzene                   | ND                                           | 0.047  | mg/Kg       | 1      | 10/5/2021 2:34:00 PM  |  |  |
| Xylenes, Total                 | ND                                           | 0.095  | mg/Kg       | 1      | 10/5/2021 2:34:00 PM  |  |  |
| Surr: 4-Bromofluorobenzene     | 92.4                                         | 70-130 | %Rec        | 1      | 10/5/2021 2:34:00 PM  |  |  |
| EPA METHOD 300.0: ANIONS       |                                              |        |             |        | Analyst: <b>JMT</b>   |  |  |
| Chloride                       | 1500                                         | 60     | mg/Kg       | 20     | 10/7/2021 12:22:42 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 range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Analytical Report
Lab Order 2109H25

# Hall Environmental Analysis Laboratory, Inc.

Date Reported: 10/15/2021
Client Sample ID: SS20

| Project: MC COM 160             | <b>Collection Date:</b> 9/28/2021 2:57:00 PM |                                     |          |    |                       |  |  |
|---------------------------------|----------------------------------------------|-------------------------------------|----------|----|-----------------------|--|--|
| Lab ID: 2109H25-020             | Matrix: SOIL                                 | Received Date: 9/30/2021 7:30:00 AM |          |    |                       |  |  |
| Analyses                        | Result                                       | PQL Qu                              | al Units | DF | Date Analyzed         |  |  |
| EPA METHOD 8015M/D: DIESEL RANG | E ORGANICS                                   |                                     |          |    | Analyst: <b>SB</b>    |  |  |
| Diesel Range Organics (DRO)     | 70                                           | 9.3                                 | mg/Kg    | 1  | 10/9/2021 6:20:13 AM  |  |  |
| Motor Oil Range Organics (MRO)  | 67                                           | 47                                  | mg/Kg    | 1  | 10/9/2021 6:20:13 AM  |  |  |
| Surr: DNOP                      | 105                                          | 70-130                              | %Rec     | 1  | 10/9/2021 6:20:13 AM  |  |  |
| EPA METHOD 8015D: GASOLINE RAN  | GE                                           |                                     |          |    | Analyst: <b>mb</b>    |  |  |
| Gasoline Range Organics (GRO)   | ND                                           | 5.0                                 | mg/Kg    | 1  | 10/5/2021 3:33:00 PM  |  |  |
| Surr: BFB                       | 101                                          | 70-130                              | %Rec     | 1  | 10/5/2021 3:33:00 PM  |  |  |
| EPA METHOD 8021B: VOLATILES     |                                              |                                     |          |    | Analyst: <b>mb</b>    |  |  |
| Benzene                         | ND                                           | 0.025                               | mg/Kg    | 1  | 10/5/2021 3:33:00 PM  |  |  |
| Toluene                         | ND                                           | 0.050                               | mg/Kg    | 1  | 10/5/2021 3:33:00 PM  |  |  |
| Ethylbenzene                    | ND                                           | 0.050                               | mg/Kg    | 1  | 10/5/2021 3:33:00 PM  |  |  |
| Xylenes, Total                  | ND                                           | 0.099                               | mg/Kg    | 1  | 10/5/2021 3:33:00 PM  |  |  |
| Surr: 4-Bromofluorobenzene      | 89.1                                         | 70-130                              | %Rec     | 1  | 10/5/2021 3:33:00 PM  |  |  |
| EPA METHOD 300.0: ANIONS        |                                              |                                     |          |    | Analyst: <b>JMT</b>   |  |  |
| Chloride                        | 3100                                         | 150                                 | mg/Kg    | 50 | 10/7/2021 11:44:02 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 range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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MC COM 160

2109H25-021

**CLIENT: WSP** 

**Project:** 

Lab ID:

Analytical Report
Lab Order 2109H25

#### Hall Environmental Analysis Laboratory, Inc.

Date Reported: 10/15/2021 Client Sample ID: SS21 Collection Date: 9/28/2021 2:59:00 PM

Received Date: 9/30/2021 7:30:00 AM

| Analyses                           | Result      | PQL Qua | l Units | DF | Date Analyzed        |
|------------------------------------|-------------|---------|---------|----|----------------------|
| EPA METHOD 8015M/D: DIESEL RANGE O | Analyst: SB |         |         |    |                      |
| Diesel Range Organics (DRO)        | 10          | 8.9     | mg/Kg   | 1  | 10/9/2021 6:43:51 AM |
| Motor Oil Range Organics (MRO)     | ND          | 44      | mg/Kg   | 1  | 10/9/2021 6:43:51 AM |
| Surr: DNOP                         | 105         | 70-130  | %Rec    | 1  | 10/9/2021 6:43:51 AM |
| EPA METHOD 8015D: GASOLINE RANGE   |             |         |         |    | Analyst: <b>mb</b>   |
| Gasoline Range Organics (GRO)      | ND          | 4.8     | mg/Kg   | 1  | 10/5/2021 3:52:00 PM |
| Surr: BFB                          | 96.1        | 70-130  | %Rec    | 1  | 10/5/2021 3:52:00 PM |
| EPA METHOD 8021B: VOLATILES        |             |         |         |    | Analyst: mb          |
| Benzene                            | ND          | 0.024   | mg/Kg   | 1  | 10/5/2021 3:52:00 PM |
| Toluene                            | ND          | 0.048   | mg/Kg   | 1  | 10/5/2021 3:52:00 PM |
| Ethylbenzene                       | ND          | 0.048   | mg/Kg   | 1  | 10/5/2021 3:52:00 PM |
| Xylenes, Total                     | ND          | 0.097   | mg/Kg   | 1  | 10/5/2021 3:52:00 PM |
| Surr: 4-Bromofluorobenzene         | 87.8        | 70-130  | %Rec    | 1  | 10/5/2021 3:52:00 PM |
| EPA METHOD 300.0: ANIONS           |             |         |         |    | Analyst: VP          |
| Chloride                           | 520         | 60      | mg/Kg   | 20 | 10/7/2021 2:32:16 PM |

Matrix: SOIL

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
- D Sample Diluted Due to MatrixH Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Project: MC COM 160

**CLIENT: WSP** 

Analytical Report
Lab Order 2109H25

#### Hall Environmental Analysis Laboratory, Inc.

Date Reported: 10/15/2021 Client Sample ID: SS22 Collection Date: 9/28/2021 3:00:00 PM

| Lab ID: 2109H25-022             | Matrix: SOIL Received Date: |        |          |    | e:9/30/2021 7:30:00 AM |  |  |
|---------------------------------|-----------------------------|--------|----------|----|------------------------|--|--|
| Analyses                        | Result                      | PQL Qu | al Units | DF | Date Analyzed          |  |  |
| EPA METHOD 8015M/D: DIESEL RANG | GE ORGANICS                 |        |          |    | Analyst: SB            |  |  |
| Diesel Range Organics (DRO)     | 150                         | 9.6    | mg/Kg    | 1  | 10/9/2021 7:07:36 AM   |  |  |
| Motor Oil Range Organics (MRO)  | 150                         | 48     | mg/Kg    | 1  | 10/9/2021 7:07:36 AM   |  |  |
| Surr: DNOP                      | 114                         | 70-130 | %Rec     | 1  | 10/9/2021 7:07:36 AM   |  |  |
| EPA METHOD 8015D: GASOLINE RAN  | IGE                         |        |          |    | Analyst: mb            |  |  |
| Gasoline Range Organics (GRO)   | ND                          | 24     | mg/Kg    | 5  | 10/5/2021 4:12:00 PM   |  |  |
| Surr: BFB                       | 110                         | 70-130 | %Rec     | 5  | 10/5/2021 4:12:00 PM   |  |  |
| EPA METHOD 8021B: VOLATILES     |                             |        |          |    | Analyst: mb            |  |  |
| Benzene                         | ND                          | 0.12   | mg/Kg    | 5  | 10/5/2021 4:12:00 PM   |  |  |
| Toluene                         | ND                          | 0.24   | mg/Kg    | 5  | 10/5/2021 4:12:00 PM   |  |  |
| Ethylbenzene                    | ND                          | 0.24   | mg/Kg    | 5  | 10/5/2021 4:12:00 PM   |  |  |
| Xylenes, Total                  | ND                          | 0.48   | mg/Kg    | 5  | 10/5/2021 4:12:00 PM   |  |  |
| Surr: 4-Bromofluorobenzene      | 96.5                        | 70-130 | %Rec     | 5  | 10/5/2021 4:12:00 PM   |  |  |
| EPA METHOD 300.0: ANIONS        |                             |        |          |    | Analyst: VP            |  |  |
| Chloride                        | 960                         | 60     | mg/Kg    | 20 | 10/7/2021 3:09:29 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 range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Analytical Report
Lab Order 2109H25

# Hall Environmental Analysis Laboratory, Inc.

Date Reported: 10/15/2021
Client Sample ID: SS23

| Project: | MC COM 160              | <b>Collection Date:</b> 9/28/2021 3:02:00 PM |                                     |          |    |                      |  |  |
|----------|-------------------------|----------------------------------------------|-------------------------------------|----------|----|----------------------|--|--|
| Lab ID:  | 2109H25-023             | Matrix: SOIL                                 | Received Date: 9/30/2021 7:30:00 AM |          |    |                      |  |  |
| Analyses |                         | Result                                       | PQL Qu                              | al Units | DF | Date Analyzed        |  |  |
| EPA ME   | THOD 8015M/D: DIESEL RA | NGE ORGANICS                                 |                                     |          |    | Analyst: <b>SB</b>   |  |  |
| Diesel F | Range Organics (DRO)    | ND                                           | 9.1                                 | mg/Kg    | 1  | 10/9/2021 7:31:21 AM |  |  |
| Motor O  | il Range Organics (MRO) | ND                                           | 46                                  | mg/Kg    | 1  | 10/9/2021 7:31:21 AM |  |  |
| Surr:    | DNOP                    | 103                                          | 70-130                              | %Rec     | 1  | 10/9/2021 7:31:21 AM |  |  |
| EPA ME   | THOD 8015D: GASOLINE RA | ANGE                                         |                                     |          |    | Analyst: <b>mb</b>   |  |  |
| Gasoline | e Range Organics (GRO)  | ND                                           | 4.7                                 | mg/Kg    | 1  | 10/5/2021 4:32:00 PM |  |  |
| Surr:    | BFB                     | 102                                          | 70-130                              | %Rec     | 1  | 10/5/2021 4:32:00 PM |  |  |
| EPA ME   | THOD 8021B: VOLATILES   |                                              |                                     |          |    | Analyst: <b>mb</b>   |  |  |
| Benzene  | e                       | ND                                           | 0.024                               | mg/Kg    | 1  | 10/5/2021 4:32:00 PM |  |  |
| Toluene  |                         | ND                                           | 0.047                               | mg/Kg    | 1  | 10/5/2021 4:32:00 PM |  |  |
| Ethylber | nzene                   | ND                                           | 0.047                               | mg/Kg    | 1  | 10/5/2021 4:32:00 PM |  |  |
| Xylenes  | , Total                 | ND                                           | 0.095                               | mg/Kg    | 1  | 10/5/2021 4:32:00 PM |  |  |
| Surr:    | 4-Bromofluorobenzene    | 90.4                                         | 70-130                              | %Rec     | 1  | 10/5/2021 4:32:00 PM |  |  |
| EPA ME   | THOD 300.0: ANIONS      |                                              |                                     |          |    | Analyst: <b>VP</b>   |  |  |
| Chloride |                         | 230                                          | 60                                  | mg/Kg    | 20 | 10/7/2021 3:46:45 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 range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Project: MC COM 160

Analytical Report
Lab Order 2109H25

#### Hall Environmental Analysis Laboratory, Inc.

Date Reported: 10/15/2021 Client Sample ID: SS24 Collection Date: 9/28/2021 3:04:00 PM

| Lab ID: 2109H25-024            | Matrix: SOIL | Received Date: 9/30/2021 7:30:00 AM |          |    |                      |  |
|--------------------------------|--------------|-------------------------------------|----------|----|----------------------|--|
| Analyses                       | Result       | PQL Qu                              | al Units | DF | Date Analyzed        |  |
| EPA METHOD 8015M/D: DIESEL RAM | IGE ORGANICS |                                     |          |    | Analyst: <b>SB</b>   |  |
| Diesel Range Organics (DRO)    | 290          | 9.9                                 | mg/Kg    | 1  | 10/9/2021 7:55:13 AM |  |
| Motor Oil Range Organics (MRO) | 250          | 50                                  | mg/Kg    | 1  | 10/9/2021 7:55:13 AM |  |
| Surr: DNOP                     | 107          | 70-130                              | %Rec     | 1  | 10/9/2021 7:55:13 AM |  |
| EPA METHOD 8015D: GASOLINE RA  | NGE          |                                     |          |    | Analyst: <b>mb</b>   |  |
| Gasoline Range Organics (GRO)  | ND           | 24                                  | mg/Kg    | 5  | 10/5/2021 4:51:00 PM |  |
| Surr: BFB                      | 108          | 70-130                              | %Rec     | 5  | 10/5/2021 4:51:00 PM |  |
| EPA METHOD 8021B: VOLATILES    |              |                                     |          |    | Analyst: mb          |  |
| Benzene                        | ND           | 0.12                                | mg/Kg    | 5  | 10/5/2021 4:51:00 PM |  |
| Toluene                        | ND           | 0.24                                | mg/Kg    | 5  | 10/5/2021 4:51:00 PM |  |
| Ethylbenzene                   | ND           | 0.24                                | mg/Kg    | 5  | 10/5/2021 4:51:00 PM |  |
| Xylenes, Total                 | ND           | 0.48                                | mg/Kg    | 5  | 10/5/2021 4:51:00 PM |  |
| Surr: 4-Bromofluorobenzene     | 98.4         | 70-130                              | %Rec     | 5  | 10/5/2021 4:51:00 PM |  |
| EPA METHOD 300.0: ANIONS       |              |                                     |          |    | Analyst: <b>VP</b>   |  |
| Chloride                       | 1400         | 60                                  | mg/Kg    | 20 | 10/7/2021 3:59:10 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 range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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**MC COM 160** 

2109H25-025

**CLIENT: WSP** 

**Project:** 

Lab ID:

Analytical Report
Lab Order 2109H25

#### Hall Environmental Analysis Laboratory, Inc.

Date Reported: 10/15/2021 Client Sample ID: SS25 Collection Date: 9/28/2021 3:06:00 PM

Received Date: 9/30/2021 7:30:00 AM

| Analyses                             | Result | PQL Qua | al Units | DF | Date Analyzed        |
|--------------------------------------|--------|---------|----------|----|----------------------|
| EPA METHOD 8015M/D: DIESEL RANGE ORG | GANICS |         |          |    | Analyst: <b>SB</b>   |
| Diesel Range Organics (DRO)          | 490    | 9.8     | mg/Kg    | 1  | 10/9/2021 5:07:10 PM |
| Motor Oil Range Organics (MRO)       | 400    | 49      | mg/Kg    | 1  | 10/9/2021 5:07:10 PM |
| Surr: DNOP                           | 114    | 70-130  | %Rec     | 1  | 10/9/2021 5:07:10 PM |
| EPA METHOD 8015D: GASOLINE RANGE     |        |         |          |    | Analyst: <b>mb</b>   |
| Gasoline Range Organics (GRO)        | ND     | 24      | mg/Kg    | 5  | 10/5/2021 5:11:00 PM |
| Surr: BFB                            | 113    | 70-130  | %Rec     | 5  | 10/5/2021 5:11:00 PM |
| EPA METHOD 8021B: VOLATILES          |        |         |          |    | Analyst: <b>mb</b>   |
| Benzene                              | ND     | 0.12    | mg/Kg    | 5  | 10/5/2021 5:11:00 PM |
| Toluene                              | ND     | 0.24    | mg/Kg    | 5  | 10/5/2021 5:11:00 PM |
| Ethylbenzene                         | ND     | 0.24    | mg/Kg    | 5  | 10/5/2021 5:11:00 PM |
| Xylenes, Total                       | ND     | 0.47    | mg/Kg    | 5  | 10/5/2021 5:11:00 PM |
| Surr: 4-Bromofluorobenzene           | 96.1   | 70-130  | %Rec     | 5  | 10/5/2021 5:11:00 PM |
| EPA METHOD 300.0: ANIONS             |        |         |          |    | Analyst: <b>JMT</b>  |
| Chloride                             | 3000   | 150     | mg/Kg    | 50 | 10/8/2021 7:18:20 AM |

Matrix: SOIL

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 range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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# Hall Environmental Analysis Laboratory, Inc.

Date Reported: 10/15/2021
Client Sample ID: SS26

| CLIENT: WSP                      |              | Client Sa | ample ID: | SS26   |                      |
|----------------------------------|--------------|-----------|-----------|--------|----------------------|
| Project: MC COM 160              |              | Collect   | ion Date: | 9/28/2 | 021 3:10:00 PM       |
| Lab ID: 2109H25-026              | Matrix: SOIL | Recei     | ved Date: | 9/30/2 | 021 7:30:00 AM       |
| Analyses                         | Result       | PQL Qua   | l Units   | DF     | Date Analyzed        |
| EPA METHOD 8015M/D: DIESEL RANGI | E ORGANICS   |           |           |        | Analyst: SB          |
| Diesel Range Organics (DRO)      | 13           | 9.6       | mg/Kg     | 1      | 10/9/2021 8:19:07 AM |
| Motor Oil Range Organics (MRO)   | ND           | 48        | mg/Kg     | 1      | 10/9/2021 8:19:07 AM |
| Surr: DNOP                       | 102          | 70-130    | %Rec      | 1      | 10/9/2021 8:19:07 AM |
| EPA METHOD 8015D: GASOLINE RANG  | E            |           |           |        | Analyst: mb          |
| Gasoline Range Organics (GRO)    | ND           | 4.8       | mg/Kg     | 1      | 10/5/2021 5:30:00 PM |
| Surr: BFB                        | 100          | 70-130    | %Rec      | 1      | 10/5/2021 5:30:00 PM |
| EPA METHOD 8021B: VOLATILES      |              |           |           |        | Analyst: mb          |
| Benzene                          | ND           | 0.024     | mg/Kg     | 1      | 10/5/2021 5:30:00 PM |
| Toluene                          | ND           | 0.048     | mg/Kg     | 1      | 10/5/2021 5:30:00 PM |
| Ethylbenzene                     | ND           | 0.048     | mg/Kg     | 1      | 10/5/2021 5:30:00 PM |
| Xylenes, Total                   | ND           | 0.096     | mg/Kg     | 1      | 10/5/2021 5:30:00 PM |
| Surr: 4-Bromofluorobenzene       | 90.6         | 70-130    | %Rec      | 1      | 10/5/2021 5:30:00 PM |
| EPA METHOD 300.0: ANIONS         |              |           |           |        | Analyst: VP          |
| Chloride                         | 190          | 60        | mg/Kg     | 20     | 10/7/2021 7:42:36 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 range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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**MC COM 160** 

2109H25-027

**CLIENT: WSP** 

**Project:** 

Lab ID:

Analytical Report
Lab Order 2109H25

#### Hall Environmental Analysis Laboratory, Inc.

Date Reported: 10/15/2021 Client Sample ID: SS27 Collection Date: 9/28/2021 3:11:00 PM

Received Date: 9/30/2021 7:30:00 AM

| Analyses                             | Result | PQL Qu | al Units | DF | Date Analyzed        |
|--------------------------------------|--------|--------|----------|----|----------------------|
| EPA METHOD 8015M/D: DIESEL RANGE ORG | GANICS |        |          |    | Analyst: SB          |
| Diesel Range Organics (DRO)          | ND     | 9.1    | mg/Kg    | 1  | 10/9/2021 8:43:06 AM |
| Motor Oil Range Organics (MRO)       | ND     | 45     | mg/Kg    | 1  | 10/9/2021 8:43:06 AM |
| Surr: DNOP                           | 100    | 70-130 | %Rec     | 1  | 10/9/2021 8:43:06 AM |
| EPA METHOD 8015D: GASOLINE RANGE     |        |        |          |    | Analyst: <b>mb</b>   |
| Gasoline Range Organics (GRO)        | ND     | 5.0    | mg/Kg    | 1  | 10/5/2021 5:50:00 PM |
| Surr: BFB                            | 100    | 70-130 | %Rec     | 1  | 10/5/2021 5:50:00 PM |
| EPA METHOD 8021B: VOLATILES          |        |        |          |    | Analyst: mb          |
| Benzene                              | ND     | 0.025  | mg/Kg    | 1  | 10/5/2021 5:50:00 PM |
| Toluene                              | ND     | 0.050  | mg/Kg    | 1  | 10/5/2021 5:50:00 PM |
| Ethylbenzene                         | ND     | 0.050  | mg/Kg    | 1  | 10/5/2021 5:50:00 PM |
| Xylenes, Total                       | ND     | 0.099  | mg/Kg    | 1  | 10/5/2021 5:50:00 PM |
| Surr: 4-Bromofluorobenzene           | 88.9   | 70-130 | %Rec     | 1  | 10/5/2021 5:50:00 PM |
| EPA METHOD 300.0: ANIONS             |        |        |          |    | Analyst: VP          |
| Chloride                             | 550    | 60     | mg/Kg    | 20 | 10/7/2021 7:55:01 PM |

Matrix: SOIL

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 range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Analytical Report
Lab Order 2109H25

# Hall Environmental Analysis Laboratory, Inc.

Date Reported: 10/15/2021 Client Sample ID: SS28 Collection Date: 9/28/2021 3:12:00 PM

| Project: | MC COM 160              |              | Collec  | tion Date: | 9/28/2 | 021 3:12:00 PM       |
|----------|-------------------------|--------------|---------|------------|--------|----------------------|
| Lab ID:  | 2109H25-028             | Matrix: SOIL | Recei   | ived Date: | 9/30/2 | 021 7:30:00 AM       |
| Analyses |                         | Result       | PQL Qua | al Units   | DF     | Date Analyzed        |
| EPA ME   | THOD 8015M/D: DIESEL RA | NGE ORGANICS |         |            |        | Analyst: SB          |
| Diesel R | ange Organics (DRO)     | ND           | 9.4     | mg/Kg      | 1      | 10/9/2021 9:07:03 AM |
| Motor O  | il Range Organics (MRO) | ND           | 47      | mg/Kg      | 1      | 10/9/2021 9:07:03 AM |
| Surr:    | DNOP                    | 102          | 70-130  | %Rec       | 1      | 10/9/2021 9:07:03 AM |
| EPA ME   | THOD 8015D: GASOLINE R  | ANGE         |         |            |        | Analyst: <b>mb</b>   |
| Gasoline | e Range Organics (GRO)  | ND           | 5.0     | mg/Kg      | 1      | 10/5/2021 6:10:00 PM |
| Surr:    | BFB                     | 97.7         | 70-130  | %Rec       | 1      | 10/5/2021 6:10:00 PM |
| EPA ME   | THOD 8021B: VOLATILES   |              |         |            |        | Analyst: <b>mb</b>   |
| Benzene  | 9                       | ND           | 0.025   | mg/Kg      | 1      | 10/5/2021 6:10:00 PM |
| Toluene  |                         | ND           | 0.050   | mg/Kg      | 1      | 10/5/2021 6:10:00 PM |
| Ethylber | izene                   | ND           | 0.050   | mg/Kg      | 1      | 10/5/2021 6:10:00 PM |
| Xylenes  | , Total                 | ND           | 0.10    | mg/Kg      | 1      | 10/5/2021 6:10:00 PM |
| Surr:    | 4-Bromofluorobenzene    | 88.8         | 70-130  | %Rec       | 1      | 10/5/2021 6:10:00 PM |
| EPA ME   | THOD 300.0: ANIONS      |              |         |            |        | Analyst: VP          |
| Chloride | 1                       | 140          | 61      | mg/Kg      | 20     | 10/7/2021 8:07:26 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
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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# Hall Environmental Analysis Laboratory, Inc.

Date Reported: 10/15/2021

| CLIENT: WSP                      |              | Client S | ample ID:  | SS29   |                      |
|----------------------------------|--------------|----------|------------|--------|----------------------|
| Project: MC COM 160              |              | Collec   | tion Date: | 9/28/2 | 021 3:14:00 PM       |
| Lab ID: 2109H25-029              | Matrix: SOIL | Recei    | ived Date: | 9/30/2 | 021 7:30:00 AM       |
| Analyses                         | Result       | PQL Qua  | al Units   | DF     | Date Analyzed        |
| EPA METHOD 8015M/D: DIESEL RANGE | ORGANICS     |          |            |        | Analyst: <b>SB</b>   |
| Diesel Range Organics (DRO)      | 150          | 9.8      | mg/Kg      | 1      | 10/9/2021 9:31:03 AM |
| Motor Oil Range Organics (MRO)   | 180          | 49       | mg/Kg      | 1      | 10/9/2021 9:31:03 AM |
| Surr: DNOP                       | 107          | 70-130   | %Rec       | 1      | 10/9/2021 9:31:03 AM |
| EPA METHOD 8015D: GASOLINE RANG  | E            |          |            |        | Analyst: <b>mb</b>   |
| Gasoline Range Organics (GRO)    | ND           | 4.8      | mg/Kg      | 1      | 10/5/2021 6:29:00 PM |
| Surr: BFB                        | 97.9         | 70-130   | %Rec       | 1      | 10/5/2021 6:29:00 PM |
| EPA METHOD 8021B: VOLATILES      |              |          |            |        | Analyst: <b>mb</b>   |
| Benzene                          | ND           | 0.024    | mg/Kg      | 1      | 10/5/2021 6:29:00 PM |
| Toluene                          | ND           | 0.048    | mg/Kg      | 1      | 10/5/2021 6:29:00 PM |
| Ethylbenzene                     | ND           | 0.048    | mg/Kg      | 1      | 10/5/2021 6:29:00 PM |
| Xylenes, Total                   | ND           | 0.097    | mg/Kg      | 1      | 10/5/2021 6:29:00 PM |
| Surr: 4-Bromofluorobenzene       | 86.7         | 70-130   | %Rec       | 1      | 10/5/2021 6:29:00 PM |
| EPA METHOD 300.0: ANIONS         |              |          |            |        | Analyst: <b>VP</b>   |
| Chloride                         | 2200         | 60       | mg/Kg      | 20     | 10/7/2021 8:19:51 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 range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Analytical Report
Lab Order 2109H25

# Hall Environmental Analysis Laboratory, Inc.

Date Reported: 10/15/2021
Client Sample ID: SS30

| Project: MC COM 160            |               | Colle  | ction Date: | 9/28/2 | 021 3:15:00 PM        |
|--------------------------------|---------------|--------|-------------|--------|-----------------------|
| Lab ID: 2109H25-030            | Matrix: SOIL  | Rece   | eived Date: | 9/30/2 | 021 7:30:00 AM        |
| Analyses                       | Result        | PQL Qu | al Units    | DF     | Date Analyzed         |
| EPA METHOD 8015M/D: DIESEL R   | ANGE ORGANICS |        |             |        | Analyst: <b>SB</b>    |
| Diesel Range Organics (DRO)    | 300           | 9.6    | mg/Kg       | 1      | 10/5/2021 12:11:12 PM |
| Motor Oil Range Organics (MRO) | 230           | 48     | mg/Kg       | 1      | 10/5/2021 12:11:12 PM |
| Surr: DNOP                     | 110           | 70-130 | %Rec        | 1      | 10/5/2021 12:11:12 PM |
| EPA METHOD 8015D: GASOLINE     | RANGE         |        |             |        | Analyst: <b>mb</b>    |
| Gasoline Range Organics (GRO)  | ND            | 24     | mg/Kg       | 5      | 10/5/2021 8:27:00 PM  |
| Surr: BFB                      | 103           | 70-130 | %Rec        | 5      | 10/5/2021 8:27:00 PM  |
| EPA METHOD 8021B: VOLATILES    |               |        |             |        | Analyst: <b>mb</b>    |
| Benzene                        | ND            | 0.12   | mg/Kg       | 5      | 10/5/2021 8:27:00 PM  |
| Toluene                        | ND            | 0.24   | mg/Kg       | 5      | 10/5/2021 8:27:00 PM  |
| Ethylbenzene                   | ND            | 0.24   | mg/Kg       | 5      | 10/5/2021 8:27:00 PM  |
| Xylenes, Total                 | ND            | 0.48   | mg/Kg       | 5      | 10/5/2021 8:27:00 PM  |
| Surr: 4-Bromofluorobenzene     | 91.4          | 70-130 | %Rec        | 5      | 10/5/2021 8:27:00 PM  |
| EPA METHOD 300.0: ANIONS       |               |        |             |        | Analyst: <b>JMT</b>   |
| Chloride                       | 3100          | 150    | mg/Kg       | 50     | 10/8/2021 7:30:45 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 MatrixH Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Analytical Report
Lab Order 2109H25

# Hall Environmental Analysis Laboratory, Inc.

Date Reported: 10/15/2021
Client Sample ID: SS31

| Project: | MC COM 160              |              | Colle  | ction Date: | 9/28/2 | 021 3:17:00 PM       |
|----------|-------------------------|--------------|--------|-------------|--------|----------------------|
| Lab ID:  | 2109H25-031             | Matrix: SOIL | Rece   | eived Date: | 9/30/2 | 021 7:30:00 AM       |
| Analyses |                         | Result       | PQL Qu | al Units    | DF     | Date Analyzed        |
| EPA MET  | THOD 8015M/D: DIESEL RA | NGE ORGANICS |        |             |        | Analyst: <b>SB</b>   |
| Diesel R | ange Organics (DRO)     | ND           | 9.6    | mg/Kg       | 1      | 10/5/2021 3:21:38 PM |
| Motor Oi | I Range Organics (MRO)  | ND           | 48     | mg/Kg       | 1      | 10/5/2021 3:21:38 PM |
| Surr: [  | DNOP                    | 102          | 70-130 | %Rec        | 1      | 10/5/2021 3:21:38 PM |
| EPA MET  | HOD 8015D: GASOLINE RA  | ANGE         |        |             |        | Analyst: <b>mb</b>   |
| Gasoline | Range Organics (GRO)    | ND           | 4.9    | mg/Kg       | 1      | 10/5/2021 9:26:00 PM |
| Surr: E  | BFB                     | 100          | 70-130 | %Rec        | 1      | 10/5/2021 9:26:00 PM |
| ΕΡΑ ΜΕΊ  | THOD 8021B: VOLATILES   |              |        |             |        | Analyst: <b>mb</b>   |
| Benzene  |                         | ND           | 0.024  | mg/Kg       | 1      | 10/5/2021 9:26:00 PM |
| Toluene  |                         | ND           | 0.049  | mg/Kg       | 1      | 10/5/2021 9:26:00 PM |
| Ethylben | zene                    | ND           | 0.049  | mg/Kg       | 1      | 10/5/2021 9:26:00 PM |
| Xylenes, | Total                   | ND           | 0.098  | mg/Kg       | 1      | 10/5/2021 9:26:00 PM |
| Surr: 4  | 1-Bromofluorobenzene    | 88.3         | 70-130 | %Rec        | 1      | 10/5/2021 9:26:00 PM |
| EPA MET  | THOD 300.0: ANIONS      |              |        |             |        | Analyst: <b>VP</b>   |
| Chloride |                         | ND           | 60     | mg/Kg       | 20     | 10/7/2021 8:44:40 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 range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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#### Hall Environmental Analysis Laboratory, Inc.

Date Reported: 10/15/2021
Client Sample ID: SS32

| CLIENT: WSP                      |              | Client Sa | ample ID: | SS32   |                       |
|----------------------------------|--------------|-----------|-----------|--------|-----------------------|
| Project: MC COM 160              |              | Collect   | ion Date: | 9/28/2 | 021 3:19:00 PM        |
| Lab ID: 2109H25-032              | Matrix: SOIL | Recei     | ved Date: | 9/30/2 | 021 7:30:00 AM        |
| Analyses                         | Result       | PQL Qua   | l Units   | DF     | Date Analyzed         |
| EPA METHOD 8015M/D: DIESEL RANGE | ORGANICS     |           |           |        | Analyst: <b>SB</b>    |
| Diesel Range Organics (DRO)      | 240          | 10        | mg/Kg     | 1      | 10/5/2021 2:33:53 PM  |
| Motor Oil Range Organics (MRO)   | 230          | 50        | mg/Kg     | 1      | 10/5/2021 2:33:53 PM  |
| Surr: DNOP                       | 109          | 70-130    | %Rec      | 1      | 10/5/2021 2:33:53 PM  |
| EPA METHOD 8015D: GASOLINE RANG  | E            |           |           |        | Analyst: <b>mb</b>    |
| Gasoline Range Organics (GRO)    | ND           | 24        | mg/Kg     | 5      | 10/5/2021 10:25:00 PM |
| Surr: BFB                        | 111          | 70-130    | %Rec      | 5      | 10/5/2021 10:25:00 PM |
| EPA METHOD 8021B: VOLATILES      |              |           |           |        | Analyst: <b>mb</b>    |
| Benzene                          | ND           | 0.12      | mg/Kg     | 5      | 10/5/2021 10:25:00 PM |
| Toluene                          | ND           | 0.24      | mg/Kg     | 5      | 10/5/2021 10:25:00 PM |
| Ethylbenzene                     | ND           | 0.24      | mg/Kg     | 5      | 10/5/2021 10:25:00 PM |
| Xylenes, Total                   | ND           | 0.49      | mg/Kg     | 5      | 10/5/2021 10:25:00 PM |
| Surr: 4-Bromofluorobenzene       | 98.0         | 70-130    | %Rec      | 5      | 10/5/2021 10:25:00 PM |
| EPA METHOD 300.0: ANIONS         |              |           |           |        | Analyst: <b>VP</b>    |
| Chloride                         | 1600         | 60        | mg/Kg     | 20     | 10/7/2021 8:57:05 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
- D Sample Diluted Due to MatrixH Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Analytical Report
Lab Order 2109H25

# Hall Environmental Analysis Laboratory, Inc.

Date Reported: 10/15/2021
Client Sample ID: SS33
Collection Date: 0/28/2021 2:20:00 DM

| Project: MC COM 160            |               | Collec | ction Date:    | 9/28/2 | 021 3:20:00 PM        |
|--------------------------------|---------------|--------|----------------|--------|-----------------------|
| Lab ID: 2109H25-033            | Matrix: SOIL  | Rece   | eived Date:    | 9/30/2 | 021 7:30:00 AM        |
| Analyses                       | Result        | PQL Qu | PQL Qual Units |        | Date Analyzed         |
| EPA METHOD 8015M/D: DIESEL F   | ANGE ORGANICS |        |                |        | Analyst: <b>SB</b>    |
| Diesel Range Organics (DRO)    | ND            | 9.8    | mg/Kg          | 1      | 10/5/2021 3:45:33 PM  |
| Motor Oil Range Organics (MRO) | ND            | 49     | mg/Kg          | 1      | 10/5/2021 3:45:33 PM  |
| Surr: DNOP                     | 104           | 70-130 | %Rec           | 1      | 10/5/2021 3:45:33 PM  |
| EPA METHOD 8015D: GASOLINE     | RANGE         |        |                |        | Analyst: <b>mb</b>    |
| Gasoline Range Organics (GRO)  | ND            | 4.8    | mg/Kg          | 1      | 10/5/2021 10:44:00 PM |
| Surr: BFB                      | 102           | 70-130 | %Rec           | 1      | 10/5/2021 10:44:00 PM |
| EPA METHOD 8021B: VOLATILES    | ;             |        |                |        | Analyst: <b>mb</b>    |
| Benzene                        | ND            | 0.024  | mg/Kg          | 1      | 10/5/2021 10:44:00 PM |
| Toluene                        | ND            | 0.048  | mg/Kg          | 1      | 10/5/2021 10:44:00 PM |
| Ethylbenzene                   | ND            | 0.048  | mg/Kg          | 1      | 10/5/2021 10:44:00 PM |
| Xylenes, Total                 | ND            | 0.096  | mg/Kg          | 1      | 10/5/2021 10:44:00 PM |
| Surr: 4-Bromofluorobenzene     | 92.1          | 70-130 | %Rec           | 1      | 10/5/2021 10:44:00 PM |
| EPA METHOD 300.0: ANIONS       |               |        |                |        | Analyst: <b>JMT</b>   |
| Chloride                       | 2500          | 150    | mg/Kg          | 50     | 10/8/2021 7:43:10 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 range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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# QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc

|                                 | WO#: | 2109H25   |
|---------------------------------|------|-----------|
| ental Analysis Laboratory, Inc. |      | 15-Oct-21 |

| Client:               | WSP       |                                                                                                                                                                                                |
|-----------------------|-----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Project:              | MC COM    | 160                                                                                                                                                                                            |
| Sample ID:            | MB-63095  | SampType: mblk TestCode: EPA Method 300.0: Anions                                                                                                                                              |
| '<br>Client ID:       | PBS       | Batch ID: 63095 RunNo: 81853                                                                                                                                                                   |
| Prep Date:            | 10/6/2021 | Analysis Date: 10/6/2021 SeqNo: 2895821 Units: mg/Kg                                                                                                                                           |
| Analvte               |           | Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual                                                                                                                    |
| Chloride              |           | ND 1.5                                                                                                                                                                                         |
| Sample ID:            | LCS-63095 | SampType: Ics TestCode: EPA Method 300.0: Anions                                                                                                                                               |
| Client ID:            | LCSS      | Batch ID: 63095 RunNo: 81853                                                                                                                                                                   |
| Prep Date:            | 10/6/2021 | Analysis Date: 10/6/2021 SeqNo: 2895822 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 90 110                                                                                                                                                                     |
| Sample ID:            | MB-63116  | SampType: MBLK TestCode: EPA Method 300.0: Anions                                                                                                                                              |
| Client ID:            | PBS       | Batch ID: 63116 RunNo: 81856                                                                                                                                                                   |
| Prep Date:            | 10/7/2021 | Analysis Date: 10/7/2021 SeqNo: 2896811 Units: mg/Kg                                                                                                                                           |
| Analyte               |           | Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual                                                                                                                    |
| Chloride              |           | ND 1.5                                                                                                                                                                                         |
| Sample ID:            | LCS-63116 | SampType:     LCS     TestCode:     EPA Method 300.0:     Anions                                                                                                                               |
| Client ID:            | LCSS      | Batch ID: 63116 RunNo: 81856                                                                                                                                                                   |
| Prep Date:            | 10/7/2021 | Analysis Date: 10/7/2021 SeqNo: 2896812 Units: mg/Kg                                                                                                                                           |
| Analyte               |           | Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual                                                                                                                    |
| Chloride              |           | 14 1.5 15.00 0 95.9 90 110                                                                                                                                                                     |
| Sample ID:            | MB-63118  | SampType: MBLK TestCode: EPA Method 300.0: Anions                                                                                                                                              |
| Client ID:            | PBS       | Batch ID: 63118 RunNo: 81856                                                                                                                                                                   |
| Prep Date:            | 10/7/2021 | Analysis Date: 10/7/2021 SeqNo: 2896850 Units: mg/Kg                                                                                                                                           |
| Analyte               |           | Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual                                                                                                                    |
| Chloride              |           | ND 1.5                                                                                                                                                                                         |
| Sample ID:            | LCS-63118 | SampType:     LCS     TestCode:     EPA Method 300.0:     Anions                                                                                                                               |
| Client ID:            | LCSS      | Batch ID: 63118 RunNo: 81856                                                                                                                                                                   |
|                       | 40/7/0004 | Apolygia Data: 10/7/2024 SagNa: 2006951 Upita: malka                                                                                                                                           |
| Prep Date:            | 10///2021 |                                                                                                                                                                                                |
| Prep Date:<br>Analyte | 10/7/2021 | Analysis Date:         Torritory           Result         PQL         SPK value         SPK Ref Val         %REC         LowLimit         HighLimit         %RPD         RPDLimit         Qual |

#### **Qualifiers:**

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- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
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- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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WSP

**MC COM 160** 

**Client:** 

**Project:** 

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

| Sample ID: MB-63018                                                         | Samp           | Гуре: МВ | BLK       | TestCode: EPA Method 8015M/D: Diesel Range Organics |                       |           |                    |            |            |      |
|-----------------------------------------------------------------------------|----------------|----------|-----------|-----------------------------------------------------|-----------------------|-----------|--------------------|------------|------------|------|
| Client ID: PBS                                                              | Batc           | h ID: 63 | 018       | R                                                   | RunNo: 8 <sup>,</sup> | 1800      |                    |            |            |      |
| Prep Date: 10/4/2021                                                        | Analysis [     | Date: 10 | 0/5/2021  | S                                                   | eqNo: 2               | 896369    | 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                                                                  | 12             |          | 10.00     |                                                     | 118                   | 70        | 130                |            |            |      |
| Sample ID: LCS-63018                                                        | Samp           | Type: LC | s         | Tes                                                 | tCode: E              | PA Method | 8015M/D: Die       | esel Rang  | e Organics |      |
| Client ID: LCSS                                                             | Batc           | h ID: 63 | 018       | F                                                   | RunNo: <b>8</b> ′     | 1800      |                    |            |            |      |
| Prep Date: 10/4/2021                                                        | Analysis [     | Date: 10 | 0/5/2021  | S                                                   | eqNo: 2               | 896370    | Units: mg/K        | (g         |            |      |
| Analyte                                                                     | Result         | PQL      | SPK value | SPK Ref Val                                         | %REC                  | LowLimit  | HighLimit          | %RPD       | RPDLimit   | Qual |
| Diesel Range Organics (DRO)                                                 | 47             | 10       | 50.00     | 0                                                   | 94.8                  | 68.9      | 135                |            |            |      |
| Surr: DNOP                                                                  | 5.7            |          | 5.000     |                                                     | 113                   | 70        | 130                |            |            |      |
| Sample ID: 2109H25-030AMS                                                   | S Samp         | Гуре: М  | 6         | Tes                                                 | tCode: El             | PA Method | 8015M/D: Die       | esel Rang  | e Organics |      |
| Client ID: SS30                                                             | Batc           | h ID: 63 | 018       | F                                                   | RunNo: <b>8</b>       | 1800      |                    |            |            |      |
| Prep Date: 10/4/2021                                                        | Analysis [     | Date: 10 | )/5/2021  | S                                                   | eqNo: 2               | 896372    | Units: <b>mg/K</b> | (g         |            |      |
| Analyte                                                                     | Result         | PQL      | SPK value | SPK Ref Val                                         | %REC                  | LowLimit  | HighLimit          | %RPD       | RPDLimit   | Qual |
| Diesel Range Organics (DRO)                                                 | 370            | 9.7      | 48.31     | 297.3                                               | 147                   | 39.3      | 155                |            |            |      |
| Surr: DNOP                                                                  | 6.0            |          | 4.831     |                                                     | 124                   | 70        | 130                |            |            |      |
| Sample ID: 2109H25-030AMS                                                   | D Samp         | Гуре: М  | SD        | Tes                                                 | tCode: El             | PA Method | 8015M/D: Die       | esel Rang  | e Organics |      |
| Client ID: SS30                                                             | Batc           | h ID: 63 | 018       | F                                                   | RunNo: <b>8</b>       | 1800      |                    |            |            |      |
| Prep Date: 10/4/2021                                                        | Analysis [     | Date: 10 | 0/5/2021  | S                                                   | eqNo: 2               | 896373    | Units: mg/K        | (g         |            |      |
| Analyte                                                                     | Result         | PQL      | SPK value | SPK Ref Val                                         | %REC                  | LowLimit  | HighLimit          | %RPD       | RPDLimit   | Qual |
| Diesel Range Organics (DRO)                                                 | 330            | 10       | 49.80     | 297.3                                               | 61.5                  | 39.3      | 155                | 11.6       | 23.4       |      |
| Surr: DNOP                                                                  | 6.0            |          | 4.980     |                                                     | 120                   | 70        | 130                | 0          | 0          |      |
| Sample ID: MB-62999                                                         | Samp           | Type: ME | BLK       | Tes                                                 | tCode: El             | PA Method | 8015M/D: Die       | esel Range | e Organics |      |
| Client ID: PBS                                                              | Batc           | h ID: 62 | 999       | F                                                   | RunNo: <b>8</b> ′     | 1862      |                    |            |            |      |
| Prep Date: 10/4/2021                                                        | Analysis [     | Date: 10 | 0/7/2021  | S                                                   | eqNo: 2               | 897828    | Units: <b>mg/K</b> | g          |            |      |
| Analyte                                                                     | Result         | PQL      | SPK value | SPK Ref Val                                         | %REC                  | LowLimit  | HighLimit          | %RPD       | RPDLimit   | Qual |
|                                                                             |                |          |           |                                                     |                       |           |                    |            |            |      |
| Diesel Range Organics (DRO)                                                 | ND             | 10       |           |                                                     |                       |           |                    |            |            |      |
| Diesel Range Organics (DRO)<br>Motor Oil Range Organics (MRO)               | ND<br>ND       | 10<br>50 |           |                                                     |                       |           |                    |            |            |      |
| Diesel Range Organics (DRO)<br>Motor Oil Range Organics (MRO)<br>Surr: DNOP | ND<br>ND<br>13 | 10<br>50 | 10.00     |                                                     | 129                   | 70        | 130                |            |            |      |
| Diesel Range Organics (DRO)<br>Motor Oil Range Organics (MRO)<br>Surr: DNOP | ND<br>ND<br>13 | 10<br>50 | 10.00     |                                                     | 129                   | 70        | 130                |            |            |      |
| Diesel Range Organics (DRO)<br>Motor Oil Range Organics (MRO)<br>Surr: DNOP | ND<br>ND<br>13 | 10<br>50 | 10.00     |                                                     | 129                   | 70        | 130                |            |            |      |

#### **Qualifiers:**

- \* Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

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- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

2109H25

15-Oct-21

WO#:

WSP

**Client:** 

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

| Project:                                                                                                                                                                             | MC COM                                                                                                                      | 1 160                                                                                                                  |                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                           |                                                                                                                          |                                                                                                                             |                                                                                                                                  |                                                     |                                                  |                   |  |  |  |  |  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------|--------------------------------------------------|-------------------|--|--|--|--|--|
| Sample ID:                                                                                                                                                                           | : LCS-62999 SampType: LCS                                                                                                   |                                                                                                                        |                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | TestCode: EPA Method 8015M/D: Diesel Range Organics       |                                                                                                                          |                                                                                                                             |                                                                                                                                  |                                                     |                                                  |                   |  |  |  |  |  |
| Client ID:                                                                                                                                                                           | LCSS                                                                                                                        | Batch                                                                                                                  | ID: 62                                                                                                 | 999                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | RunNo: <b>81862</b>                                       |                                                                                                                          |                                                                                                                             |                                                                                                                                  |                                                     |                                                  |                   |  |  |  |  |  |
| Prep Date:                                                                                                                                                                           | 10/4/2021                                                                                                                   | Analysis Date: 10/7/2021                                                                                               |                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | SeqNo: 2897829                                            |                                                                                                                          |                                                                                                                             | Units: <b>mg/Kg</b>                                                                                                              |                                                     |                                                  |                   |  |  |  |  |  |
| Analyte                                                                                                                                                                              |                                                                                                                             | Result                                                                                                                 | PQL                                                                                                    | SPK value                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | SPK Ref Val                                               | %REC                                                                                                                     | LowLimit                                                                                                                    | HighLimit                                                                                                                        | %RPD                                                | RPDLimit                                         | Qual              |  |  |  |  |  |
| Diesel Range C                                                                                                                                                                       | Drganics (DRO)                                                                                                              | 57                                                                                                                     | 10                                                                                                     | 50.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 0                                                         | 114                                                                                                                      | 68.9                                                                                                                        | 135                                                                                                                              |                                                     |                                                  |                   |  |  |  |  |  |
| Surr: DNOP                                                                                                                                                                           |                                                                                                                             | 6.7                                                                                                                    |                                                                                                        | 5.000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                           | 134                                                                                                                      | 70                                                                                                                          | 130                                                                                                                              |                                                     |                                                  | S                 |  |  |  |  |  |
| Sample ID:                                                                                                                                                                           | MB-63004                                                                                                                    | SampType: <b>MBLK</b>                                                                                                  |                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | TestCode: EPA Method 8015M/D: Diesel Range Organics       |                                                                                                                          |                                                                                                                             |                                                                                                                                  |                                                     |                                                  |                   |  |  |  |  |  |
| Client ID:                                                                                                                                                                           | PBS                                                                                                                         | Batch                                                                                                                  | ID: 63                                                                                                 | 004                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | RunNo: 81862                                              |                                                                                                                          |                                                                                                                             |                                                                                                                                  |                                                     |                                                  |                   |  |  |  |  |  |
| Prep Date:                                                                                                                                                                           | 10/4/2021                                                                                                                   | Analysis Date: 10/9/2021                                                                                               |                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | SeqNo: 2900962                                            |                                                                                                                          |                                                                                                                             | Units: mg/Kg                                                                                                                     |                                                     |                                                  |                   |  |  |  |  |  |
| Analyte                                                                                                                                                                              |                                                                                                                             | Result                                                                                                                 | PQL                                                                                                    | SPK value                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | SPK Ref Val                                               | %REC                                                                                                                     | LowLimit                                                                                                                    | HighLimit                                                                                                                        | %RPD                                                | RPDLimit                                         | Qual              |  |  |  |  |  |
| Diesel Range C                                                                                                                                                                       | Organics (DRO)                                                                                                              | ND                                                                                                                     | 10                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                           |                                                                                                                          |                                                                                                                             |                                                                                                                                  |                                                     |                                                  |                   |  |  |  |  |  |
| Motor Oil Rang                                                                                                                                                                       | e Organics (MRO)                                                                                                            | ND                                                                                                                     | 50                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                           |                                                                                                                          |                                                                                                                             |                                                                                                                                  |                                                     |                                                  |                   |  |  |  |  |  |
| Surr: DNOP                                                                                                                                                                           |                                                                                                                             | 12                                                                                                                     |                                                                                                        | 10.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                           | 123                                                                                                                      | 70                                                                                                                          | 130                                                                                                                              |                                                     |                                                  |                   |  |  |  |  |  |
|                                                                                                                                                                                      |                                                                                                                             |                                                                                                                        |                                                                                                        | Sample ID: LCS-63004 SampType: LCS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                           |                                                                                                                          |                                                                                                                             |                                                                                                                                  | TestCode: EPA Method 8015M/D: Diesel Range Organics |                                                  |                   |  |  |  |  |  |
| Sample ID:                                                                                                                                                                           | LCS-63004                                                                                                                   | SampT                                                                                                                  | ype: LC                                                                                                | s                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Tes                                                       | tCode: E                                                                                                                 | PA Method                                                                                                                   | 8015M/D: Die                                                                                                                     | esel Range                                          | e Organics                                       |                   |  |  |  |  |  |
| Sample ID:<br>Client ID:                                                                                                                                                             | LCS-63004<br>LCSS                                                                                                           | SampT<br>Batch                                                                                                         | ype: LC<br>1 ID: 63                                                                                    | :S<br>004                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Tes<br>F                                                  | tCode: El<br>RunNo: 8                                                                                                    | PA Method<br>1862                                                                                                           | 8015M/D: Die                                                                                                                     | esel Range                                          | e Organics                                       |                   |  |  |  |  |  |
| Sample ID:<br>Client ID:<br>Prep Date:                                                                                                                                               | LCS-63004<br>LCSS<br>10/4/2021                                                                                              | SampT<br>Batch<br>Analysis D                                                                                           | ype: LC<br>1 ID: 63<br>ate: 10                                                                         | :S<br>004<br>D/9/2021                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Tes<br>R<br>S                                             | tCode: <b>E</b> l<br>RunNo: <b>8</b><br>SeqNo: <b>2</b>                                                                  | PA Method<br>1862<br>900963                                                                                                 | 8015M/D: Die<br>Units: mg/K                                                                                                      | esel Range<br>(g                                    | e Organics                                       |                   |  |  |  |  |  |
| Sample ID:<br>Client ID:<br>Prep Date:<br>Analyte                                                                                                                                    | LCS-63004<br>LCSS<br>10/4/2021                                                                                              | SampT<br>Batch<br>Analysis D<br>Result                                                                                 | ype: <b>LC</b><br>1 ID: <b>63</b><br>ate: <b>1(</b><br>PQL                                             | :S<br>004<br>0/9/2021<br>SPK value                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Tes<br>F<br>S<br>SPK Ref Val                              | tCode: E<br>RunNo: 8<br>SeqNo: 2<br>%REC                                                                                 | PA Method<br>1862<br>900963<br>LowLimit                                                                                     | 8015M/D: Did<br>Units: mg/K<br>HighLimit                                                                                         | esel Rango<br>Gg<br>%RPD                            | e Organics<br>RPDLimit                           | Qual              |  |  |  |  |  |
| Sample ID:<br>Client ID:<br>Prep Date:<br>Analyte<br>Diesel Range C                                                                                                                  | LCS-63004<br>LCSS<br>10/4/2021<br>Drganics (DRO)                                                                            | SampT<br>Batch<br>Analysis D<br>Result<br>53                                                                           | ype: LC<br>1D: 63<br>ate: 10<br>PQL<br>10                                                              | S<br>004<br>0/9/2021<br>SPK value<br>50.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Tesi<br>F<br>S<br>SPK Ref Val<br>0                        | tCode: El<br>RunNo: 8<br>SeqNo: 2<br>%REC<br>106                                                                         | PA Method<br>1862<br>900963<br>LowLimit<br>68.9                                                                             | 8015M/D: Die<br>Units: mg/K<br>HighLimit<br>135                                                                                  | esel Rango<br>Sg<br>%RPD                            | e Organics<br>RPDLimit                           | Qual              |  |  |  |  |  |
| Sample ID:<br>Client ID:<br>Prep Date:<br>Analyte<br>Diesel Range C<br>Surr: DNOP                                                                                                    | LCS-63004<br>LCSS<br>10/4/2021<br>Drganics (DRO)                                                                            | SampT<br>Batch<br>Analysis D<br>Result<br>53<br>6.2                                                                    | ype: <b>LC</b><br>n ID: <b>63</b><br>ate: <b>10</b><br><u>PQL</u><br>10                                | <b>S</b><br>004<br>0/9/2021<br>SPK value<br>50.00<br>5.000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Tesi<br>F<br>SPK Ref Val<br>0                             | tCode: El<br>RunNo: 8<br>SeqNo: 2<br>%REC<br>106<br>123                                                                  | PA Method<br>1862<br>900963<br>LowLimit<br>68.9<br>70                                                                       | 8015M/D: Die<br>Units: mg/K<br>HighLimit<br>135<br>130                                                                           | esel Rango<br>29<br>%RPD                            | e Organics                                       | Qual              |  |  |  |  |  |
| Sample ID:<br>Client ID:<br>Prep Date:<br>Analyte<br>Diesel Range C<br>Surr: DNOP<br>Sample ID:                                                                                      | LCS-63004<br>LCSS<br>10/4/2021<br>Drganics (DRO)<br>2109H25-010AMS                                                          | SampT<br>Batch<br>Analysis D<br>Result<br>53<br>6.2<br>SampT                                                           | ype: LC<br>a ID: 63<br>ate: 10<br>PQL<br>10<br>ype: MS                                                 | S<br>004<br>0/9/2021<br>SPK value<br>50.00<br>5.000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Tesi<br>R<br>SPK Ref Val<br>0<br>Tesi                     | tCode: <b>E</b><br>RunNo: <b>8</b><br>SeqNo: <b>2</b><br>%REC<br>106<br>123<br>tCode: <b>E</b>                           | PA Method<br>1862<br>900963<br>LowLimit<br>68.9<br>70<br>PA Method                                                          | 8015M/D: Die<br>Units: mg/K<br>HighLimit<br>135<br>130<br>8015M/D: Die                                                           | ésel Rango<br>(g<br>%RPD<br>esel Rango              | e Organics                                       | Qual              |  |  |  |  |  |
| Sample ID:<br>Client ID:<br>Prep Date:<br>Analyte<br>Diesel Range C<br>Surr: DNOP<br>Sample ID:<br>Client ID:                                                                        | LCS-63004<br>LCSS<br>10/4/2021<br>Drganics (DRO)<br>2109H25-010AMS<br>SS10                                                  | SampT<br>Batch<br>Analysis D<br>Result<br>53<br>6.2<br>SampT<br>Batch                                                  | ype: LC<br>1 ID: 63<br>ate: 1(<br>PQL<br>10<br>ype: MS<br>1 ID: 63                                     | 5004<br>0/9/2021<br>SPK value<br>50.00<br>5.000<br>5.000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Tesi<br>R<br>SPK Ref Val<br>0<br>Tesi<br>R                | tCode: <b>E</b><br>RunNo: <b>8</b><br>SeqNo: <b>2</b><br><u>%REC</u><br>106<br>123<br>tCode: <b>E</b><br>RunNo: <b>8</b> | PA Method<br>1862<br>900963<br>LowLimit<br>68.9<br>70<br>PA Method<br>1862                                                  | 8015M/D: Die<br>Units: mg/K<br>HighLimit<br>135<br>130<br>8015M/D: Die                                                           | esel Rango<br>(g<br>%RPD<br>esel Rango              | e Organics<br>RPDLimit                           | Qual              |  |  |  |  |  |
| Sample ID:<br>Client ID:<br>Prep Date:<br>Analyte<br>Diesel Range C<br>Surr: DNOP<br>Sample ID:<br>Client ID:<br>Prep Date:                                                          | LCS-63004<br>LCSS<br>10/4/2021<br>Drganics (DRO)<br>2109H25-010AMS<br>SS10<br>10/4/2021                                     | SampT<br>Batch<br>Analysis D<br>Result<br>53<br>6.2<br>SampT<br>Batch<br>Analysis D                                    | ype: LC<br>a ID: 63<br>ate: 1(<br>PQL<br>10<br>ype: MS<br>a ID: 63<br>ate: 1(                          | S<br>004<br>0/9/2021<br>SPK value<br>50.00<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Tesi<br>R<br>SPK Ref Val<br>0<br>Tesi<br>S                | tCode: E<br>RunNo: 8<br>SeqNo: 2<br>%REC<br>106<br>123<br>tCode: E<br>RunNo: 8<br>SeqNo: 2                               | PA Method<br>1862<br>900963<br>LowLimit<br>68.9<br>70<br>PA Method<br>1862<br>900965                                        | 8015M/D: Die<br>Units: mg/K<br>HighLimit<br>135<br>130<br>8015M/D: Die<br>Units: mg/K                                            | esel Rango<br>(g<br>%RPD<br>esel Rango              | e Organics<br>RPDLimit                           | Qual              |  |  |  |  |  |
| Sample ID:<br>Client ID:<br>Prep Date:<br>Analyte<br>Diesel Range C<br>Surr: DNOP<br>Sample ID:<br>Client ID:<br>Prep Date:<br>Analyte                                               | LCS-63004<br>LCSS<br>10/4/2021<br>Drganics (DRO)<br>2109H25-010AMS<br>SS10<br>10/4/2021                                     | SampT<br>Batch<br>Analysis D<br>Result<br>53<br>6.2<br>SampT<br>Batch<br>Analysis D<br>Result                          | ype: LC<br>1D: 63<br>ate: 1(<br>PQL<br>10<br>ype: MS<br>1D: 63<br>ate: 1(<br>PQL                       | 5004<br>59/9/2021<br>59K value<br>50.00<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.0000<br>5.0000<br>5.0000<br>5.000000<br>5.0000<br>5.0000<br>5.0000000<br>5.00000000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Test<br>R<br>SPK Ref Val<br>0<br>Test<br>R<br>SPK Ref Val | tCode: E<br>RunNo: 8<br>SeqNo: 2<br>%REC<br>106<br>123<br>tCode: E<br>RunNo: 8<br>SeqNo: 2<br>%REC                       | PA Method<br>1862<br>900963<br>LowLimit<br>68.9<br>70<br>PA Method<br>1862<br>900965<br>LowLimit                            | 8015M/D: Die<br>Units: mg/K<br>HighLimit<br>135<br>130<br>8015M/D: Die<br>Units: mg/K<br>HighLimit                               | esel Rango<br>%RPD<br>esel Rango<br>%RPD            | e Organics<br>RPDLimit                           | Qual              |  |  |  |  |  |
| Sample ID:<br>Client ID:<br>Prep Date:<br>Analyte<br>Diesel Range C<br>Surr: DNOP<br>Sample ID:<br>Client ID:<br>Prep Date:<br>Analyte<br>Diesel Range C                             | LCS-63004<br>LCSS<br>10/4/2021<br>Drganics (DRO)<br>2109H25-010AMS<br>SS10<br>10/4/2021                                     | SampT<br>Batch<br>Analysis D<br>Result<br>53<br>6.2<br>SampT<br>Batch<br>Analysis D<br>Result<br>130                   | ype: LC<br>all: 63<br>ate: 1(<br>PQL<br>10<br>ype: MS<br>all: 63<br>ate: 1(<br>PQL<br>9.5              | S<br>004<br>0/9/2021<br>SPK value<br>50.00<br>5.000<br>5.000<br>5.000<br>5.000<br>SPK value<br>47.48                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Tesi<br>SPK Ref Val<br>0<br>Tesi<br>SPK Ref Val<br>154.1  | tCode: E<br>RunNo: 8<br>SeqNo: 2<br>%REC<br>106<br>123<br>tCode: E<br>RunNo: 8<br>SeqNo: 2<br>%REC<br>-47.9              | PA Method<br>1862<br>900963<br>LowLimit<br>68.9<br>70<br>PA Method<br>1862<br>900965<br>LowLimit<br>39.3                    | 8015M/D: Die<br>Units: mg/K<br>HighLimit<br>135<br>130<br>8015M/D: Die<br>Units: mg/K<br>HighLimit<br>155                        | esel Range<br>%RPD<br>esel Range<br>%RPD            | e Organics RPDLimit e Organics RPDLimit          | Qual<br>Qual<br>S |  |  |  |  |  |
| Sample ID:<br>Client ID:<br>Prep Date:<br>Analyte<br>Diesel Range C<br>Surr: DNOP<br>Sample ID:<br>Client ID:<br>Prep Date:<br>Analyte<br>Diesel Range C<br>Surr: DNOP               | LCS-63004<br>LCSS<br>10/4/2021<br>Drganics (DRO)<br>2109H25-010AMS<br>SS10<br>10/4/2021<br>Drganics (DRO)                   | SampT<br>Batch<br>Analysis D<br>Result<br>53<br>6.2<br>SampT<br>Batch<br>Analysis D<br>Result<br>130<br>5.2            | ype: LC<br>1D: 63<br>ate: 10<br>PQL<br>10<br>ype: MS<br>1D: 63<br>ate: 10<br>PQL<br>9.5                | S<br>004<br>0/9/2021<br>SPK value<br>50.00<br>5.000<br>3<br>004<br>0/9/2021<br>SPK value<br>47.48<br>4.748                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Tesi<br>SPK Ref Val<br>0<br>Tesi<br>SPK Ref Val<br>154.1  | tCode: El<br>RunNo: 8<br>SeqNo: 2<br>%REC<br>106<br>123<br>tCode: El<br>RunNo: 8<br>SeqNo: 2<br>%REC<br>-47.9<br>109     | PA Method<br>1862<br>900963<br>LowLimit<br>68.9<br>70<br>PA Method<br>1862<br>900965<br>LowLimit<br>39.3<br>70              | 8015M/D: Die<br>Units: mg/K<br>HighLimit<br>135<br>130<br>8015M/D: Die<br>Units: mg/K<br>HighLimit<br>155<br>130                 | esel Rango<br>%RPD<br>esel Rango<br>%RPD            | e Organics<br>RPDLimit<br>e Organics<br>RPDLimit | Qual<br>Qual<br>S |  |  |  |  |  |
| Sample ID:<br>Client ID:<br>Prep Date:<br>Analyte<br>Diesel Range C<br>Surr: DNOP<br>Sample ID:<br>Client ID:<br>Prep Date:<br>Analyte<br>Diesel Range C<br>Surr: DNOP<br>Sample ID: | LCS-63004<br>LCSS<br>10/4/2021<br>Drganics (DRO)<br>2109H25-010AMS<br>SS10<br>10/4/2021<br>Drganics (DRO)<br>2109H25-010AMS | SampT<br>Batch<br>Analysis D<br>Result<br>53<br>6.2<br>SampT<br>Batch<br>Analysis D<br>Result<br>130<br>5.2<br>D SampT | ype: LC<br>a ID: 63<br>ate: 10<br>PQL<br>10<br>ype: MS<br>a ID: 63<br>ate: 10<br>PQL<br>9.5<br>ype: MS | S<br>004<br>0/9/2021<br>SPK value<br>50.00<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.000<br>5.0000<br>5.0000<br>5.0000<br>5.0000<br>5.0000<br>5.0000<br>5.0000<br>5.0000<br>5.0000<br>5.0000<br>5.0000<br>5.0000<br>5.0000<br>5.0000<br>5.0000<br>5.0000<br>5.0000<br>5.0000<br>5.0000<br>5.0000<br>5.0000<br>5.00000<br>5.00000<br>5.000000000<br>5.0000000000 | Tesi<br>SPK Ref Val<br>0<br>Tesi<br>SPK Ref Val<br>154.1  | tCode: E<br>RunNo: 8<br>SeqNo: 2<br>%REC<br>106<br>123<br>tCode: E<br>RunNo: 8<br>SeqNo: 2<br>%REC<br>-47.9<br>109       | PA Method<br>1862<br>900963<br>LowLimit<br>68.9<br>70<br>PA Method<br>1862<br>900965<br>LowLimit<br>39.3<br>70<br>PA Method | 8015M/D: Die<br>Units: mg/K<br>HighLimit<br>135<br>130<br>8015M/D: Die<br>Units: mg/K<br>HighLimit<br>155<br>130<br>8015M/D: Die | esel Range<br>%RPD<br>esel Range<br>%RPD            | e Organics RPDLimit Companies RPDLimit RPDLimit  | Qual<br>Qual<br>S |  |  |  |  |  |

| Prep Date: 10/4/2021        | Analysis Date: 10/9/2021 |     |           | SeqNo: 2900966 |      |          | Units: mg/K |      |          |      |  |
|-----------------------------|--------------------------|-----|-----------|----------------|------|----------|-------------|------|----------|------|--|
| Analyte                     | Result                   | PQL | SPK value | SPK Ref Val    | %REC | LowLimit | HighLimit   | %RPD | RPDLimit | Qual |  |
| Diesel Range Organics (DRO) | 180                      | 9.5 | 47.44     | 154.1          | 61.0 | 39.3     | 155         | 32.9 | 23.4     | R    |  |
| Surr: DNOP                  | 5.5                      |     | 4.744     |                | 116  | 70       | 130         | 0    | 0        |      |  |

#### **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 PQL
- s % Recovery outside of range due to dilution or matrix

- в Analyte detected in the associated Method Blank
- Е Value above quantitation range
- Analyte detected below quantitation limits J
- Р Sample pH Not In Range
- RL Reporting Limit

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#### WO#: 2109H25 15-Oct-21
#### C H

| QC SUM<br>Hall Envi | IMARY<br>ronmenta | REPO<br>al Anal                                          | ORT<br>ysis I   | Laborat   | ory, Inc.    |                                            |           |                    |                                   | WO#:     | 2109H25<br>15-Oct-21 |  |  |  |  |
|---------------------|-------------------|----------------------------------------------------------|-----------------|-----------|--------------|--------------------------------------------|-----------|--------------------|-----------------------------------|----------|----------------------|--|--|--|--|
| Client:<br>Project: | WSP<br>MC COM     | 1 160                                                    |                 |           |              |                                            |           |                    |                                   |          |                      |  |  |  |  |
| Sample ID: mb       | -62983            | Samp                                                     | Гуре: М         | BLK       | Tes          | tCode: El                                  | PA Method | 8015D: Gase        | oline Rang                        | e        |                      |  |  |  |  |
| Client ID: PB       | S                 | Batc                                                     | h ID: 62        | 983       | F            | RunNo: <b>8</b>                            | 1809      |                    |                                   |          |                      |  |  |  |  |
| Prep Date: 10       | /1/2021           | Analysis [                                               | Date: 1         | 0/5/2021  | 5            | SeqNo: 2                                   |           |                    |                                   |          |                      |  |  |  |  |
| Analyte             |                   | Result                                                   | PQL             | SPK value | SPK Ref Val  | %REC                                       | LowLimit  | HighLimit          | %RPD                              | RPDLimit | Qual                 |  |  |  |  |
| Gasoline Range Org  | anics (GRO)       | ND                                                       | 5.0             |           |              |                                            |           |                    |                                   |          |                      |  |  |  |  |
| Surr: BFB           |                   | 1100                                                     |                 | 1000      |              | 107                                        | 70        | 130                |                                   |          |                      |  |  |  |  |
| Sample ID: mb       | -63008            | Samp                                                     | Гуре: М         | BLK       | Tes          | TestCode: EPA Method 8015D: Gasoline Range |           |                    |                                   |          |                      |  |  |  |  |
| Client ID: PB       | S                 | Batc                                                     | h ID: 63        | 8008      | F            | RunNo: <b>8</b>                            |           |                    |                                   |          |                      |  |  |  |  |
| Prep Date: 10       | /4/2021           | Analysis [                                               | Date: 1         | 0/5/2021  | S            | SeqNo: 2                                   | 893760    | Units: <b>mg/l</b> | ۲g                                |          |                      |  |  |  |  |
| Analyte             |                   | Result                                                   | PQL             | SPK value | SPK Ref Val  | %REC                                       | LowLimit  | HighLimit          | %RPD                              | RPDLimit | Qual                 |  |  |  |  |
| Gasoline Range Org  | ganics (GRO)      | ND                                                       | 5.0             |           |              |                                            |           |                    |                                   |          |                      |  |  |  |  |
| Surr: BFB           |                   | 1000                                                     |                 | 1000      |              | 103                                        | 70        | 130                |                                   |          |                      |  |  |  |  |
| Sample ID: Ics      | -62983            | SampType: LCS TestCode: EPA Method 8015D: Gasoline Range |                 |           |              |                                            |           |                    |                                   |          |                      |  |  |  |  |
| Client ID: LCS      | SS                | Batc                                                     | h ID: 62        | 983       | F            |                                            |           |                    |                                   |          |                      |  |  |  |  |
| Prep Date: 10       | /1/2021           | Analysis [                                               | Date: 1         | 0/5/2021  | S            | SeqNo: 2                                   | 893761    | Units: <b>mg/l</b> | ٨g                                |          |                      |  |  |  |  |
| Analyte             |                   | Result                                                   | PQL             | SPK value | SPK Ref Val  | %REC                                       | LowLimit  | HighLimit          | Qual                              |          |                      |  |  |  |  |
| Gasoline Range Org  | ganics (GRO)      | 29                                                       | 5.0             | 25.00     | 0            | 116                                        | 78.6      | 131                |                                   |          |                      |  |  |  |  |
| Surr: BFB           |                   | 1200                                                     |                 | 1000      |              | 119                                        | 70        | 130                |                                   |          |                      |  |  |  |  |
| Sample ID: Ics      | -63008            | Samp                                                     | Гуре: <b>L(</b> | cs        | Tes          | tCode: El                                  | PA Method | 8015D: Gase        | oline Rang                        | e        |                      |  |  |  |  |
| Client ID: LCS      | SS                | Batc                                                     | h ID: 63        | 8008      | F            | RunNo: <b>8</b> '                          | 1809      |                    |                                   |          |                      |  |  |  |  |
| Prep Date: 10       | /4/2021           | Analysis [                                               | Date: 1         | 0/5/2021  | S            | SeqNo: 2                                   | 893762    | Units: <b>mg/l</b> | <g< td=""><td></td><td></td></g<> |          |                      |  |  |  |  |
| Analyte             |                   | Result                                                   | PQL             | SPK value | SPK Ref Val  | %REC                                       | LowLimit  | HighLimit          | %RPD                              | RPDLimit | Qual                 |  |  |  |  |
| Gasoline Range Org  | ganics (GRO)      | 31                                                       | 5.0             | 25.00     | 0            | 123                                        | 78.6      | 131                |                                   |          |                      |  |  |  |  |
| Surr: BFB           |                   | 1200                                                     |                 | 1000      |              | 115                                        | 70        | 130                |                                   |          |                      |  |  |  |  |
| Sample ID: 210      | 9H25-010ams       | Samp                                                     | Гуре: М         | S         | Tes          |                                            |           |                    |                                   |          |                      |  |  |  |  |
| Client ID: SS       | 10                | Batc                                                     | h ID: 62        | 983       | RunNo: 81809 |                                            |           |                    |                                   |          |                      |  |  |  |  |
| Prep Date: 10       | /1/2021           | Analysis [                                               | Date: 1         | 0/5/2021  | S            | SeqNo: 2                                   | 893763    | Units: <b>mg/l</b> | ٨g                                |          |                      |  |  |  |  |
| Analyte             |                   | Result                                                   | PQL             | SPK value | SPK Ref Val  | %REC                                       | LowLimit  | HighLimit          | %RPD                              | RPDLimit | Qual                 |  |  |  |  |
| Gasoline Range Org  | anics (GRO)       | 35                                                       | 24              | 23.97     | 0            | 146                                        | 61.3      | 114                |                                   |          | S                    |  |  |  |  |
| Surr BEB            |                   | 5700                                                     |                 | 4704      |              | 110                                        | 70        | 130                |                                   |          |                      |  |  |  |  |

| Sull. DFD             | 5700                           | 4794      |                                                        | 119             | 70       | 130         |            |   |  |  |  |
|-----------------------|--------------------------------|-----------|--------------------------------------------------------|-----------------|----------|-------------|------------|---|--|--|--|
| Sample ID: 2109H25-03 | <b>0ams</b> SampType: <b>M</b> | S         | Test                                                   | Code: EP        | A Method | 8015D: Gaso | line Range | e |  |  |  |
| Client ID: SS30       | Batch ID: 63                   | 3008      | R                                                      | unNo: <b>81</b> | 809      |             |            |   |  |  |  |
| Prep Date: 10/4/2021  | Analysis Date: 1               | 0/5/2021  | S                                                      | eqNo: 28        | 93764    | Units: mg/K | g          |   |  |  |  |
| Analyte               | Result PQL                     | SPK value | SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual |                 |          |             |            |   |  |  |  |
|                       |                                |           |                                                        |                 |          |             |            |   |  |  |  |

**Qualifiers:** 

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

PQL Practical Quanitative Limit

s % Recovery outside of range due to dilution or matrix

- в Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

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Sample ID: 2109H25-030ams

**Client:** 

**Project:** 

#### **QC SUMMARY REPORT** Hall Environmental

| nmental  | Analysis Laborat    | tory, Inc.                                 | 15-Oct-21 |
|----------|---------------------|--------------------------------------------|-----------|
| WSP      |                     |                                            |           |
| MC COM   | 160                 |                                            | 15-Oct-21 |
| 5-030ams | SampType: <b>MS</b> | TestCode: EPA Method 8015D: Gasoline Range |           |

| Client ID: SS30               | Batch I     | D: 63          | 008       | F                   | RunNo: 8          | 1809      |                     |           |          |      |  |  |  |  |
|-------------------------------|-------------|----------------|-----------|---------------------|-------------------|-----------|---------------------|-----------|----------|------|--|--|--|--|
| Prep Date: 10/4/2021          | Analysis Da | te: <b>1</b> 0 | )/5/2021  | S                   | SeqNo: 2          | 893764    | Units: <b>mg/Kg</b> |           |          |      |  |  |  |  |
| Analyte                       | Result      | PQL            | SPK value | SPK Ref Val         | %REC              | LowLimit  | HighLimit           | %RPD      | RPDLimit | Qual |  |  |  |  |
| Gasoline Range Organics (GRO) | 40          | 24             | 24.08     | 0                   | 165               | 61.3      | 114                 |           |          | S    |  |  |  |  |
| Surr: BFB                     | 5600        |                | 4817      |                     | 116               | 70        | 130                 |           |          |      |  |  |  |  |
| Sample ID: 2109H25-010ams     | d SampTy    | pe: MS         | SD        | Tes                 | tCode: E          | PA Method | 8015D: Gasc         | line Rang | e        |      |  |  |  |  |
| Client ID: SS10               | Batch I     | D: 62          | 983       | F                   | RunNo: <b>8</b> ′ | 1809      |                     |           |          |      |  |  |  |  |
| Prep Date: 10/1/2021          | Analysis Da | te: <b>10</b>  | 0/5/2021  | S                   | SeqNo: 2          | 893765    | Units: <b>mg/K</b>  |           |          |      |  |  |  |  |
| Analyte                       | Result      | PQL            | SPK value | SPK Ref Val         | %REC              | LowLimit  | HighLimit           | %RPD      | RPDLimit | Qual |  |  |  |  |
| Gasoline Range Organics (GRO) | 32          | 24             | 23.85     | 0                   | 132               | 61.3      | 114                 | 10.5      | 20       | S    |  |  |  |  |
| Surr: BFB                     | 5600        |                | 4771      |                     | 117               | 70        | 130                 | 0         | 0        |      |  |  |  |  |
| Sample ID: 2109H25-030ams     | d SampTy    | pe: MS         | SD        | Tes                 | tCode: E          | PA Method | 8015D: Gasc         | line Rang | e        |      |  |  |  |  |
| Client ID: SS30               | Batch I     | D: 63          | 800       | RunNo: <b>81809</b> |                   |           |                     |           |          |      |  |  |  |  |
| Prep Date: 10/4/2021          | Analysis Da | te: 10         | 0/5/2021  | S                   | SeqNo: 2          | 893766    | Units: mg/Kg        |           |          |      |  |  |  |  |
| Analyte                       | Result      | PQL            | SPK value | SPK Ref Val         | %REC              | LowLimit  | HighLimit           | %RPD      | RPDLimit | Qual |  |  |  |  |
| Gasoline Range Organics (GRO) | 41          | 24             | 24.04     | 0                   | 172               | 61.3      | 114                 | 3.61      | 20       | S    |  |  |  |  |
| Surr: BFB                     | 5500        |                | 4808      |                     | 114               | 70        | 130                 | 0         | 0        |      |  |  |  |  |
| Sample ID: Ics-62982          | SampTy      | pe: LC         | s         | Tes                 | tCode: El         | PA Method | 8015D: Gaso         | line Rang | e        |      |  |  |  |  |
| Client ID: LCSS               | Batch I     | D: 62          | 982       | F                   | RunNo: <b>8</b> ′ | 1821      |                     |           |          |      |  |  |  |  |
| Prep Date: 10/1/2021          | Analysis Da | te: 10         | 0/5/2021  | S                   | SeqNo: 2          | 894442    | Units: <b>mg/K</b>  | g         |          |      |  |  |  |  |
| Analyte                       | Result      | PQL            | SPK value | SPK Ref Val         | %REC              | LowLimit  | HighLimit           | %RPD      | RPDLimit | Qual |  |  |  |  |
| Gasoline Range Organics (GRO) | 25          | 5.0            | 25.00     | 0                   | 101               | 78.6      | 131                 |           |          |      |  |  |  |  |
| Surr: BFB                     | 1000        |                | 1000      |                     | 104               | 70        | 130                 |           |          |      |  |  |  |  |
| Sample ID: mb-62982           | SampTy      | pe: ME         | BLK       | Tes                 | tCode: El         | PA Method | 8015D: Gaso         | line Rang | e        |      |  |  |  |  |
| Client ID: PBS                | Batch I     | D: 62          | 982       | F                   | RunNo: <b>8</b> ′ | 1821      |                     |           |          |      |  |  |  |  |
| Prep Date: 10/1/2021          | Analysis Da | te: 10         | )/5/2021  | S                   | SeqNo: 2          | 894443    | 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                     | 960         |                | 1000      |                     | 96.2              | 70        | 130                 |           |          |      |  |  |  |  |
|                               |             |                |           |                     |                   |           |                     |           |          |      |  |  |  |  |

**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
- $\mathbf{S}$ % Recovery outside of range due to dilution or matrix

- в Analyte detected in the associated Method Blank
- Value above quantitation range Е
- J Analyte detected below quantitation limits
- Sample pH Not In Range Р
- RL Reporting Limit

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WO#: 2109H25 21

#### **QC SUMMARY REPORT** Hall Env

|  | vironmental Analysis Laboratory. Inc. |
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| Client:        | WSP             | 1.1.0      |                 |           |             |           |           |                    |       |          |      |
|----------------|-----------------|------------|-----------------|-----------|-------------|-----------|-----------|--------------------|-------|----------|------|
| Project:       | MC COM          | M 160      |                 |           |             |           |           |                    |       |          |      |
| Sample ID:     | mb-62983        | SampT      | Гуре: МЕ        | BLK       | Tes         | tCode: El | PA Method | 8021B: Vola        | tiles |          |      |
| Client ID:     | PBS             | Batcl      | h ID: 62        | 983       | F           | RunNo: 8  | 1809      |                    |       |          |      |
| Prep Date:     | 10/1/2021       | Analysis [ | Date: 10        | 0/5/2021  | 5           | SeqNo: 2  | 893811    | Units: mg/k        | ٢g    |          |      |
| 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-Brom   | nofluorobenzene | 0.93       |                 | 1.000     |             | 92.7      | 70        | 130                |       |          |      |
| Sample ID:     | mb-63008        | SampT      | Гуре: МЕ        | BLK       | Tes         | tCode: El | tiles     |                    |       |          |      |
| Client ID:     | PBS             | Batcl      | h ID: 63        | 800       | F           | RunNo: 8  | 1809      |                    |       |          |      |
| Prep Date:     | 10/4/2021       | Analysis E | Date: 10        | )/5/2021  | S           | BeqNo: 2  | 893812    | Units: mg/k        | ٢g    |          |      |
| 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-Brom   | nofluorobenzene | 0.93       |                 | 1.000     |             | 92.7      | 70        | 130                |       |          |      |
| Sample ID:     | lcs-62983       | SampT      | Гуре: <b>LC</b> | s         | Tes         | tCode: El | PA Method | 8021B: Vola        | tiles |          |      |
| Client ID:     | LCSS            | Batcl      | h ID: 62        | 983       | F           | RunNo: 8  | 1809      |                    |       |          |      |
| Prep Date:     | 10/1/2021       | Analysis E | Date: 10        | 0/5/2021  | 8           | SeqNo: 2  | 893813    | Units: mg/k        | ٢g    |          |      |
| Analyte        |                 | Result     | PQL             | SPK value | SPK Ref Val | %REC      | LowLimit  | HighLimit          | %RPD  | RPDLimit | Qual |
| Benzene        |                 | 1.0        | 0.025           | 1.000     | 0           | 104       | 80        | 120                |       |          |      |
| Toluene        |                 | 1.0        | 0.050           | 1.000     | 0           | 100       | 80        | 120                |       |          |      |
| Ethylbenzene   |                 | 1.0        | 0.050           | 1.000     | 0           | 103       | 80        | 120                |       |          |      |
| Xylenes, Total |                 | 3.1        | 0.10            | 3.000     | 0           | 103       | 80        | 120                |       |          |      |
| Surr: 4-Brom   | nofluorobenzene | 0.90       |                 | 1.000     |             | 90.0      | 70        | 130                |       |          |      |
| Sample ID:     | lcs-63008       | SampT      | Гуре: LC        | s         | Tes         | tCode: El | PA Method | 8021B: Vola        | tiles |          |      |
| Client ID:     | LCSS            | Batcl      | h ID: 63        | 008       | F           | RunNo: 8  | 1809      |                    |       |          |      |
| Prep Date:     | 10/4/2021       | Analysis [ | Date: 10        | )/5/2021  | 5           | SeqNo: 2  | 893814    | Units: <b>mg/k</b> | ۲g    |          |      |
| Analyte        |                 | Result     | PQL             | SPK value | SPK Ref Val | %REC      | LowLimit  | HighLimit          | %RPD  | RPDLimit | Qual |
| Benzene        |                 | 0.97       | 0.025           | 1.000     | 0           | 97.1      | 80        | 120                |       |          |      |
| Toluene        |                 | 1.0        | 0.050           | 1.000     | 0           | 100       | 80        | 120                |       |          |      |
| Ethylbenzene   |                 | 0.98       | 0.050           | 1.000     | 0           | 97.7      | 80        | 120                |       |          |      |
| Xylenes, Total |                 | 3.0        | 0.10            | 3.000     | 0           | 99.6      | 80        | 120                |       |          |      |
| Surr: 4-Brom   | nofluorobenzene | 0.87       |                 | 1.000     |             | 86.6      | 70        | 130                |       |          |      |

#### **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 ND
- PQL Practical Quanitative Limit
- s % Recovery outside of range due to dilution or matrix

- в Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Sample pH Not In Range Р
- RL Reporting Limit

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WSP

MC COM 160

**Client:** 

**Project:** 

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

| Sample ID:                                                                                                                                                                                                               | 2109H25-011ams                                                               | SampT                                                                                                                                                                                                                                                                                                               | уре: М                                                                                                                                                          | 6                                                                                                                                                                   | TestCode: EPA Method 8021B: Volatiles                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                 |                                                                                                                                            |                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                              |  |  |  |  |  |  |  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|--|--|--|--|--|--|--|
| Client ID:                                                                                                                                                                                                               | SS11                                                                         | Batch                                                                                                                                                                                                                                                                                                               | n ID: 62                                                                                                                                                        | 983                                                                                                                                                                 | F                                                                                                       | RunNo: 8 <sup>,</sup>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 1809                                                                                                                                                            |                                                                                                                                            |                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                              |  |  |  |  |  |  |  |
| Prep Date:                                                                                                                                                                                                               | 10/1/2021                                                                    | Analysis D                                                                                                                                                                                                                                                                                                          | )ate: 10                                                                                                                                                        | )/5/2021                                                                                                                                                            | S                                                                                                       | eqNo: 28                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 893822                                                                                                                                                          | Units: <b>mg/K</b>                                                                                                                         | (g                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                              |  |  |  |  |  |  |  |
| Analyte                                                                                                                                                                                                                  |                                                                              | Result                                                                                                                                                                                                                                                                                                              | PQL                                                                                                                                                             | SPK value                                                                                                                                                           | SPK Ref Val                                                                                             | %REC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | LowLimit                                                                                                                                                        | HighLimit                                                                                                                                  | %RPD                                                                                            | RPDLimit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Qual                         |  |  |  |  |  |  |  |
| Benzene                                                                                                                                                                                                                  |                                                                              | 1.0                                                                                                                                                                                                                                                                                                                 | 0.12                                                                                                                                                            | 0.9625                                                                                                                                                              | 0                                                                                                       | 106                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 80                                                                                                                                                              | 120                                                                                                                                        |                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                              |  |  |  |  |  |  |  |
| Toluene                                                                                                                                                                                                                  |                                                                              | 1.0                                                                                                                                                                                                                                                                                                                 | 0.24                                                                                                                                                            | 0.9625                                                                                                                                                              | 0                                                                                                       | 108                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 80                                                                                                                                                              | 120                                                                                                                                        |                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                              |  |  |  |  |  |  |  |
| Ethylbenzene                                                                                                                                                                                                             |                                                                              | 1.0                                                                                                                                                                                                                                                                                                                 | 0.24                                                                                                                                                            | 0.9625                                                                                                                                                              | 0                                                                                                       | 107                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 80                                                                                                                                                              | 120                                                                                                                                        |                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                              |  |  |  |  |  |  |  |
| Xylenes, Total                                                                                                                                                                                                           |                                                                              | 3.2                                                                                                                                                                                                                                                                                                                 | 0.48                                                                                                                                                            | 2.887                                                                                                                                                               | 0                                                                                                       | 111                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 80                                                                                                                                                              | 120                                                                                                                                        |                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                              |  |  |  |  |  |  |  |
| Surr: 4-Brom                                                                                                                                                                                                             | ofluorobenzene                                                               | 4.5                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                 | 4.812                                                                                                                                                               |                                                                                                         | 93.2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 70                                                                                                                                                              | 130                                                                                                                                        |                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                              |  |  |  |  |  |  |  |
| Sample ID:                                                                                                                                                                                                               | 2109H25-031ams                                                               | SampT                                                                                                                                                                                                                                                                                                               | ype: <b>M</b> S                                                                                                                                                 | 6                                                                                                                                                                   | Tes                                                                                                     | tCode: EF                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | PA Method                                                                                                                                                       | 8021B: Volat                                                                                                                               | iles                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                              |  |  |  |  |  |  |  |
| Client ID:                                                                                                                                                                                                               | SS31                                                                         | Batch                                                                                                                                                                                                                                                                                                               | n ID: 63                                                                                                                                                        | 008                                                                                                                                                                 | F                                                                                                       | RunNo: <b>8</b> ′                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 1809                                                                                                                                                            |                                                                                                                                            |                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                              |  |  |  |  |  |  |  |
| Prep Date:                                                                                                                                                                                                               | 10/4/2021                                                                    | Analysis D                                                                                                                                                                                                                                                                                                          | )ate: 10                                                                                                                                                        | )/5/2021                                                                                                                                                            | S                                                                                                       | eqNo: 28                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 893823                                                                                                                                                          | Units: mg/K                                                                                                                                | íg                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                              |  |  |  |  |  |  |  |
| Analyte                                                                                                                                                                                                                  |                                                                              | Result                                                                                                                                                                                                                                                                                                              | PQL                                                                                                                                                             | SPK value                                                                                                                                                           | SPK Ref Val                                                                                             | %REC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | LowLimit                                                                                                                                                        | HighLimit                                                                                                                                  | %RPD                                                                                            | RPDLimit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Qual                         |  |  |  |  |  |  |  |
| Benzene                                                                                                                                                                                                                  |                                                                              | 1.0                                                                                                                                                                                                                                                                                                                 | 0.024                                                                                                                                                           | 0.9533                                                                                                                                                              | 0                                                                                                       | 109                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 80                                                                                                                                                              | 120                                                                                                                                        |                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                              |  |  |  |  |  |  |  |
| Toluene                                                                                                                                                                                                                  |                                                                              | 1.0                                                                                                                                                                                                                                                                                                                 | 0.048                                                                                                                                                           | 0.9533                                                                                                                                                              | 0                                                                                                       | 110                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 80                                                                                                                                                              | 120                                                                                                                                        |                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                              |  |  |  |  |  |  |  |
| Ethylbenzene                                                                                                                                                                                                             |                                                                              | 1.0                                                                                                                                                                                                                                                                                                                 | 0.048                                                                                                                                                           | 0.9533                                                                                                                                                              | 0                                                                                                       | 110                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 80                                                                                                                                                              | 120                                                                                                                                        |                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                              |  |  |  |  |  |  |  |
| Xylenes, Total                                                                                                                                                                                                           |                                                                              | 3.2                                                                                                                                                                                                                                                                                                                 | 0.095                                                                                                                                                           | 2.860                                                                                                                                                               | 0                                                                                                       | 111                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 80                                                                                                                                                              | 120                                                                                                                                        |                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                              |  |  |  |  |  |  |  |
| Surr: 4-Brom                                                                                                                                                                                                             | ofluorobenzene                                                               | 0.84                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                 | 0.9533                                                                                                                                                              |                                                                                                         | 88.2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 70                                                                                                                                                              | 130                                                                                                                                        |                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                              |  |  |  |  |  |  |  |
| Sample ID:                                                                                                                                                                                                               | 2109H25-011amsd                                                              | I SampT                                                                                                                                                                                                                                                                                                             | vpe: <b>MS</b>                                                                                                                                                  | SD                                                                                                                                                                  | TestCode: EPA Method 8021B: Volatiles                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                 |                                                                                                                                            |                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                              |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                          |                                                                              | •                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                 |                                                                                                                                                                     |                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                 | RunNo: 81809                                                                                                                               |                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                              |  |  |  |  |  |  |  |
| Client ID:                                                                                                                                                                                                               | SS11                                                                         | Batch                                                                                                                                                                                                                                                                                                               | n ID: 62                                                                                                                                                        | 983                                                                                                                                                                 | F                                                                                                       | RunNo: 8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 1809                                                                                                                                                            |                                                                                                                                            |                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                              |  |  |  |  |  |  |  |
| Client ID:<br>Prep Date:                                                                                                                                                                                                 | SS11<br>10/1/2021                                                            | Batch<br>Analysis D                                                                                                                                                                                                                                                                                                 | n ID: 62<br>Date: 10                                                                                                                                            | 983<br>)/5/2021                                                                                                                                                     | F                                                                                                       | 8unNo: 8<br>6eqNo: 28                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 1809<br>893827                                                                                                                                                  | Units: <b>mg/K</b>                                                                                                                         | ğ                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                              |  |  |  |  |  |  |  |
| Client ID:<br>Prep Date:<br>Analyte                                                                                                                                                                                      | SS11<br>10/1/2021                                                            | Batch<br>Analysis D<br>Result                                                                                                                                                                                                                                                                                       | n ID: <b>62</b><br>Date: <b>1(</b><br>PQL                                                                                                                       | 983<br>)/5/2021<br>SPK value                                                                                                                                        | R<br>S<br>SPK Ref Val                                                                                   | RunNo: 8<br>SeqNo: 28<br>%REC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 1809<br>893827<br>LowLimit                                                                                                                                      | Units: <b>mg/K</b><br>HighLimit                                                                                                            | <b>′g</b><br>%RPD                                                                               | RPDLimit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Qual                         |  |  |  |  |  |  |  |
| Client ID:<br>Prep Date:<br>Analyte<br>Benzene                                                                                                                                                                           | SS11<br>10/1/2021                                                            | Batch<br>Analysis D<br>Result<br>1.2                                                                                                                                                                                                                                                                                | n ID: <b>62</b><br>Date: <b>1(</b><br><u>PQL</u><br>0.12                                                                                                        | 983<br>0/5/2021<br>SPK value<br>0.9355                                                                                                                              | F<br>S<br>SPK Ref Val<br>0                                                                              | RunNo: <b>8</b><br>SeqNo: <b>28</b><br><u>%REC</u><br>129                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 1809<br>893827<br>LowLimit<br>80                                                                                                                                | Units: <b>mg/K</b><br>HighLimit<br>120                                                                                                     | <b>5g</b><br><u>%RPD</u><br>16.3                                                                | RPDLimit<br>20                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Qual<br>S                    |  |  |  |  |  |  |  |
| Client ID:<br>Prep Date:<br>Analyte<br>Benzene<br>Toluene                                                                                                                                                                | SS11<br>10/1/2021                                                            | Batch<br>Analysis D<br>Result<br>1.2<br>1.2                                                                                                                                                                                                                                                                         | Date: <b>1</b> (<br>PQL<br>0.12<br>0.23                                                                                                                         | 983<br>0/5/2021<br>SPK value<br>0.9355<br>0.9355                                                                                                                    | F<br>S<br>SPK Ref Val<br>0<br>0                                                                         | RunNo: 8<br>SeqNo: 28<br><u>%REC</u><br>129<br>132                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 1809<br>893827<br>LowLimit<br>80<br>80                                                                                                                          | Units: <b>mg/K</b><br>HighLimit<br>120<br>120                                                                                              | <b>5g</b><br>%RPD<br>16.3<br>16.5                                                               | RPDLimit<br>20<br>20                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Qual<br>S<br>S               |  |  |  |  |  |  |  |
| Client ID:<br>Prep Date:<br>Analyte<br>Benzene<br>Toluene<br>Ethylbenzene                                                                                                                                                | SS11<br>10/1/2021                                                            | Batch<br>Analysis D<br>Result<br>1.2<br>1.2<br>1.2                                                                                                                                                                                                                                                                  | Date: <b>1</b> (<br>PQL<br>0.12<br>0.23<br>0.23                                                                                                                 | 983<br>0/5/2021<br>SPK value<br>0.9355<br>0.9355<br>0.9355                                                                                                          | F<br>S<br>SPK Ref Val<br>0<br>0<br>0                                                                    | RunNo: 8<br>SeqNo: 28<br><u>%REC</u><br>129<br>132<br>132                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 1809<br>893827<br>LowLimit<br>80<br>80<br>80                                                                                                                    | Units: <b>mg/K</b><br>HighLimit<br>120<br>120<br>120                                                                                       | <b>5g</b><br>%RPD<br>16.3<br>16.5<br>18.3                                                       | RPDLimit<br>20<br>20<br>20                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Qual<br>S<br>S<br>S          |  |  |  |  |  |  |  |
| Client ID:<br>Prep Date:<br>Analyte<br>Benzene<br>Toluene<br>Ethylbenzene<br>Xylenes, Total                                                                                                                              | SS11<br>10/1/2021                                                            | Batch<br>Analysis D<br>Result<br>1.2<br>1.2<br>1.2<br>4.0                                                                                                                                                                                                                                                           | Date: 10<br>PQL<br>0.12<br>0.23<br>0.23<br>0.23<br>0.47                                                                                                         | 983<br>0/5/2021<br>SPK value<br>0.9355<br>0.9355<br>0.9355<br>2.806                                                                                                 | F<br>S<br>SPK Ref Val<br>0<br>0<br>0<br>0                                                               | RunNo: 8<br>SeqNo: 28<br><u>%REC</u><br>129<br>132<br>132<br>132<br>142                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 1809<br>893827<br>LowLimit<br>80<br>80<br>80<br>80                                                                                                              | Units: <b>mg/K</b><br>HighLimit<br>120<br>120<br>120<br>120                                                                                | <b>59</b><br>%RPD<br>16.3<br>16.5<br>18.3<br>21.4                                               | RPDLimit<br>20<br>20<br>20<br>20                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Qual<br>S<br>S<br>S<br>RS    |  |  |  |  |  |  |  |
| Client ID:<br>Prep Date:<br>Analyte<br>Benzene<br>Toluene<br>Ethylbenzene<br>Xylenes, Total<br>Surr: 4-Brom                                                                                                              | SS11<br>10/1/2021<br>Iofluorobenzene                                         | Batch<br>Analysis D<br>Result<br>1.2<br>1.2<br>1.2<br>4.0<br>4.3                                                                                                                                                                                                                                                    | Date: 10<br>PQL<br>0.12<br>0.23<br>0.23<br>0.47                                                                                                                 | 983<br>D/5/2021<br>SPK value<br>0.9355<br>0.9355<br>0.9355<br>2.806<br>4.677                                                                                        | F<br>S<br>SPK Ref Val<br>0<br>0<br>0<br>0                                                               | RunNo: 8<br>6<br>6<br>7<br>8<br>7<br>8<br>7<br>8<br>7<br>8<br>7<br>8<br>7<br>8<br>7<br>8<br>7<br>8<br>7<br>8<br>7<br>8<br>7<br>8<br>7<br>8<br>7<br>8<br>7<br>8<br>7<br>8<br>7<br>8<br>7<br>8<br>7<br>8<br>7<br>8<br>7<br>8<br>7<br>8<br>7<br>8<br>7<br>8<br>7<br>8<br>7<br>8<br>7<br>8<br>7<br>8<br>7<br>8<br>7<br>8<br>7<br>8<br>7<br>8<br>7<br>8<br>7<br>8<br>7<br>8<br>7<br>8<br>7<br>8<br>7<br>8<br>7<br>8<br>7<br>8<br>7<br>8<br>7<br>8<br>7<br>8<br>7<br>8<br>7<br>8<br>7<br>8<br>7<br>8<br>7<br>8<br>7<br>8<br>7<br>8<br>7<br>8<br>7<br>8<br>7<br>8<br>7<br>8<br>7<br>8<br>7<br>8<br>7<br>8<br>7<br>8<br>7<br>8<br>7<br>8<br>7<br>8<br>7<br>8<br>7<br>8<br>7<br>8<br>7<br>8<br>7<br>8<br>7<br>8<br>7<br>8<br>7<br>8<br>7<br>8<br>7<br>8<br>7<br>7<br>7<br>8<br>7<br>7<br>7<br>7<br>7<br>7<br>7<br>7<br>7<br>7<br>7<br>7<br>7 | 1809<br>893827<br>LowLimit<br>80<br>80<br>80<br>80<br>80<br>70                                                                                                  | Units: <b>mg/K</b><br>HighLimit<br>120<br>120<br>120<br>120<br>120<br>130                                                                  | <b>59</b><br><u>%RPD</u><br>16.3<br>16.5<br>18.3<br>21.4<br>0                                   | RPDLimit<br>20<br>20<br>20<br>20<br>20<br>0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Qual<br>S<br>S<br>S<br>RS    |  |  |  |  |  |  |  |
| Client ID:<br>Prep Date:<br>Analyte<br>Benzene<br>Toluene<br>Ethylbenzene<br>Xylenes, Total<br>Surr: 4-Brom<br>Sample ID:                                                                                                | SS11<br>10/1/2021<br>ofluorobenzene<br>2109H25-031amsc                       | Batch<br>Analysis D<br>Result<br>1.2<br>1.2<br>1.2<br>4.0<br>4.3                                                                                                                                                                                                                                                    | Di ID: 62<br>Date: 10<br>PQL<br>0.12<br>0.23<br>0.23<br>0.23<br>0.47                                                                                            | 983<br>D/5/2021<br>SPK value<br>0.9355<br>0.9355<br>0.9355<br>2.806<br>4.677<br>SD                                                                                  | F<br>SPK Ref Val<br>0<br>0<br>0<br>0<br>Tes                                                             | RunNo: 8<br>GeqNo: 28<br>%REC<br>129<br>132<br>132<br>142<br>92.0<br>Code: EF                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 1809<br>893827<br>LowLimit<br>80<br>80<br>80<br>80<br>70<br>PA Method                                                                                           | Units: mg/K<br>HighLimit<br>120<br>120<br>120<br>120<br>130<br>8021B: Volat                                                                | <b>5</b> g<br>%RPD<br>16.3<br>16.5<br>18.3<br>21.4<br>0                                         | RPDLimit<br>20<br>20<br>20<br>20<br>0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Qual<br>S<br>S<br>S<br>RS    |  |  |  |  |  |  |  |
| Client ID:<br>Prep Date:<br>Analyte<br>Benzene<br>Toluene<br>Ethylbenzene<br>Xylenes, Total<br>Surr: 4-Brom<br>Sample ID:<br>Client ID:                                                                                  | SS11<br>10/1/2021<br>hofluorobenzene<br>2109H25-031amsc<br>SS31              | Batch<br>Analysis D<br>Result<br>1.2<br>1.2<br>1.2<br>4.0<br>4.3<br>I SampT<br>Batch                                                                                                                                                                                                                                | Date: 10<br>PQL<br>0.23<br>0.23<br>0.47<br>Type: MS                                                                                                             | 983<br>D/5/2021<br>SPK value<br>0.9355<br>0.9355<br>0.9355<br>2.806<br>4.677<br>SD<br>008                                                                           | F<br>SPK Ref Val<br>0<br>0<br>0<br>0<br>0<br>Tes<br>F                                                   | RunNo: 8<br>GeqNo: 28<br>%REC<br>129<br>132<br>132<br>142<br>92.0<br>Code: EF<br>RunNo: 8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 1809<br>893827<br>LowLimit<br>80<br>80<br>80<br>80<br>70<br>70<br>PA Method<br>1809                                                                             | Units: mg/K<br>HighLimit<br>120<br>120<br>120<br>120<br>120<br>130<br>8021B: Volat                                                         | <b>59</b><br><b>%RPD</b><br>16.3<br>16.5<br>18.3<br>21.4<br>0<br><b>:illes</b>                  | RPDLimit<br>20<br>20<br>20<br>20<br>0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Qual<br>S<br>S<br>S<br>RS    |  |  |  |  |  |  |  |
| Client ID:<br>Prep Date:<br>Analyte<br>Benzene<br>Toluene<br>Ethylbenzene<br>Xylenes, Total<br>Surr: 4-Brom<br>Sample ID:<br>Client ID:<br>Prep Date:                                                                    | SS11<br>10/1/2021<br>offluorobenzene<br>2109H25-031amsc<br>SS31<br>10/4/2021 | Batch<br>Analysis D<br>Result<br>1.2<br>1.2<br>1.2<br>4.0<br>4.3<br>M SampT<br>Batch<br>Analysis D                                                                                                                                                                                                                  | Pate: 10<br>Pate: 10<br>PQL<br>0.12<br>0.23<br>0.23<br>0.23<br>0.47                                                                                             | 983<br>)/5/2021<br>SPK value<br>0.9355<br>0.9355<br>2.806<br>4.677<br>SD<br>008<br>0/5/2021                                                                         | F<br>SPK Ref Val<br>0<br>0<br>0<br>0<br>Tes<br>F<br>S                                                   | RunNo: 8'<br>SeqNo: 28<br>%REC<br>129<br>132<br>132<br>142<br>92.0<br>tCode: EF<br>RunNo: 8'<br>SeqNo: 28                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 1809<br>893827<br>LowLimit<br>80<br>80<br>80<br>80<br>70<br>PA Method<br>1809<br>893830                                                                         | Units: mg/K<br>HighLimit<br>120<br>120<br>120<br>120<br>130<br>8021B: Volat                                                                | 2g<br>%RPD<br>16.3<br>16.5<br>18.3<br>21.4<br>0<br>tilles<br>2g                                 | RPDLimit<br>20<br>20<br>20<br>0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Qual<br>S<br>S<br>S<br>RS    |  |  |  |  |  |  |  |
| Client ID:<br>Prep Date:<br>Analyte<br>Benzene<br>Toluene<br>Ethylbenzene<br>Xylenes, Total<br>Surr: 4-Brom<br>Sample ID:<br>Client ID:<br>Prep Date:<br>Analyte                                                         | SS11<br>10/1/2021<br>ofluorobenzene<br>2109H25-031amsc<br>SS31<br>10/4/2021  | Batch<br>Analysis D<br>Result<br>1.2<br>1.2<br>1.2<br>4.0<br>4.3<br>I SampT<br>Batch<br>Analysis D<br>Result                                                                                                                                                                                                        | PQL<br>0.12<br>0.23<br>0.23<br>0.23<br>0.47<br>0.23<br>0.47<br>0.23<br>0.47                                                                                     | 983<br>D/5/2021<br>SPK value<br>0.9355<br>0.9355<br>2.806<br>4.677<br>CO<br>008<br>D/5/2021<br>SPK value                                                            | F<br>SPK Ref Val<br>0<br>0<br>0<br>0<br>Tes<br>F<br>SPK Ref Val                                         | RunNo: 8'<br>SeqNo: 28<br>%REC<br>129<br>132<br>132<br>142<br>92.0<br>tCode: EF<br>RunNo: 8'<br>SeqNo: 28<br>%REC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 1809<br>893827<br>LowLimit<br>80<br>80<br>80<br>80<br>70<br>PA Method<br>1809<br>893830<br>LowLimit                                                             | Units: mg/K<br>HighLimit<br>120<br>120<br>120<br>120<br>130<br>8021B: Volat<br>Units: mg/K<br>HighLimit                                    | 59<br>%RPD<br>16.3<br>16.5<br>18.3<br>21.4<br>0<br>iiles<br>59<br>%RPD                          | RPDLimit<br>20<br>20<br>20<br>0<br>0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Qual<br>S<br>S<br>RS<br>Qual |  |  |  |  |  |  |  |
| Client ID:<br>Prep Date:<br>Analyte<br>Benzene<br>Toluene<br>Ethylbenzene<br>Xylenes, Total<br>Surr: 4-Brom<br>Sample ID:<br>Client ID:<br>Prep Date:<br>Analyte<br>Benzene                                              | SS11<br>10/1/2021<br>ofluorobenzene<br>2109H25-031amsc<br>SS31<br>10/4/2021  | Batch<br>Analysis D<br>Result<br>1.2<br>1.2<br>1.2<br>4.0<br>4.3<br>I<br>SampT<br>Batch<br>Analysis D<br>Result<br>1.0                                                                                                                                                                                              | PQL<br>0.12<br>0.23<br>0.23<br>0.23<br>0.47<br>0.23<br>0.47<br>0.23<br>0.47<br>0.23<br>0.47<br>0.23<br>0.47                                                     | 983<br>D/5/2021<br>SPK value<br>0.9355<br>0.9355<br>2.806<br>4.677<br>CO<br>008<br>D/5/2021<br>SPK value<br>0.9671                                                  | F<br>SPK Ref Val<br>0<br>0<br>0<br>0<br>Test<br>SPK Ref Val<br>0                                        | RunNo: 8'<br>SeqNo: 28<br>%REC<br>129<br>132<br>132<br>142<br>92.0<br>Code: EF<br>RunNo: 8'<br>SeqNo: 28<br>%REC<br>108                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 1809<br>893827<br>LowLimit<br>80<br>80<br>80<br>80<br>70<br>PA Method<br>1809<br>893830<br>LowLimit<br>80                                                       | Units: mg/K<br>HighLimit<br>120<br>120<br>120<br>120<br>130<br>8021B: Volat<br>Units: mg/K<br>HighLimit<br>120                             | 5g<br>%RPD<br>16.3<br>16.5<br>18.3<br>21.4<br>0<br>iiles<br>5g<br>%RPD<br>1.03                  | RPDLimit<br>20<br>20<br>20<br>0<br>0<br>RPDLimit<br>20                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Qual<br>S<br>S<br>RS<br>Qual |  |  |  |  |  |  |  |
| Client ID:<br>Prep Date:<br>Analyte<br>Benzene<br>Toluene<br>Ethylbenzene<br>Xylenes, Total<br>Surr: 4-Brom<br>Sample ID:<br>Client ID:<br>Prep Date:<br>Analyte<br>Benzene<br>Toluene                                   | SS11<br>10/1/2021<br>ofluorobenzene<br>2109H25-031amsc<br>SS31<br>10/4/2021  | Batch<br>Analysis D<br>Result<br>1.2<br>1.2<br>1.2<br>4.0<br>4.3<br>I SampT<br>Batch<br>Analysis D<br>Result<br>1.0<br>1.0                                                                                                                                                                                          | PQL<br>0.12<br>0.23<br>0.23<br>0.23<br>0.23<br>0.47<br>Vype: MS<br>0.47<br>Vype: MS<br>0.10: 63<br>0ate: 10<br>PQL<br>0.024<br>0.024                            | 983<br>)/5/2021<br>SPK value<br>0.9355<br>0.9355<br>0.9355<br>2.806<br>4.677<br>SD<br>008<br>0/5/2021<br>SPK value<br>0.9671<br>0.9671<br>0.9671                    | SPK Ref Val<br>0<br>0<br>0<br>0<br>0<br>Test<br>SPK Ref Val<br>0<br>0                                   | RunNo: 8'<br>SeqNo: 28<br>%REC<br>129<br>132<br>132<br>142<br>92.0<br>Code: EF<br>RunNo: 8'<br>SeqNo: 28<br>%REC<br>108<br>107                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 1809<br>893827<br>LowLimit<br>80<br>80<br>80<br>80<br>70<br>PA Method<br>1809<br>893830<br>LowLimit<br>80<br>80                                                 | Units: mg/K<br>HighLimit<br>120<br>120<br>120<br>120<br>130<br>8021B: Volat<br>Units: mg/K<br>HighLimit<br>120<br>120                      | 5g<br>%RPD<br>16.3<br>16.5<br>18.3<br>21.4<br>0<br>illes<br>5g<br>%RPD<br>1.03<br>0.972         | RPDLimit           20           20           20           20           20           20           20           20           20           20           20           20           20           20           20           20           20           20           20           20           20           20           20           20           20           20           20           20                                                                                                                                                                                                    | Qual<br>S<br>S<br>RS<br>Qual |  |  |  |  |  |  |  |
| Client ID:<br>Prep Date:<br>Analyte<br>Benzene<br>Toluene<br>Ethylbenzene<br>Xylenes, Total<br>Surr: 4-Brom<br>Sample ID:<br>Client ID:<br>Prep Date:<br>Analyte<br>Benzene<br>Toluene<br>Ethylbenzene                   | SS11<br>10/1/2021<br>nofluorobenzene<br>2109H25-031amsc<br>SS31<br>10/4/2021 | Batch<br>Analysis D<br>Result<br>1.2<br>1.2<br>1.2<br>1.2<br>4.0<br>4.3<br>4.3<br>4<br>SampT<br>Batch<br>Analysis D<br>Result<br>1.0<br>1.0<br>1.0                                                                                                                                                                  | PQL<br>0.12<br>0.23<br>0.23<br>0.23<br>0.23<br>0.47<br>ype: MS<br>0.47<br>Dilb: 63<br>0ate: 10<br>PQL<br>0.024<br>0.048<br>0.048                                | 983<br>)/5/2021<br>SPK value<br>0.9355<br>0.9355<br>2.806<br>4.677<br>3D<br>008<br>0/5/2021<br>SPK value<br>0.9671<br>0.9671<br>0.9671<br>0.9671                    | F<br>SPK Ref Val<br>0<br>0<br>0<br>0<br>0<br>Tes<br>5<br>SPK Ref Val<br>0<br>0<br>0<br>0                | RunNo: 8'<br>SeqNo: 28<br>%REC<br>129<br>132<br>132<br>132<br>142<br>92.0<br>RCOde: EF<br>RunNo: 8'<br>SeqNo: 28<br>%REC<br>108<br>107<br>106                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 1809<br>893827<br>LowLimit<br>80<br>80<br>80<br>80<br>70<br>PA Method<br>1809<br>893830<br>LowLimit<br>80<br>80<br>80<br>80<br>80                               | Units: mg/K<br>HighLimit<br>120<br>120<br>120<br>120<br>130<br>8021B: Volat<br>Units: mg/K<br>HighLimit<br>120<br>120<br>120<br>120        | 5g<br>%RPD<br>16.3<br>16.5<br>18.3<br>21.4<br>0<br>tiles<br>5g<br>%RPD<br>1.03<br>0.972<br>2.29 | RPDLimit           20           20           20           20           20           20           20           20           20           20           20           20           20           20           20           20           20           20           20           20           20           20           20           20           20           20           20           20           20           20           20           20           20           20           20           20           20           20           20                                                     | Qual<br>S<br>S<br>RS<br>Qual |  |  |  |  |  |  |  |
| Client ID:<br>Prep Date:<br>Analyte<br>Benzene<br>Toluene<br>Ethylbenzene<br>Xylenes, Total<br>Surr: 4-Brom<br>Sample ID:<br>Client ID:<br>Prep Date:<br>Analyte<br>Benzene<br>Toluene<br>Ethylbenzene<br>Xylenes, Total | SS11<br>10/1/2021<br>offluorobenzene<br>2109H25-031amsc<br>SS31<br>10/4/2021 | Batch<br>Analysis D<br>Result<br>1.2<br>1.2<br>1.2<br>4.0<br>4.3<br>4.0<br>4.3<br>4.0<br>4.3<br>4.0<br>4.3<br>4.0<br>4.3<br>4.0<br>4.3<br>4.0<br>4.3<br>4.0<br>4.3<br>4.0<br>4.3<br>4.0<br>4.3<br>4.0<br>4.3<br>4.0<br>4.3<br>5.0<br>5.0<br>6.0<br>7.0<br>7.0<br>7.0<br>7.0<br>7.0<br>7.0<br>7.0<br>7.0<br>7.0<br>7 | PQL<br>0.23<br>0.23<br>0.23<br>0.23<br>0.23<br>0.47<br>ype: MS<br>0.23<br>0.47<br>ype: MS<br>0.23<br>0.47<br>ype: MS<br>0.23<br>0.47<br>ype: MS<br>0.23<br>0.47 | 983<br>)/5/2021<br>SPK value<br>0.9355<br>0.9355<br>0.9355<br>2.806<br>4.677<br>SD<br>008<br>0/5/2021<br>SPK value<br>0.9671<br>0.9671<br>0.9671<br>0.9671<br>2.901 | F<br>SPK Ref Val<br>0<br>0<br>0<br>0<br>0<br>Tes<br>5<br>SPK Ref Val<br>0<br>0<br>0<br>0<br>0<br>0<br>0 | RunNo: 8'<br>SeqNo: 28<br>%REC<br>129<br>132<br>132<br>132<br>142<br>92.0<br>RCode: EF<br>RunNo: 8'<br>SeqNo: 28<br>%REC<br>108<br>107<br>106<br>105                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 1809<br>893827<br>LowLimit<br>80<br>80<br>80<br>80<br>70<br>PA Method<br>1809<br>893830<br>LowLimit<br>80<br>80<br>80<br>80<br>80<br>80<br>80<br>80<br>80<br>80 | Units: mg/K<br>HighLimit<br>120<br>120<br>120<br>120<br>130<br>8021B: Volat<br>Units: mg/K<br>HighLimit<br>120<br>120<br>120<br>120<br>120 | 2g<br>%RPD<br>16.3<br>16.5<br>18.3<br>21.4<br>0<br>tilles<br>2.9<br>4.19                        | RPDLimit           20           20           20           20           20           20           20           20           20           20           20           20           20           20           20           20           20           20           20           20           20           20           20           20           20           20           20           20           20           20           20           20           20           20           20           20           20           20           20           20           20           20           20 | Qual<br>S<br>S<br>RS<br>Qual |  |  |  |  |  |  |  |

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

**Qualifiers:** 

S % Recovery outside of range due to dilution or matrix

- в Analyte detected in the associated Method Blank
- Value above quantitation range Е
- J Analyte detected below quantitation limits
- Sample pH Not In Range Р
- RL Reporting Limit

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WO#: 2109H25

15-Oct-21

WSP

**MC COM 160** 

**Client:** 

**Project:** 

Client ID:

Prep Date:

Analyte

Benzene

Toluene

Ethylbenzene

Xylenes, Total

Sample ID: LCS-62982

LCSS

10/1/2021

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

Result

0.99

1.0

1.0

2.9

| 2109112  |
|----------|
| 15-Oct-2 |
|          |

Qual

| obenzene | 0.87 | 1.000 |
|----------|------|-------|
|          |      |       |

SampType: LCS

Batch ID: 62982

Analysis Date: 10/5/2021

PQL

0.025

0.050

0.050

0.10

SPK value

1.000

1.000

1.000

3.000

| Surr: 4-Bromofluorobenzene | 0.87       |          | 1.000     |             | 86.6                  | 70        | 130          |      |          |      |
|----------------------------|------------|----------|-----------|-------------|-----------------------|-----------|--------------|------|----------|------|
| Sample ID: mb-62982        | Samp       | Type: MI | BLK       | Tes         | tCode: El             | PA Method | 8021B: Volat | iles |          |      |
| Client ID: PBS             | Batc       | h ID: 62 | 982       | F           | RunNo: 8 <sup>,</sup> | 1821      |              |      |          |      |
| Prep Date: 10/1/2021       | Analysis [ | Date: 1  | 0/5/2021  | 5           | SeqNo: 2              | 894545    | 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     |             | 86.2                  | 70        | 130          |      |          |      |

SPK Ref Val

0

0

0

0

TestCode: EPA Method 8021B: Volatiles

LowLimit

80

80

80

80

Units: mg/Kg

120

120

120

120

%RPD

RPDLimit

HighLimit

RunNo: 81821

%REC

98.8

100

99.9

98.3

SeqNo: 2894544

**Qualifiers:** 

- Value exceeds Maximum Contaminant Level.
- Sample Diluted Due to Matrix D
- Holding times for preparation or analysis exceeded Н
- Not Detected at the Reporting Limit ND
- Practical Quanitative Limit POL
- % Recovery outside of range due to dilution or matrix s

- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
- Analyte detected below quantitation limits J
- Р Sample pH Not In Range
- RL Reporting Limit

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2109H25 WO#.

#### Received by OCD: 9/11/2023 9:27:52 PM

•

|                    | ALL<br>NVIRONMENT<br>NALYSIS<br>ABORATORY | AL                                | Ha<br>TE<br>W    | ull Environmen<br>CL: 505-345-3<br>Vebsite: client. | ntal Anal<br>49<br>Albuquer<br>975 FAX<br>s.hallenv | vsis Lab<br>01 Hawl<br>que, NM<br>505-34<br>ronmen | Sample Log-In Check List |                         |                                              |        |  |  |  |
|--------------------|-------------------------------------------|-----------------------------------|------------------|-----------------------------------------------------|-----------------------------------------------------|----------------------------------------------------|--------------------------|-------------------------|----------------------------------------------|--------|--|--|--|
| Client Nar         | me: WSP                                   |                                   | Work             | Order Numl                                          | ber: 210                                            | 9H25                                               |                          |                         | RcptNo: 1                                    |        |  |  |  |
| Received           | By: Cheyenn                               | e Cason                           | 9/30/20          | 021 7:30:00 /                                       | ٩M                                                  |                                                    | Che                      | l                       |                                              |        |  |  |  |
| Completed          | l By: Isaiah Or                           | tiz                               | 9/30/20          | 21 9:01:09                                          | ٩M                                                  |                                                    | 40<br>11                 | E_C                     | 2-6                                          |        |  |  |  |
| Reviewed           | By: KIG                                   | <u>9</u> 1                        | 0/01/2           | -1                                                  |                                                     |                                                    |                          |                         |                                              |        |  |  |  |
| Chain of           | Custody                                   | PG 10/0                           | 11/1             |                                                     |                                                     |                                                    |                          |                         |                                              |        |  |  |  |
| 1. Is Chair        | n of Custody com                          | olete?                            |                  |                                                     | Yes                                                 | $\checkmark$                                       | Ν                        | lo 🗌                    | Not Present                                  |        |  |  |  |
| 2. How wa          | is the sample deli                        | vered?                            |                  |                                                     | Cou                                                 | rier                                               |                          |                         |                                              |        |  |  |  |
| Log In             |                                           |                                   |                  |                                                     |                                                     |                                                    |                          |                         |                                              |        |  |  |  |
| 3. Was an          | attempt made to                           | cool the samp                     | bles?            |                                                     | Yes                                                 | $\checkmark$                                       | N                        | lo 🗌                    | NA 🗌                                         |        |  |  |  |
| 4. Were all        | samples received                          | d at a tempera                    | ature of >0° C   | to 6.0°C                                            | Yes                                                 | $\checkmark$                                       | N                        | o 🗌                     |                                              |        |  |  |  |
| 5. Sample(         | (s) in proper conta                       | ainer(s)?                         |                  |                                                     | Yes                                                 | $\checkmark$                                       | N                        | o 🗌                     |                                              |        |  |  |  |
| 6. Sufficien       | t sample volume                           | for indicated t                   | est(s)?          |                                                     | Yes                                                 | $\checkmark$                                       | N                        | o 🗌                     |                                              |        |  |  |  |
| 7. Are sam         | ples (except VOA                          | and ONG) pr                       | operly preserve  | ed?                                                 | Yes                                                 | $\checkmark$                                       | N                        | □ □                     |                                              |        |  |  |  |
| 8. Was pre         | servative added to                        | bottles?                          |                  |                                                     | Yes                                                 |                                                    | N                        |                         | NA 🗌                                         |        |  |  |  |
| 9. Received        | d at least 1 vial wi                      | th headspace                      | <1/4" for AQ \   | /OA?                                                | Yes                                                 |                                                    | N                        |                         | NA 🗹                                         |        |  |  |  |
| 10. Were an        | ly sample contain                         | ers received b                    | oroken?          |                                                     | Yes                                                 |                                                    | N                        | 0 🗸                     |                                              | 1      |  |  |  |
| 11.Does pa         | perwork match bo                          | ttle labels?                      |                  |                                                     | Yes                                                 | $\checkmark$                                       | N                        | » 🗌                     | # of preserved<br>bottles checked<br>for pH: |        |  |  |  |
| (Note dis          | crepancies on ch                          | ain of custody                    | )                |                                                     | 7                                                   |                                                    |                          |                         | (<2.or >12 unless r                          | noted) |  |  |  |
| 12 Is it clear     | what analyses w                           | are requested                     | n of Custody?    |                                                     | Yes                                                 |                                                    | NO                       |                         | Adjuster?                                    |        |  |  |  |
| 14. Were all       | holding times abl                         | e to be met?                      | ſ                |                                                     | Yes<br>Yes                                          | $\checkmark$                                       | No                       |                         | Checked by: 10-1-                            | 21     |  |  |  |
| Cracial III        |                                           |                                   |                  |                                                     |                                                     |                                                    |                          |                         | 0                                            |        |  |  |  |
| 15 Wee elle        | andling (if app                           | <u>olicable)</u>                  |                  |                                                     |                                                     |                                                    |                          |                         | _                                            |        |  |  |  |
| 15, was clie       | ent notified of all d                     | iscrepancies                      | with this order? | ?                                                   | Yes                                                 |                                                    | N                        | o [_]                   | NA 🗹                                         |        |  |  |  |
| Pe                 | erson Notified:                           |                                   |                  | Date:                                               |                                                     | 54010-21112-02                                     |                          | and a subsection of the |                                              |        |  |  |  |
| By                 | Whom:                                     | generalisti namento versione      |                  | Via:                                                | eM                                                  | ail 🗌                                              | Phone [                  | Fax                     | In Person                                    |        |  |  |  |
| Re                 | egarding:                                 | prosecution and the second second |                  |                                                     |                                                     |                                                    |                          |                         |                                              |        |  |  |  |
| 16 Addition        |                                           | une.                              |                  |                                                     |                                                     |                                                    |                          |                         |                                              |        |  |  |  |
| 17. <u>Coole</u> r | Information                               |                                   |                  |                                                     |                                                     |                                                    |                          |                         |                                              | s.     |  |  |  |
| Coole              | er No Temp °C                             | Condition                         | Seal Intact      | Seal No                                             | Seal D                                              | ate                                                | Signed                   | By                      |                                              |        |  |  |  |
| 1                  | 2.8                                       | Good                              | Not Present      |                                                     |                                                     |                                                    |                          |                         |                                              |        |  |  |  |
| 2                  | 1.4                                       | Good                              | Not Present      |                                                     |                                                     |                                                    |                          |                         |                                              |        |  |  |  |
| 3                  | 3.4                                       | Good                              | Not Present      |                                                     |                                                     |                                                    |                          |                         |                                              |        |  |  |  |

Page 1 of 1

| Rec M 10 - 2602 |                         | ANALYSTS I ABORATORY | www hallenvironmental com | lawkins NE - Albuquerque. NM 87109 | 1/20 Eax 505-345-4107 | Analysis Request          | 27.<br>()                               | uəso<br>DS '1<br>SI | MI20                                 | 352(0 <sup>5+</sup>            | 504.<br>5<br>3<br>3<br>3<br>4<br>3<br>4<br>3<br>4<br>3<br>5<br>4<br>3<br>5<br>4<br>3<br>5<br>4<br>3<br>5<br>4<br>3<br>5<br>5<br>5<br>5 | 2 pod (           | Method<br>8 Me<br>3r, 1<br>7<br>0<br>0<br>1<br>0<br>0<br>1<br>0 | 20B (A<br>202RA<br>20260 (Y<br>20260 (Y<br>20260) (Y<br>20260) (Y<br>20260) (Y<br>20260 |                         |               |           |            |                           |                     |           |                             |           |           |               |               | Pa Criffers                                             | u josh. collams & usp. con    | ) of 1                    | o-contracted data will be clearly notated on the analytical report. |
|-----------------|-------------------------|----------------------|---------------------------|------------------------------------|-----------------------|---------------------------|-----------------------------------------|---------------------|--------------------------------------|--------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|-------------------|-----------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|---------------|-----------|------------|---------------------------|---------------------|-----------|-----------------------------|-----------|-----------|---------------|---------------|---------------------------------------------------------|-------------------------------|---------------------------|---------------------------------------------------------------------|
| 1               |                         |                      |                           | 4901 F                             | Tel. 5                |                           | (c                                      | s's<br>9780         | DCE<br>0 / 1<br>8) s,                | AD<br>282                      | )8/s                                                                                                                                   | GF<br>(GF<br>(GF  | EN<br>15D                                                       | / X∃TE<br>08:H97<br>9 1808                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                         | X             | X         | X          | $\frac{\lambda}{\lambda}$ | $\frac{1}{\lambda}$ | X<br>X    | $\stackrel{\times}{\times}$ | ×<br>×    | X<br>X    | $\frac{1}{X}$ | X<br>X        | Remarks:<br>2.8-022                                     | 2 4-0 13                      | 0.4.0                     | s possibility. Any su                                               |
|                 |                         | Rush                 |                           | V #160                             |                       |                           |                                         | -                   | terb                                 | Adams                          | ON 🗆                                                                                                                                   |                   | FI: See Rendle (°C)                                             | vative HEAL No.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 01 001 001              | 200           | Soo S     | COH<br>COH | SUD                       | 9UD                 | C00       | COS                         | 600       | 010       | 110           | 210           | Date Time                                               | Date Time                     | 9/30/21 0730              | boratories. This serves as notice of this                           |
|                 | Turn-Around Time:       | ▲Standard            | Project Name:             | MC JM                              | Project #:            |                           | Project Manager:                        |                     | Brooke H                             | Sampler: Jsh                   | On Ice: Va Yes                                                                                                                         | # of Coolers: 3   | Cooler Temp(including CF                                        | Container Preser<br>Tvpe and # Tvpe                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | (1) toz. cor            |               |           |            |                           |                     |           |                             |           |           |               | ~ ~           | Received by: Via:                                       | Received by: Via:             | Our Casher                | contracted to other accredited la                                   |
|                 | Chain-of-Custody Record | Client: WSPUSA Inc.  | Brooke Iterb              | Mailing Address: 848 E. 2nd Ave    |                       | Phone #: 970 - 385 - 1096 | email or Fax#: brooke . herb @ wsp. com | QA/QC Package:      | Standard □ Level 4 (Full Validation) | Accreditation:   Az Compliance | NELAC     Other                                                                                                                        | Z EDD (Type) アD F |                                                                 | Date Time Matrix Sample Name                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 9-28-21 1:420 soil 5501 | Coss 1 (Chi ) | 14,33 503 | Poss Scyl  | 1427 5505                 | 1431 5506           | 1433 5567 | 1435 SSO8                   | 1437 SSOQ | 1439 SSIO | 1441 SS11     | V 1443 V 5512 | Date: Time: Reliptionshed by:<br>A. Dr. 100 Jen Collums | Date: Time: Relifiquished by: | 1/29/21 1824 / Mart Walls | If necessary, samples submitted to Hall Environmental may be sub    |

| D               |                 |                                          |                      |                       |                   |                    |                          |              | Da            | 20                              | $(\chi)$   | $\sim$       | 4             | Re     |
|-----------------|-----------------|------------------------------------------|----------------------|-----------------------|-------------------|--------------------|--------------------------|--------------|---------------|---------------------------------|------------|--------------|---------------|--------|
| Chain           | n-of-Cu         | istody Record                            | Turn-Around          | I Time:               |                   |                    |                          |              | - 0           |                                 |            |              |               | ceive  |
| Client:         |                 |                                          | A Standard           | d 🗆 Rus               | ų                 |                    |                          |              |               | <b>YST</b>                      | ALK        | NNO          | DATO          |        |
|                 |                 |                                          | Project Nam          | e:                    |                   |                    |                          |              |               |                                 |            |              |               |        |
| Mailing Addres. | SS:             |                                          | V                    | NOJ JU                | N #160            | $\wedge$           | 490                      | 1 Hawki      |               |                                 |            | NM 871       | 00            | ): 9/1 |
| 10/2            |                 |                                          | Project #:           |                       |                   |                    | Tel                      | 505-34       | 5-3975        | Fax                             | 505-3      | 45-4107      | 20            | 1/20   |
| Phone #:        |                 |                                          |                      |                       |                   | 1 -                |                          |              |               | nalysis                         | Reque      | est          |               | 239    |
| email or Fax#:  |                 |                                          | Project Mana         | ager:                 |                   |                    | (0                       |              |               | ₽¢C                             |            | (1           |               | 27     |
| QA/QC Package.  |                 |                                          |                      |                       |                   |                    | MBC                      | S,E          | SV            | )S Ԡ                            |            | uəso         |               | :52    |
| □ Standard      |                 | Level 4 (Full Validation)                |                      |                       |                   |                    | / O<br>2) s              | ЪСI          | VISC          | юď                              |            | AAV          |               | PM     |
| Accreditation:  | □ Az Cor        | mpliance                                 | Sampler:             |                       |                   |                    | aM<br>PR                 | ۱)<br>85     | 0728          | <sup>50</sup>                   |            | uəsi         |               |        |
| D NELAC         | □ Other         |                                          | On Ice:              | <b>P</b> Yes          | oN 🗆              |                    | /0                       | )8/s         | 3 10<br>1     | N                               | (A         | Pre          |               |        |
| □ EDD (Type)    |                 |                                          | # of Coolers:        | N                     |                   |                    | 29                       | g po<br>səpi | o o r<br>elet | ' <sup>2</sup> O <sup>3</sup> ' | 0          | ) w          |               |        |
|                 |                 |                                          | Cooler Temp          | (including CF): S     | - birst par       | () ()              | )DSI                     | ethc         | y 83          | ر, N<br>(AO)                    | -im9       |              |               |        |
|                 |                 |                                          |                      |                       |                   |                    | / X                      | м)           | id s<br>8 Al  | 8 (V                            | S) (       | 201          |               |        |
| Date Time       | Matrix          | Sample Name                              | Type and #           | Type                  | 21094             | S2T                | ВТЕ<br>НЧТ               | EDB          | ная<br>Яся    | 8560<br>CI)E                    | 0728       | 1010         |               |        |
| 5741 R-26-9     | Soil            | 5513                                     | (1) tez              | 000                   |                   | 012                | $\frac{1}{\chi}$         |              |               |                                 |            |              |               |        |
| 2011            | _               | SSIY                                     | /                    |                       |                   | Oly                | X                        |              |               | X                               |            |              |               |        |
| 5449            |                 | SSIS                                     |                      |                       |                   | 015                |                          |              |               |                                 |            |              |               |        |
| 1450            | _               | SSIG                                     |                      |                       |                   | AID                | X                        |              |               | 1                               |            |              |               |        |
| 1452            |                 | SS17                                     |                      |                       |                   | 114                | X                        |              |               |                                 |            |              |               |        |
| 1-153           |                 | S518                                     |                      |                       |                   | 518                | X                        |              |               |                                 |            |              |               |        |
| 921:1           |                 | ssig                                     |                      |                       |                   | 019 >              | $\frac{1}{2}$            |              |               | $\lambda$                       |            |              |               |        |
| 1454            | _               | SSAO                                     |                      |                       |                   | 010                | $\frac{\times}{\lambda}$ |              |               | X                               |            |              |               |        |
| 1459            |                 | IKSS                                     |                      |                       |                   | 120                | $\frac{1}{2}$            |              |               | X                               |            |              |               |        |
| 1500            |                 | SSAD                                     |                      |                       |                   | 022                | $\frac{X}{x}$            |              |               | X                               |            |              |               |        |
| 2051            |                 | SSJ3                                     |                      |                       |                   | 023                | X                        |              |               | X                               |            |              |               |        |
| V 1504          | ¥               | ss,a4                                    | $\rightarrow$        | N                     |                   | 74                 | X                        |              |               | X                               |            |              |               |        |
| Date: Time:     | Relinquishe     | and I'll with                            | Received by:         | Via:                  | Date<br>9/29/2    | Time F             | Remarks:                 |              |               |                                 |            |              |               |        |
| Date: Time:     | Relinguished    | d by:                                    | Received by:         | Via:                  | Date              | Time               |                          |              |               |                                 |            |              |               | ige (  |
| 128/ 12/02/L    | MW              | at las                                   | Che                  | ond or C              | 31.3000           | 0120               |                          |              |               |                                 |            |              |               | 80 of  |
| If necessary,   | ', samples subm | itted to Hall Environmental may be subco | ontracted to other a | ccredited laboratorie | es. This serves a | s notice of this p | oossibility. Any         | sub-contra   | acted data    | vill be clear                   | ly notated | on the analy | tical report. | 110    |

Released to Imaging: 10/20/2023 1:32:23 PM

| Receiv          | ed by           |             | ): 9/1                                                                    | 1/20                          | 02.3 9           | 27            | :521                      | PM                        |                   |                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                        |                                                                                                                                                                                                                   |              |      |       |      |                        |      |      |        |      |               |  |   | P                          | age 8.          | 1 of 11                                        |
|-----------------|-----------------|-------------|---------------------------------------------------------------------------|-------------------------------|------------------|---------------|---------------------------|---------------------------|-------------------|--------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|------|-------|------|------------------------|------|------|--------|------|---------------|--|---|----------------------------|-----------------|------------------------------------------------|
| Page 3 of 3     | HALL ENVIRONMEN |             | www.riaire11virorifrientai.com<br>Hawkins NF - Albirici.ierci.ie NM 87100 | 505-345-3075 Eav 605 345 4107 | Analysis Request | ()<br>***     | uəscu<br>DS <sup>(†</sup> | .09<br>.09<br>.4AV        | 0 <sup>5,</sup>   | 04.<br>ог 8<br>А)<br>Рге | 70 (<br>10 (<br>10 (<br>10 (<br>10 (<br>10 (<br>10 (<br>10 (<br>1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | etho<br>88<br>Me<br>1, N<br>AO<br>AO<br>AO<br>AO<br>AO<br>AO<br>AO<br>AO<br>AO<br>AO<br>AO<br>AO<br>AO | DB (M<br>PHs b<br>270 (Sd<br>260 (V<br>560 (V<br>560 (V<br>56<br>260 (V<br>56<br>260 (V<br>56<br>260 (V<br>56<br>26<br>260 (V<br>56<br>26<br>26<br>26<br>26<br>26<br>26<br>26<br>26<br>26<br>26<br>26<br>26<br>26 |              |      |       |      | Χ.                     | X    | ×    |        |      |               |  |   |                            |                 |                                                |
|                 |                 |             | 4901                                                                      | Tel                           | 5                | (c<br>†       | 9'5<br>MRC                | /0                        | aM<br>AG          | / 0                      | S<br>S<br>S<br>S<br>S<br>S<br>S<br>S<br>S<br>S<br>S<br>S<br>S<br>S<br>S<br>S<br>S<br>S<br>S                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | DAT<br>15D(                                                                                            | / X∃T<br>98:H9                                                                                                                                                                                                    |              | 1    |       |      | <del>\</del><br>\<br>\ | X    | X    | X<br>X | X    | X             |  |   | temarks:                   |                 |                                                |
|                 | F               |             | 4 60                                                                      |                               |                  |               |                           |                           |                   | ON D                     | and the second sec | - Erist rede (°C)                                                                                      | HEAL No.                                                                                                                                                                                                          | N <          | 200  | 270   | 170  | 970                    | 620  | 030  | 031    | 220  | 0331          |  |   | Date Time F                | Date Time       | 913012 G710                                    |
| Time:           | I Busl          | e:          | MOJ -                                                                     |                               |                  | iger:         | )                         |                           |                   | pa Yes                   | e                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | (including CF): Ser                                                                                    | Preservative                                                                                                                                                                                                      | 1001         |      |       |      |                        |      |      |        |      | $\rightarrow$ |  |   | Via:                       | Via:            | CUN-C                                          |
| Turn-Around     | Standard        | Project Nam | MC                                                                        | Project #:                    |                  | Project Mana  |                           |                           | Sampler:          | On Ice:                  | # of Coolers:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Cooler Temp                                                                                            | Container                                                                                                                                                                                                         | 1)402        |      |       |      |                        |      |      |        |      | A             |  |   | Received by:               | Received by:    | (m contraction of the contract                 |
| -Custody Record |                 |             |                                                                           |                               |                  |               |                           | Level 4 (Full Validation) | z Compliance      | Other                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                        | rix<br>Samnle Name                                                                                                                                                                                                | 5225 1:5     | SS26 | tress | 5678 | 0000                   | hess | 5530 | 5531   | SSZZ | - S533        |  |   | pulshed by:                | tuished by:     | ss submitted to Hall Environmental may be sub- |
| Chain-of        | lient:          |             | ailing Address:                                                           |                               | none #:          | nail or Fax#: | A/QC Package:             | Standard                  | screditation: 🗆 A | NELAC D C                | EDD (Type)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                        | te Time Matr                                                                                                                                                                                                      | 8-31 )506 50 | 1510 | 1151  | (12) | 1111                   |      | 5151 | 1517   | 1519 | 1230 2        |  | i | e: lime: Kelm<br>R-3( 1763 | e: Time: Relino | 9/21 187U / C                                  |

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#### HALL ENVIRONMENTAL ANALYSIS LABORATORY

Heather Woods Whiptail Midstream 1703 Calder St Farmington, NM 87401 TEL: (505) 636-0745 FAX:

RE: MC Com 160

OrderNo.: 2308G05

Dear Heather Woods:

Hall Environmental Analysis Laboratory received 20 sample(s) on 8/30/2023 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,

Received by OCD: 9/11/2023 9:27:52 PM

andy

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

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

Date Reported:

#### Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** Whiptail Midstream

MC Com 160

Project:

Client Sample ID: B-01@1-1.5' Collection Date: 8/25/2023 9:23:00 AM Received Date: 8/30/2023 6:30:00 AM

| Lab ID: 2308G05-001            | Matrix: SOIL | Rece     | ived Date: | 8/30/2 | 023 6:30:00 AM      |
|--------------------------------|--------------|----------|------------|--------|---------------------|
| Analyses                       | Result       | RL Qua   | al Units   | DF     | Date Analyzed       |
| EPA METHOD 8015M/D: DIESEL RAI | NGE ORGANICS |          |            |        | Analyst: PRD        |
| Diesel Range Organics (DRO)    | ND           | 10       | mg/Kg      | 1      | 9/5/2023 8:53:52 PM |
| Motor Oil Range Organics (MRO) | ND           | 50       | mg/Kg      | 1      | 9/5/2023 8:53:52 PM |
| Surr: DNOP                     | 76.7         | 69-147   | %Rec       | 1      | 9/5/2023 8:53:52 PM |
| EPA METHOD 8015D: GASOLINE RA  | ANGE         |          |            |        | Analyst: KMN        |
| Gasoline Range Organics (GRO)  | ND           | 4.7      | mg/Kg      | 1      | 9/5/2023 8:51:00 PM |
| Surr: BFB                      | 97.5         | 15-244   | %Rec       | 1      | 9/5/2023 8:51:00 PM |
| EPA METHOD 8021B: VOLATILES    |              |          |            |        | Analyst: KMN        |
| Benzene                        | ND           | 0.024    | mg/Kg      | 1      | 9/5/2023 8:51:00 PM |
| Toluene                        | ND           | 0.047    | mg/Kg      | 1      | 9/5/2023 8:51:00 PM |
| Ethylbenzene                   | ND           | 0.047    | mg/Kg      | 1      | 9/5/2023 8:51:00 PM |
| Xylenes, Total                 | ND           | 0.095    | mg/Kg      | 1      | 9/5/2023 8:51:00 PM |
| Surr: 4-Bromofluorobenzene     | 87.5         | 39.1-146 | %Rec       | 1      | 9/5/2023 8:51:00 PM |
| EPA METHOD 300.0: ANIONS       |              |          |            |        | Analyst: SNS        |
| Chloride                       | ND           | 60       | mg/Kg      | 20     | 9/5/2023 9:45:00 PM |
|                                |              |          |            |        |                     |

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

- \* Value exceeds Maximum Contaminant Level. Sample Diluted Due to Matrix D
- 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. S
- Analyte detected in the associated Method Blank В Above Quantitation Range/Estimated Value Е
- Analyte detected below quantitation limits J
  - Sample pH Not In Range
- Р
- Reporting Limit RL

#### Hall Environmental Analysis Laboratory, Inc.

Date Reported:

| CLIENT: Whiptail Midstream     | Client Sample ID: B-01@1.5-2' |                 |            |         |                      |  |  |  |  |
|--------------------------------|-------------------------------|-----------------|------------|---------|----------------------|--|--|--|--|
| Project: MC Com 160            |                               | Collec          | tion Date: | 8/25/20 | 023 9:25:00 AM       |  |  |  |  |
| Lab ID: 2308G05-002            | Matrix: SOIL                  | Rece            | ived Date: | 8/30/20 | 023 6:30:00 AM       |  |  |  |  |
| Analyses                       | Result                        | RL Qu           | al Units   | DF      | Date Analyzed        |  |  |  |  |
| EPA METHOD 8015M/D: DIESEL RAM | IGE ORGANICS                  |                 |            |         | Analyst: PRD         |  |  |  |  |
| Diesel Range Organics (DRO)    | ND                            | 9.6             | mg/Kg      | 1       | 9/5/2023 9:04:42 PM  |  |  |  |  |
| Motor Oil Range Organics (MRO) | ND                            | 48              | mg/Kg      | 1       | 9/5/2023 9:04:42 PM  |  |  |  |  |
| Surr: DNOP                     | 81.1                          | 69-147          | %Rec       | 1       | 9/5/2023 9:04:42 PM  |  |  |  |  |
| EPA METHOD 8015D: GASOLINE RA  | NGE                           |                 |            |         | Analyst: KMN         |  |  |  |  |
| Gasoline Range Organics (GRO)  | ND                            | 4.8             | mg/Kg      | 1       | 9/5/2023 9:56:00 PM  |  |  |  |  |
| Surr: BFB                      | 105                           | 15 <b>-2</b> 44 | %Rec       | 1       | 9/5/2023 9:56:00 PM  |  |  |  |  |
| EPA METHOD 8021B: VOLATILES    |                               |                 |            |         | Analyst: KMN         |  |  |  |  |
| Benzene                        | ND                            | 0.024           | mg/Kg      | 1       | 9/5/2023 9:56:00 PM  |  |  |  |  |
| Toluene                        | ND                            | 0.048           | mg/Kg      | 1       | 9/5/2023 9:56:00 PM  |  |  |  |  |
| Ethylbenzene                   | ND                            | 0.048           | mg/Kg      | 1       | 9/5/2023 9:56:00 PM  |  |  |  |  |
| Xvlenes. Total                 | ND                            | 0.096           | mg/Kg      | 1       | 9/5/2023 9:56:00 PM  |  |  |  |  |
| Surr: 4-Bromofluorobenzene     | 91.1                          | 39.1-146        | %Rec       | 1       | 9/5/2023 9:56:00 PM  |  |  |  |  |
| EPA METHOD 300.0: ANIONS       |                               |                 |            |         | Analyst: SNS         |  |  |  |  |
| Chloride                       | ND                            | 60              | mg/Kg      | 20      | 9/5/2023 10:22:14 PM |  |  |  |  |

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

Qualifiers:

Received by OCD: 9/11/2023 9:27:52 PM

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 ND
- Practical Quanitative Limit PQL

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

- Analyte detected in the associated Method Blank в Above Quantitation Range/Estimated Value
- Е Analyte detected below quantitation limits J
- Sample pH Not In Range Р
- RL Reporting Limit

#### Hall Environmental Analysis Laboratory, Inc.

Date Reported:

| CLIENT: Whiptail Midstream      | Client Sample ID: B-02@0-0.5' |                   |          |        |                      |  |  |  |  |
|---------------------------------|-------------------------------|-------------------|----------|--------|----------------------|--|--|--|--|
| Project: MC Com 160             |                               | Collection        | on Date: | 8/25/2 | 023 9:32:00 AM       |  |  |  |  |
| Lab ID: 2308G05-003             | Matrix: SOIL                  | Receive           | ed Date: | 8/30/2 | 023 6:30:00 AM       |  |  |  |  |
| Analyses                        | Result                        | RL Qual           | Units    | DF     | Date Analyzed        |  |  |  |  |
| EPA METHOD 8015M/D: DIESEL RANG | E ORGANICS                    |                   |          |        | Analyst: PRD         |  |  |  |  |
| Diesel Range Organics (DRO)     | ND                            | 9.4               | mg/Kg    | 1      | 9/5/2023 9:15:33 PM  |  |  |  |  |
| Motor Oil Range Organics (MRO)  | ND                            | 47                | mg/Kg    | 1      | 9/5/2023 9:15:33 PM  |  |  |  |  |
| Surr: DNOP                      | 82.8                          | 69-147            | %Rec     | 1      | 9/5/2023 9:15:33 PM  |  |  |  |  |
| EPA METHOD 8015D: GASOLINE RANG | <b>BE</b>                     |                   |          |        | Analyst: KMN         |  |  |  |  |
| Gasoline Range Organics (GRO)   | ND                            | 4.7               | mg/Kg    | 1      | 9/5/2023 11:01:00 PM |  |  |  |  |
| Surr: BFB                       | 99.7                          | 15-244            | %Rec     | 1      | 9/5/2023 11:01:00 PM |  |  |  |  |
| EPA METHOD 8021B: VOLATILES     |                               |                   |          |        | Analyst: KMN         |  |  |  |  |
| Benzene                         | ND                            | 0.023             | mg/Kg    | 1      | 9/5/2023 11:01:00 PM |  |  |  |  |
| Toluene                         | ND                            | 0.047             | mg/Kg    | 1      | 9/5/2023 11:01:00 PM |  |  |  |  |
| Ethylbenzene                    | ND                            | 0.047             | mg/Kg    | 1      | 9/5/2023 11:01:00 PM |  |  |  |  |
| Xvienes. Total                  | ND                            | 0.093             | mg/Kg    | 1      | 9/5/2023 11:01:00 PM |  |  |  |  |
| Surr: 4-Bromofluorobenzene      | 90.6                          | 39.1 <b>-14</b> 6 | %Rec     | 1      | 9/5/2023 11:01:00 PM |  |  |  |  |
| EPA METHOD 300.0: ANIONS        |                               |                   |          |        | Analyst: SNS         |  |  |  |  |
| Chloride                        | ND                            | 60                | mg/Kg    | 20     | 9/5/2023 11:24:18 PM |  |  |  |  |

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

Qualifiers:

Received by OCD: 9/11/2023 9:27:52 PM

Value exceeds Maximum Contaminant Level. \* Sample Diluted Due to Matrix D

- Holding times for preparation or analysis exceeded н
- Not Detected at the Reporting Limit ND
- Practical Quanitative Limit PQL

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

- Analyte detected in the associated Method Blank в Above Quantitation Range/Estimated Value
- Е Analyte detected below quantitation limits J
  - Sample pH Not In Range
- Р
- RL Reporting Limit

#### Hall Environmental Analysis Laboratory, Inc.

Date Reported:

| CLIENT: Whiptail Midstream     |                   | Client S | ample ID:  | B-02@  | )1.5-2'              |
|--------------------------------|-------------------|----------|------------|--------|----------------------|
| Project: MC Com 160            |                   | Collec   | tion Date: | 8/25/2 | 023 9:37:00 AM       |
| Lab ID: 2308G05-004            | Matrix: SOIL      | Rece     | ived Date: | 8/30/2 | 023 6:30:00 AM       |
| Analyses                       | Result            | RL Qu    | al Units   | DF     | Date Analyzed        |
| EPA METHOD 8015M/D: DIES       | EL RANGE ORGANICS |          |            |        | Analyst: PRD         |
| Diesel Range Organics (DRO)    | ND                | 9.9      | mg/Kg      | 1      | 9/5/2023 9:26:23 PM  |
| Motor Oil Bange Organics (MRO) | ND                | 50       | mg/Kg      | 1      | 9/5/2023 9:26:23 PM  |
| Surr: DNOP                     | 83.5              | 69-147   | %Rec       | 1      | 9/5/2023 9:26:23 PM  |
| EPA METHOD 8015D: GASOL        | INE RANGE         |          |            |        | Analyst: KMN         |
| Gasoline Range Organics (GRO)  | ND                | 4.8      | mg/Kg      | 1      | 9/5/2023 11:23:00 PM |
| Surr: BFB                      | 98.4              | 15-244   | %Rec       | 1      | 9/5/2023 11:23:00 PM |
| EPA METHOD 8021B: VOLATI       | LES               |          |            |        | Analyst: KMN         |
| Benzene                        | ND                | 0.024    | mg/Kg      | 1      | 9/5/2023 11:23:00 PM |
| Toluene                        | ND                | 0.048    | mg/Kg      | 1      | 9/5/2023 11:23:00 PM |
| Ethylbenzene                   | ND                | 0.048    | mg/Kg      | 1      | 9/5/2023 11:23:00 PM |
| Xvlenes. Total                 | NÐ                | 0.095    | mg/Kg      | 1      | 9/5/2023 11:23:00 PM |
| Surr: 4-Bromofluorobenzene     | 89.2              | 39.1-146 | %Rec       | 1      | 9/5/2023 11:23:00 PM |
| EPA METHOD 300.0: ANIONS       |                   |          |            |        | Analyst: SNS         |
| Chloride                       | ND                | 61       | mg/Kg      | 20     | 9/5/2023 11:36:42 PM |

Chloride

**Qualifiers:** 

Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix

\*

- Holding times for preparation or analysis exceeded н
- ND Not Detected at the Reporting Limit
- Practical Quanitative Limit PQL
- % Recovery outside of standard limits. If undiluted results may be estimated. S
- Analyte detected in the associated Method Blank в
- Above Quantitation Range/Estimated Value Ε Analyte detected below quantitation limits
- J

- Р Sample pH Not In Range
- RL Reporting Limit

## Hall Environmental Analysis Laboratory, Inc.

Date Reported:

| CLIENT:  | Whiptail Midstream     |               | Client Sa | ample ID:  | B-03@   | 0-0.5'               |
|----------|------------------------|---------------|-----------|------------|---------|----------------------|
| Project: | MC Com 160             |               | Collect   | tion Date: | 8/25/20 | 023 9:44:00 AM       |
| Lab ID:  | 2308G05-005            | Matrix: SOIL  | Recei     | ved Date:  | 8/30/20 | 023 6:30:00 AM       |
| Analyses |                        | Result        | RL Qua    | l Units    | DF      | Date Analyzed        |
| FPA MET  | HOD 8015M/D: DIESEL R  | ANGE ORGANICS |           |            |         | Analyst: PRD         |
| Diesel R | ange Organics (DRO)    | ND            | 9.4       | mg/Kg      | 1       | 9/5/2023 9:37:12 PM  |
| Motor Oi | Range Organics (MRO)   | ND            | 47        | mg/Kg      | 1       | 9/5/2023 9:37:12 PM  |
| Surr: [  | DNOP                   | 80.6          | 69-147    | %Rec       | 1       | 9/5/2023 9:37:12 PM  |
| EPA ME   | THOD 8015D: GASOLINE F | RANGE         |           |            |         | Analyst: KMN         |
| Gasoline | Range Organics (GRO)   | ND            | 4.8       | mg/Kg      | 1       | 9/5/2023 11:45:00 PM |
| Surr: I  | 3FB                    | 98.3          | 15-244    | %Rec       | 1       | 9/5/2023 11:45:00 PM |
| FPA ME   | THOD 8021B: VOLATILES  |               |           |            |         | Analyst: KMN         |
| Bonzene  |                        | ND            | 0.024     | mg/Kg      | 1       | 9/5/2023 11:45:00 PM |
| Toluene  | •                      | ND            | 0.048     | mg/Kg      | 1       | 9/5/2023 11:45:00 PM |
| Ethylben | 7606                   | ND            | 0.048     | mg/Kg      | 1       | 9/5/2023 11:45:00 PM |
| Xvlenes  | Total                  | ND            | 0.096     | mg/Kg      | 1       | 9/5/2023 11:45:00 PM |
| Surr:    | 4-Bromofluorobenzene   | 90.5          | 39.1-146  | %Rec       | 1       | 9/5/2023 11:45:00 PM |
| EPA ME   | THOD 300.0: ANIONS     |               |           |            |         | Analyst: SNS         |
| Chloride |                        | ND            | 60        | mg/Kg      | 20      | 9/5/2023 11:49:07 PM |

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

Qualifiers:

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

## Hall Environmental Analysis Laboratory, Inc.

Date Reported:

| CLIENT:  | Whiptail Midstream       |              | Client Sa | mple ID: | B-03@   | 1.5-2'               |
|----------|--------------------------|--------------|-----------|----------|---------|----------------------|
| Project: | MC Com 160               |              | Collecti  | on Date: | 8/25/20 | )23 9:49:00 AM       |
| Lab ID:  | 2308G05-006              | Matrix: SOIL | Receiv    | ed Date: | 8/30/20 | 023 6:30:00 AM       |
| Analyses |                          | Result       | RL Qual   | Units    | DF      | Date Analyzed        |
| FPA ME   | THOD 8015M/D: DIESEL RAN | GE ORGANICS  |           |          |         | Analyst: PRD         |
| Diesel R | ance Organics (DRO)      | ND           | 9.6       | mg/Kg    | 1       | 9/5/2023 9:48:06 PM  |
| Motor Oi | l Range Organics (MRO)   | ND           | 48        | mg/Kg    | 1       | 9/5/2023 9:48:06 PM  |
| Surr: 1  | DNOP                     | 81.7         | 69-147    | %Rec     | 1       | 9/5/2023 9:48:06 PM  |
| EDA ME   | THOD 8015D: GASOLINE RA  | NGE          |           |          |         | Analyst: KMN         |
| Concline |                          | ND           | 4.8       | mg/Kg    | 1       | 9/6/2023 12:06:00 AM |
| Surr     | BFB                      | 101          | 15-244    | %Rec     | 1       | 9/6/2023 12:06:00 AM |
|          |                          |              |           |          |         | Analyst: KMN         |
| Bonzon   |                          | ND           | 0.024     | mg/Kg    | 1       | 9/6/2023 12:06:00 AM |
| Toluene  |                          | ND           | 0.048     | mg/Kg    | 1       | 9/6/2023 12:06:00 AM |
| Ethylber | 17606                    | ND           | 0.048     | mg/Kg    | 1       | 9/6/2023 12:06:00 AM |
| Xvienes  | Total                    | ND           | 0.096     | mg/Kg    | 1       | 9/6/2023 12:06:00 AM |
| Surr:    | 4-Bromofluorobenzene     | 93.4         | 39.1-146  | %Rec     | 1       | 9/6/2023 12:06:00 AM |
|          | THOD 300.0: ANIONS       |              |           |          |         | Analyst: SNS         |
| Chloride |                          | ND           | 60        | mg/Kg    | 20      | 9/6/2023 12:01:32 AM |
|          |                          |              |           |          |         |                      |

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

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

## Hall Environmental Analysis Laboratory, Inc.

Date Reported:

|                   |                        |               | Climet C | ample ID:  | $\mathbf{D} \mathbf{M} \mathbf{a}$ | 0.5-11               |
|-------------------|------------------------|---------------|----------|------------|------------------------------------|----------------------|
| CLIENT:           | Whiptail Midstream     |               | Client S | ample ID:  | D-04@                              | 0.5-1                |
| Project:          | MC Com 160             |               | Collect  | tion Date: | 8/25/20                            | )23 9:58:00 AM       |
| Lab ID:           | 2308G05-007            | Matrix: SOIL  | Recei    | ved Date:  | 8/30/20                            | 023 6:30:00 AM       |
| Analyses          |                        | Result        | RL Qua   | ıl Units   | DF                                 | Date Analyzed        |
| EPA MET           | HOD 8015M/D: DIESEL RA | ANGE ORGANICS |          |            |                                    | Analyst: PRD         |
| Diocol Pr         |                        | ND            | 9.8      | mg/Kg      | 1                                  | 9/5/2023 9:58:56 PM  |
| Motor Oil         | Range Organics (MRO)   | ND            | 49       | mg/Kg      | 1                                  | 9/5/2023 9:58:56 PM  |
| Surr: E           | NOP                    | 79.6          | 69-147   | %Rec       | 1                                  | 9/5/2023 9:58:56 PM  |
|                   | THOD 8015D' GASOLINE R | ANGE          |          |            |                                    | Analyst: KMN         |
|                   |                        | ND            | 5.0      | ma/Ka      | 1                                  | 9/6/2023 12:28:00 AM |
| Gasonne<br>Surr F | SFR                    | 100           | 15-244   | %Rec       | 1                                  | 9/6/2023 12:28:00 AM |
|                   |                        |               |          |            |                                    | Analyst: KMN         |
| EFA ME            | THOD BUZID. VOLATILLO  | ND            | 0.025    | mg/Kg      | 1                                  | 9/6/2023 12:28:00 AM |
| Teluene           |                        | ND            | 0.050    | mg/Kg      | 1                                  | 9/6/2023 12:28:00 AM |
| I oluene          |                        | ND            | 0.050    | ma/Ka      | 1                                  | 9/6/2023 12:28:00 AM |
| Ethylben          | zene                   | ND            | 0.10     | ma/Ka      | 1                                  | 9/6/2023 12:28:00 AM |
| Xylenes,          |                        | 01.3          | 30.1-146 | %Rec       | 1                                  | 9/6/2023 12:28:00 AM |
| Surr: 4           | 4-Bromofluorobenzene   | 91.5          | 59.1-140 | 701100     | •                                  | Analysis ONO         |
| EPA ME            | THOD 300.0: ANIONS     |               |          |            |                                    | Analyst: SNS         |
| Chloride          |                        | ND            | 60       | mg/Kg      | 20                                 | 9/6/2023 12:13:56 AM |

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

Qualifiers:

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

Lab Order 2308G05

Date Reported:

## Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** Whiptail Midstream

MC Com 160

Project:

Client Sample ID: B-04@1.5-2' Collection Date: 8/25/2023 10:02:00 AM d Data: 8/30/2023 6.30.00 AM

| Lab ID: 2308G05-008             | Matrix: SOIL | Rece     | ived Date: | 8/30/2 | 023 0.30.00 AM       |
|---------------------------------|--------------|----------|------------|--------|----------------------|
| Analyses                        | Result       | RL Qua   | al Units   | DF     | Date Analyzed        |
| FPA METHOD 8015M/D: DIESEL RANG | SE ORGANICS  |          |            |        | Analyst: PRD         |
| Diocol Ronge Organics (DRO)     | ND           | 9.9      | mg/Kg      | 1      | 9/5/2023 10:09:51 PM |
| Motor Oil Pange Organics (MRO)  | ND           | 49       | mg/Kg      | 1      | 9/5/2023 10:09:51 PM |
| Surr: DNOP                      | 84.1         | 69-147   | %Rec       | 1      | 9/5/2023 10:09:51 PM |
| EPA METHOD 8015D: GASOLINE RAN  | IGE          |          |            |        | Analyst: KMN         |
| Catalina Banga Organias (GBO)   | ND           | 4.8      | ma/Ka      | 1      | 9/6/2023 12:50:00 AM |
| Surr BEB                        | 96.0         | 15-244   | %Rec       | 1      | 9/6/2023 12:50:00 AM |
| EPA METHOD 8021B: VOI ATILES    |              |          |            |        | Analyst: KMN         |
| Ponzono                         | ND           | 0.024    | mg/Kg      | 1      | 9/6/2023 12:50:00 AM |
| Toluene                         | ND           | 0.048    | mg/Kg      | 1      | 9/6/2023 12:50:00 AM |
| Fibylenzene                     | ND           | 0.048    | mg/Kg      | 1      | 9/6/2023 12:50:00 AM |
| Yulopes Total                   | ND           | 0.096    | mg/Kg      | 1      | 9/6/2023 12:50:00 AM |
| Surr: 4-Bromofluorobenzene      | 87.9         | 39.1-146 | %Rec       | 1      | 9/6/2023 12:50:00 AM |
| EPA METHOD 300 0: ANIONS        |              |          |            |        | Analyst: SNS         |
| Chloride                        | ND           | 59       | mg/Kg      | 20     | 9/6/2023 10:13:50 AM |

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

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

Lab Order 2308G05

Date Reported:

## Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: B-05@0-0 5'

| CLIENT: Whiptail Midstream      | m Client Sample ID: B-05@0-0.5' |          |           |         |                      |  |  |  |  |
|---------------------------------|---------------------------------|----------|-----------|---------|----------------------|--|--|--|--|
| Project: MC Com 160             |                                 | Collecti | ion Date: | 8/25/20 | 023 10:09:00 AM      |  |  |  |  |
| Lab ID: 2308G05-009             | Matrix: SOIL                    | Receiv   | ed Date:  | 8/30/20 | 023 6:30:00 AM       |  |  |  |  |
| Analyses                        | Result                          | RL Qual  | Units     | DF      | Date Analyzed        |  |  |  |  |
| EPA METHOD 8015M/D: DIESEL RANG | E ORGANICS                      |          |           |         | Analyst: PRD         |  |  |  |  |
| Diesel Range Organics (DRO)     | ND                              | 9.4      | mg/Kg     | 1       | 9/5/2023 10:20:48 PM |  |  |  |  |
| Motor Oil Range Organics (MRO)  | ND                              | 47       | mg/Kg     | 1       | 9/5/2023 10:20:48 PM |  |  |  |  |
| Surr: DNOP                      | 84.5                            | 69-147   | %Rec      | 1       | 9/5/2023 10:20:48 PM |  |  |  |  |
| FPA METHOD 8015D: GASOLINE RAN  | GE                              |          |           |         | Analyst: KMN         |  |  |  |  |
| Casolino Pango Organics (GPO)   | ND                              | 4.8      | mg/Kg     | 1       | 9/6/2023 1:11:00 AM  |  |  |  |  |
| Surr: BFB                       | 100                             | 15-244   | %Rec      | 1       | 9/6/2023 1:11:00 AM  |  |  |  |  |
| EPA METHOD 8021B. VOLATILES     |                                 |          |           |         | Analyst: KMN         |  |  |  |  |
| Bonzene                         | ND                              | 0.024    | mg/Kg     | 1       | 9/6/2023 1:11:00 AM  |  |  |  |  |
| Toluene                         | ND                              | 0.048    | mg/Kg     | 1       | 9/6/2023 1:11:00 AM  |  |  |  |  |
| Ethylenzene                     | ND                              | 0.048    | mg/Kg     | 1       | 9/6/2023 1:11:00 AM  |  |  |  |  |
| Xvlenes Total                   | NĎ                              | 0.097    | mg/Kg     | 1       | 9/6/2023 1:11:00 AM  |  |  |  |  |
| Surr: 4-Bromofluorobenzene      | 88.9                            | 39.1-146 | %Rec      | 1       | 9/6/2023 1:11:00 AM  |  |  |  |  |
| EPA METHOD 300 0: ANIONS        |                                 |          |           |         | Analyst: SNS         |  |  |  |  |
| Chloride                        | ND                              | 60       | mg/Kg     | 20      | 9/6/2023 10:51:03 AM |  |  |  |  |

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

**Qualifiers:** 

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

Lab Order 2308G05

Date Reported:

## Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** Whiptail Midstream

Project: MC Com 160

Client Sample ID: B-05@1.5-2' Collection Date: 8/25/2023 10:14:00 AM

| Lab ID: 2308G05-010             | Matrix: SOIL | Receiv   | ved Date: | 8/30/2 | 023 6:30:00 AM       |
|---------------------------------|--------------|----------|-----------|--------|----------------------|
| Analyses                        | Result       | RL Qua   | Units     | DF     | Date Analyzed        |
| EPA METHOD 8015M/D: DIESEL RANG | GE ORGANICS  |          |           |        | Analyst: PRD         |
| Diosol Rango Organics (DRO)     | ND           | 9.6      | mg/Kg     | 1      | 9/5/2023 10:31:47 PM |
| Motor Oil Pange Organics (MRO)  | ND           | 48       | mg/Kg     | 1      | 9/5/2023 10:31:47 PM |
| Surr: DNOP                      | 91.2         | 69-147   | %Rec      | 1      | 9/5/2023 10:31:47 PM |
| EPA METHOD 8015D: GASOLINE RAN  | IGE          |          |           |        | Analyst: KMN         |
| Capeline Bange Organics (CPO)   | ND           | 4.9      | mg/Kg     | 1      | 9/6/2023 1:33:00 AM  |
| Surr: BFB                       | 105          | 15-244   | %Rec      | 1      | 9/6/2023 1:33:00 AM  |
| EDA METHOD 8021B: VOI ATILES    |              |          |           |        | Analyst: KMN         |
| Parana                          | ND           | 0.024    | ma/Ka     | 1      | 9/6/2023 1:33:00 AM  |
| Benzene                         | ND           | 0.049    | ma/Ka     | 1      | 9/6/2023 1:33:00 AM  |
| Toluene<br>Ethydhanzana         | ND           | 0.049    | mg/Kg     | 1      | 9/6/2023 1:33:00 AM  |
|                                 | ND           | 0.098    | mg/Kg     | 1      | 9/6/2023 1:33:00 AM  |
| Surr: A-Bromofluorobenzene      | 89.8         | 39.1-146 | %Rec      | 1      | 9/6/2023 1:33:00 AM  |
| EPA METHOD 300.0: ANIONS        |              |          |           |        | Analyst: SNS         |
| Chloride                        | 61           | 60       | mg/Kg     | 20     | 9/6/2023 11:28:17 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

Lab Order 2308G05

Date Reported:

## Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** Whiptail Midstream

**Project:** 

MC Com 160

Client Sample ID: B-06@0.5-1' Collection Date: 8/25/2023 10:24:00 AM 1 D.4., 8/20/2022 6.20.00 AM

| Lab ID: 2308G05-011            | Matrix: SOIL | Rece     | ived Date: | 8/30/20 | 023 6:30:00 AM       |
|--------------------------------|--------------|----------|------------|---------|----------------------|
| Analyses                       | Result       | RL Qua   | al Units   | DF      | Date Analyzed        |
| ERA METHOD 8015M/D: DIESEL RAN | IGE ORGANICS |          |            |         | Analyst: PRD         |
| Discol Rongo Organics (DBO)    | ND           | 9.7      | mg/Kg      | 1       | 9/5/2023 10:53:30 PM |
| Meter Oil Pango Organics (MRO) | ND           | 49       | mg/Kg      | 1       | 9/5/2023 10:53:30 PM |
| Surr: DNOP                     | 82.1         | 69-147   | %Rec       | 1       | 9/5/2023 10:53:30 PM |
| EDA METHOD 8015D: GASOLINE RA  | NGE          |          |            |         | Analyst: KMN         |
| EPA METHOD 8013D. GASOLINE INA |              | 48       | ma/Ka      | 1       | 9/6/2023 2:16:00 AM  |
| Gasoline Range Organics (GRO)  | 97.6         | 15-244   | %Rec       | 1       | 9/6/2023 2:16:00 AM  |
|                                |              |          |            |         | Analyst: KMN         |
| EPA METHOD 8021B: VOLATILES    |              | 0.024    | ma/Ka      | 1       | 9/6/2023 2:16:00 AM  |
| Benzene                        | ND           | 0.024    | ma/Ka      | 1       | 9/6/2023 2:16:00 AM  |
| Toluene                        |              | 0.040    | mg/Kg      | 1       | 9/6/2023 2:16:00 AM  |
| Ethylbenzene                   | ND           | 0.048    | mg/Kg      | 1       | 9/6/2023 2:16:00 AM  |
| Xylenes, Total                 | ND           | 0.095    | mg/kg      | 1       | 0/6/2023 2:16:00 AM  |
| Surr: 4-Bromofluorobenzene     | 89.4         | 39.1-146 | %Rec       | 1       | 9/0/2023 2. 10.00 AW |
| EPA METHOD 300.0: ANIONS       |              |          |            |         | Analyst: SNS         |
| Chloride                       | ND           | 59       | mg/Kg      | 20      | 9/6/2023 11:40:42 AM |

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

Value exceeds Maximum Contaminant Level \* **Qualifiers:** 

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

Received by OCD: 9/11/2023 9:27:52 PM

Qualifiers:

**Analytical Report** 

Lab Order 2308G05

Date Reported:

## Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** Whiptail Midstream

Project:

MC Com 160

Client Sample ID: B-06@1.5-2' Collection Date: 8/25/2023 10:28:00 AM Received Date: 8/30/2023 6:30:00 AM

| Lah ID: 2308G05-012             | Matrix: SOIL | Recei    | ved Date: | 0/30/20 |                      |
|---------------------------------|--------------|----------|-----------|---------|----------------------|
|                                 | Result       | RL Qua   | l Units   | DF      | Date Analyzed        |
| Analyses                        |              |          |           |         | Analyst: PRD         |
| EPA METHOD 8015M/D: DIESEL RANG | EORGANICS    |          |           | 4       | 0/5/2023 11:04-31 PM |
| Diesel Range Organics (DRO)     | ND           | 9.8      | mg/Kg     | 1       | 0/5/2023 11:04:31 PM |
| Motor Oil Range Organics (MRO)  | ND           | 49       | mg/Kg     | 1       | 9/5/2023 11:04:31 FW |
| Surr: DNOP                      | 80.3         | 69-147   | %Rec      | 1       | 9/5/2023 11:04:31 PM |
|                                 | 25           |          |           |         | Analyst: KMN         |
| EPA METHOD 8015D: GASOLINE RANG | 36           | 47       | malKa     | 1       | 9/6/2023 2:38:00 AM  |
| Gasoline Range Organics (GRO)   | ND           | 4.7      | 0/Pee     | 1       | 9/6/2023 2:38:00 AM  |
| Surr: BFB                       | 102          | 15-244   | 70 Rec    |         |                      |
| EDA METHOD 8021B: VOI ATILES    |              |          |           |         | Analyst: KMN         |
| EPA METHOD 00218. VOLKMELC      | ND           | 0.023    | mg/Kg     | 1       | 9/6/2023 2:38:00 AM  |
| Benzene                         | ND           | 0.047    | ma/Ka     | 1       | 9/6/2023 2:38:00 AM  |
| Toluene                         |              | 0.047    | ma/Ka     | 1       | 9/6/2023 2:38:00 AM  |
| Ethylbenzene                    | ND           | 0.047    | mg/Kg     | 1       | 9/6/2023 2:38:00 AM  |
| Xylenes, Total                  | ND           | 0.094    | M Dec     | 1       | 9/6/2023 2:38:00 AM  |
| Surr: 4-Bromofluorobenzene      | 90.8         | 39.1-146 | %Rec      |         | 5/6/2020 2:00:00 1 1 |
| FDA METHOD 200 0: ANIONS        |              |          |           |         | Analyst: SNS         |
| EPA METROD 300.0. AMONO         | ND           | 60       | ma/Ka     | 20      | 9/6/2023 12:17:55 PM |
| Chloride                        | ND           |          |           |         |                      |

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

Value exceeds Maximum Contaminant Level \*

Sample Diluted Due to Matrix D

Holding times for preparation or analysis exceeded н

Not Detected at the Reporting Limit ND

Practical Quanitative Limit PQL

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

- Analyte detected in the associated Method Blank в
- Above Quantitation Range/Estimated Value E Analyte detected below quantitation limits
- J Sample pH Not In Range
- Р
- Reporting Limit RL

Lab Order 2308G05

Date Reported:

### Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** Whiptail Midstream

Project: MC Com 160

Client Sample ID: B-07@0.5-1' Collection Date: 8/25/2023 10:41:00 AM 8/30/2023 6·30·00 AM 1.0.4.

| Lab ID: 2308G05-013             | Matrix: SOIL | Recei     | ved Date: | 8/30/2 | 023 6:30:00 AM          |
|---------------------------------|--------------|-----------|-----------|--------|-------------------------|
| Analyses                        | Result       | RL Qua    | l Units   | DF     | Date Analyzed           |
| EDA METHOD RALEMID: DIESEL BANG | EORGANICS    |           |           |        | Analyst: PRD            |
| EPA METHOD 8015WID. DIESEL RANG |              | 07        | ma/Ka     | 1      | 9/5/2023 11:15:31 PM    |
| Diesel Range Organics (DRO)     |              | 9.7<br>40 | mg/Kg     | 1      | 9/5/2023 11:15:31 PM    |
| Motor Oil Range Organics (MRO)  |              | 49        | %Rec      | 1      | 9/5/2023 11:15:31 PM    |
| Surr: DNOP                      | 81.4         | 69-147    | 701100    | •      |                         |
| EPA METHOD 8015D: GASOLINE RANG | GE           |           |           |        | Analyst: KMN            |
| Gasoline Range Organics (GRO)   | ND           | 5.0       | mg/Kg     | 1      | 9/6/2023 3:00:00 AM     |
| Sure REB                        | 101          | 15-244    | %Rec      | 1      | 9/6/2023 3:00:00 AM     |
| 301. D D                        |              |           |           |        | Analyst: KMN            |
| EPA METHOD 8021B: VOLATILES     |              |           |           |        | 0/6/2022 2:00:00 AM     |
| Benzene                         | ND           | 0.025     | mg/Kg     | 1      | 9/6/2023 3.00.00 AM     |
| Toluene                         | ND           | 0.050     | mg/Kg     | 1      | 9/6/2023 3:00:00 AM     |
| Ethylbenzene                    | ND           | 0.050     | mg/Kg     | 1      | 9/6/2023 3:00:00 AM     |
| Xvlenes. Total                  | ND           | 0.10      | mg/Kg     | 1      | 9/6/2023 3:00:00 AM     |
| Surr: 4-Bromofluorobenzene      | 91.6         | 39.1-146  | %Rec      | 1      | 9/6/2023 3:00:00 AM     |
|                                 |              |           |           |        | Analyst: SNS            |
| EPA METHOD 300.0: ANIONS        |              | <u>co</u> | malka     | 20     | 9/6/2023 12:30:19 PM    |
| Chloride                        | ND           | 60        | mg/Kg     | 20     | 5,6/2020 12:00:10 T III |

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

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

Lab Order 2308G05

Date Reported:

## Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** Whiptail Midstream

Project: MC Com 160

Client Sample ID: B-07@1.5-2' Collection Date: 8/25/2023 10:45:00 AM 

| Lab ID: 2308G05-014                                                                                               | Matrix: SOIL           | Recei                                        | ived Date:                      | 8/30/2           | 023 6:30:00 AM                                                                                                                  |
|-------------------------------------------------------------------------------------------------------------------|------------------------|----------------------------------------------|---------------------------------|------------------|---------------------------------------------------------------------------------------------------------------------------------|
| Analyses                                                                                                          | Result                 | RL Qu                                        | al Units                        | DF               | Date Analyzed                                                                                                                   |
| EPA METHOD 8015M/D: DIESEL RANG                                                                                   | SE ORGANICS            |                                              |                                 |                  | Analyst: PRD                                                                                                                    |
| Diesel Range Organics (DRO)<br>Motor Oil Range Organics (MRO)<br>Surr: DNOP                                       | ND<br>ND<br>80.4       | 8.9<br>44<br>69-147                          | mg/Kg<br>mg/Kg<br>%Rec          | 1<br>1<br>1      | 9/5/2023 11:26:34 PM<br>9/5/2023 11:26:34 PM<br>9/5/2023 11:26:34 PM                                                            |
| EPA METHOD 8015D: GASOLINE RAN<br>Gasoline Range Organics (GRO)<br>Surr: BFB                                      | IGE<br>ND<br>96.1      | 5.0<br>15-244                                | mg/Kg<br>%Rec                   | 1<br>1           | Analyst: KMN<br>9/6/2023 3:21:00 AM<br>9/6/2023 3:21:00 AM                                                                      |
| EPA METHOD 8021B: VOLATILES<br>Benzene<br>Toluene<br>Ethylbenzene<br>Xylenes, Total<br>Surr: 4-Bromofluorobenzene | ND<br>ND<br>ND<br>88.2 | 0.025<br>0.050<br>0.050<br>0.099<br>39.1-146 | mg/Kg<br>mg/Kg<br>mg/Kg<br>%Rec | 1<br>1<br>1<br>1 | Analyst: KMN<br>9/6/2023 3:21:00 AM<br>9/6/2023 3:21:00 AM<br>9/6/2023 3:21:00 AM<br>9/6/2023 3:21:00 AM<br>9/6/2023 3:21:00 AM |
| EPA METHOD 300.0: ANIONS<br>Chloride                                                                              | ND                     | 60                                           | mg/Kg                           | 20               | Analyst: SNS<br>9/6/2023 12:42:43 PM                                                                                            |

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

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

Received by OCD: 9/11/2023 9:27:52 PM

**Analytical Report** 

Lab Order 2308G05

Date Reported:

# Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** Whiptail Midstream

Client Sample ID: B-08@1-1.5' Collection Date: 8/25/2023 10:58:00 AM

| Project:<br>Lab ID:                                          | MC Com 160<br>2308G05-015                                             | Matrix: SOIL           | Received Date: 8/30/2023 6:30:00 AM          |                                          |                  |                                                                                                                 |  |  |
|--------------------------------------------------------------|-----------------------------------------------------------------------|------------------------|----------------------------------------------|------------------------------------------|------------------|-----------------------------------------------------------------------------------------------------------------|--|--|
|                                                              |                                                                       | Result                 | RL Qua                                       | l Units                                  | DF               | Date Analyzed                                                                                                   |  |  |
|                                                              |                                                                       | PANCE ORGANICS         |                                              |                                          |                  | Analyst: PRD                                                                                                    |  |  |
| EPA ME<br>Diesel R<br>Motor Oi                               | THOD 8015M/D: DIESEL<br>ange Organics (DRO)<br>I Range Organics (MRO) | ND<br>ND<br>81.2       | 10<br>50<br>69-147                           | mg/Kg<br>mg/Kg<br>%Rec                   | 1<br>1<br>1      | 9/5/2023 11:37:46 PM<br>9/5/2023 11:37:46 PM<br>9/5/2023 11:37:46 PM                                            |  |  |
| Surr:                                                        |                                                                       | PANGE                  |                                              |                                          |                  | Analyst: KMN                                                                                                    |  |  |
| Gasoline                                                     | Range Organics (GRO)                                                  | ND<br>102              | 4.9<br>15-244                                | mg/Kg<br>%Rec                            | 1<br>1           | 9/6/2023 3:43:00 AM<br>9/6/2023 3:43:00 AM                                                                      |  |  |
| Surr:                                                        |                                                                       | :e                     |                                              |                                          |                  | Analyst: KMN                                                                                                    |  |  |
| EPA ME<br>Benzend<br>Toluene<br>Ethylber<br>Xylenes<br>Surr: | nzene<br>, Total<br>4-Bromofluorobenzene                              | ND<br>ND<br>ND<br>91.4 | 0.024<br>0.049<br>0.049<br>0.098<br>39.1-146 | mg/Kg<br>mg/Kg<br>mg/Kg<br>mg/Kg<br>%Rec | 1<br>1<br>1<br>1 | 9/6/2023 3:43:00 AM<br>9/6/2023 3:43:00 AM<br>9/6/2023 3:43:00 AM<br>9/6/2023 3:43:00 AM<br>9/6/2023 3:43:00 AM |  |  |
| EPA ME<br>Chloride                                           | THOD 300.0: ANIONS                                                    | ND                     | 60                                           | mg/Kg                                    | 20               | Analyst: SNS<br>9/6/2023 12:55:08 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

Chloride

**Analytical Report** 

Lab Order 2308G05

#### Hall Environmental Analysis Laboratory, Inc.

Date Reported:

| CLIENT: Whiptail Midstream     |              | Client S | ample ID:  | B-08@  | )1.5-2'              |
|--------------------------------|--------------|----------|------------|--------|----------------------|
| Project: MC Com 160            |              | Collec   | tion Date: | 8/25/2 | 023 11:00:00 AM      |
| Lab ID: 2308G05-016            | Matrix: SOIL | Rece     | ived Date: | 8/30/2 | 023 6:30:00 AM       |
| Analyses                       | Result       | RL Qua   | al Units   | DF     | Date Analyzed        |
| EPA METHOD 8015M/D: DIESEL RAM | IGE ORGANICS |          |            |        | Analyst: PRD         |
| Diesel Range Organics (DRO)    | ND           | 9.1      | mg/Kg      | 1      | 9/5/2023 11:48:58 PM |
| Motor Oil Range Organics (MRO) | ND           | 46       | mg/Kg      | 1      | 9/5/2023 11:48:58 PM |
| Surr: DNOP                     | 80.6         | 69-147   | %Rec       | 1      | 9/5/2023 11:48:58 PM |
| EPA METHOD 8015D: GASOLINE RA  | NGE          |          |            |        | Analyst: KMN         |
| Gasoline Range Organics (GRO)  | ND           | 5.0      | mg/Kg      | 1      | 9/6/2023 4:05:00 AM  |
| Surr: BFB                      | 103          | 15-244   | %Rec       | 1      | 9/6/2023 4:05:00 AM  |
| EPA METHOD 8021B: VOLATILES    |              |          |            |        | Analyst: KMN         |
| Benzene                        | ND           | 0.025    | mg/Kg      | 1      | 9/6/2023 4:05:00 AM  |
| Toluene                        | ND           | 0.050    | mg/Kg      | 1      | 9/6/2023 4:05:00 AM  |
| Ethvibenzene                   | ND           | 0.050    | mg/Kg      | 1      | 9/6/2023 4:05:00 AM  |
| Xvlenes. Total                 | ND           | 0.099    | mg/Kg      | 1      | 9/6/2023 4:05:00 AM  |
| Surr: 4-Bromofluorobenzene     | 92.5         | 39.1-146 | %Rec       | 1      | 9/6/2023 4:05:00 AM  |
| EPA METHOD 300.0: ANIONS       |              |          |            |        | Analyst: SNS         |
| Chloride                       | ND           | 60       | mg/Kg      | 20     | 9/6/2023 1:07:33 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
- Holding times for preparation or analysis exceeded н
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of standard limits. If undiluted results may be estimated. s
- Analyte detected in the associated Method Blank в
- Е Above Quantitation Range/Estimated Value
- Analyte detected below quantitation limits J
- Sample pH Not In Range Р
- RL Reporting Limit

Lab Order 2308G05

Date Reported:

## Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** Whiptail Midstream

**Project:** 

MC Com 160

Client Sample ID: B-09@1-1.5' Collection Date: 8/25/2023 11:18:00 AM . . . . . . . .

| Lab ID: 2308G05-017            | Matrix: SOIL | Rece     | ived Date: | 8/30/2 | 023 6:30:00 AM       |
|--------------------------------|--------------|----------|------------|--------|----------------------|
| Analyses                       | Result       | RL Qu    | al Units   | DF     | Date Analyzed        |
| EPA METHOD 8015M/D: DIESEL RAN | IGE ORGANICS |          |            |        | Analyst: PRD         |
| Diesel Range Organics (DRO)    | ND           | 9.9      | mg/Kg      | 1      | 9/6/2023 12:00:09 AM |
| Motor Oil Range Organics (MRO) | ND           | 49       | mg/Kg      | 1      | 9/6/2023 12:00:09 AM |
| Sur: DNOP                      | 83.7         | 69-147   | %Rec       | 1      | 9/6/2023 12:00:09 AM |
| FPA METHOD 8015D: GASOLINE RA  | NGE          |          |            |        | Analyst: KMN         |
| Casoline Pange Organics (GRO)  | ND           | 4.7      | mg/Kg      | 1      | 9/6/2023 4:27:00 AM  |
| Surr: BFB                      | 102          | 15-244   | %Rec       | 1      | 9/6/2023 4:27:00 AM  |
| FPA METHOD 8021B: VOLATILES    |              |          |            |        | Analyst: KMN         |
| Benzene                        | ND           | 0.023    | mg/Kg      | 1      | 9/6/2023 4:27:00 AM  |
| Toluene                        | ND           | 0.047    | mg/Kg      | 1      | 9/6/2023 4:27:00 AM  |
| Fthylbenzene                   | ND           | 0.047    | mg/Kg      | 1      | 9/6/2023 4:27:00 AM  |
| Xvienes Total                  | ND           | 0.094    | mg/Kg      | 1      | 9/6/2023 4:27:00 AM  |
| Surr: 4-Bromofluorobenzene     | 91.6         | 39.1-146 | %Rec       | 1      | 9/6/2023 4:27:00 AM  |
| EPA METHOD 300.0: ANIONS       |              |          |            |        | Analyst: SNS         |
| Chloride                       | ND           | 61       | mg/Kg      | 20     | 9/6/2023 1:19:57 PM  |
|                                |              |          |            |        |                      |

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

Qualifiers:

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

Lab Order 2308G05

Date Reported:

## Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: B-09@1.5-2'

| CLIENT: Whiptail Midstream      |              | Client S | ample ID:  | B-09@   | (1.5-2)              |
|---------------------------------|--------------|----------|------------|---------|----------------------|
| Project: MC Com 160             |              | Collec   | tion Date: | 8/25/20 | 023 11:21:00 AM      |
| Lab ID: 2308G05-018             | Matrix: SOIL | Rece     | ived Date: | 8/30/20 | 023 6:30:00 AM       |
| Analyses                        | Result       | RL Qu    | al Units   | DF      | Date Analyzed        |
| FPA METHOD 8015M/D: DIESEL RANG | GE ORGANICS  |          |            |         | Analyst: PRD         |
| Diesel Bange Organics (DBO)     | ND           | 9.2      | mg/Kg      | 1       | 9/6/2023 12:11:15 AM |
| Motor Oil Bange Organics (MRO)  | ND           | 46       | mg/Kg      | 1       | 9/6/2023 12:11:15 AM |
| Sur: DNOP                       | 78.4         | 69-147   | %Rec       | 1       | 9/6/2023 12:11:15 AM |
| FPA METHOD 8015D: GASOLINE RAN  | IGE          |          |            |         | Analyst: KMN         |
| Casoline Range Organics (GRO)   | ND           | 4.7      | mg/Kg      | 1       | 9/6/2023 4:48:00 AM  |
| Surr: BFB                       | 98.7         | 15-244   | %Rec       | 1       | 9/6/2023 4:48:00 AM  |
| FPA METHOD 8021B: VOLATILES     |              |          |            |         | Analyst: KMN         |
| Benzene                         | ND           | 0.024    | mg/Kg      | 1       | 9/6/2023 4:48:00 AM  |
|                                 | ND           | 0.047    | mg/Kg      | 1       | 9/6/2023 4:48:00 AM  |
| Ethylbenzene                    | ND           | 0.047    | mg/Kg      | 1       | 9/6/2023 4:48:00 AM  |
| Xvlenes Total                   | ND           | 0.094    | mg/Kg      | 1       | 9/6/2023 4:48:00 AM  |
| Surr: 4-Bromofluorobenzene      | 89.9         | 39.1-146 | %Rec       | 1       | 9/6/2023 4:48:00 AM  |
| FPA METHOD 300.0: ANIONS        |              |          |            |         | Analyst: SNS         |
| Chloride                        | ND           | 60       | mg/Kg      | 20      | 9/6/2023 1:32:22 PM  |

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

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

Lab Order 2308G05

Date Reported:

## Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: B-10@1-1.5'

| <b>CLIENT:</b> Whiptail Midstream |                                        | Client Sa | ample ID:  | B-10@   | )1-1.5'              |  |  |
|-----------------------------------|----------------------------------------|-----------|------------|---------|----------------------|--|--|
| Project: MC Com 160               | Collection Date: 8/25/2023 11:33:00 AM |           |            |         |                      |  |  |
| Lab ID: 2308G05-019               | Matrix: SOIL                           | Recei     | ived Date: | 8/30/20 | 023 6:30:00 AM       |  |  |
| Analyses                          | Result                                 | RL Qua    | al Units   | DF      | Date Analyzed        |  |  |
| ERA METHOD 8015M/D: DIESEL RANO   | GE ORGANICS                            |           |            |         | Analyst: PRD         |  |  |
| Dissol Bongo Organics (DBO)       | ND                                     | 9.3       | mg/Kg      | 1       | 9/6/2023 12:22:21 AM |  |  |
| Motor Oil Pange Organics (MRO)    | ND                                     | 47        | mg/Kg      | 1       | 9/6/2023 12:22:21 AM |  |  |
|                                   | 78.8                                   | 69-147    | %Rec       | 1       | 9/6/2023 12:22:21 AM |  |  |
| EDA METHOD 8015D: GASOLINE RAN    | IGE                                    |           |            |         | Analyst: KMN         |  |  |
| EFA METHOD WIGD. GAOCEINE TO US   | ND                                     | 48        | ma/Ka      | 1       | 9/6/2023 5:10:00 AM  |  |  |
|                                   | 98.5                                   | 15-244    | %Rec       | 1       | 9/6/2023 5:10:00 AM  |  |  |
|                                   | •===                                   |           |            |         | Analyst: KMN         |  |  |
| EPA METHOD 8021B: VOLATILES       |                                        | 0.024     | ma/Ka      | 1       | 9/6/2023 5:10:00 AM  |  |  |
| Benzene                           |                                        | 0.024     | ma/Ka      | 1       | 9/6/2023 5:10:00 AM  |  |  |
| Toluene                           |                                        | 0.048     | ma/Ka      | 1       | 9/6/2023 5:10:00 AM  |  |  |
| Ethylbenzene                      |                                        | 0.040     | ma/Ka      | 1       | 9/6/2023 5:10:00 AM  |  |  |
| Xylenes, Total                    | 01.3                                   | 30 1-146  | %Rec       | 1       | 9/6/2023 5:10:00 AM  |  |  |
| Surr: 4-Bromofluorobenzene        | 51.5                                   | 33.1-140  | 701 100    |         | Analyst: SNS         |  |  |
| EPA METHOD 300.0: ANIONS          |                                        |           |            |         | Analyst. SNS         |  |  |
| Chloride                          | ND                                     | 60        | mg/Kg      | 20      | 9/6/2023 1:44:47 PM  |  |  |

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

Qualifiers:

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

Lab Order 2308G05

Date Reported:

## Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** Whiptail Midstream

Client Sample ID: B-10@1.5-2'

| Project: M    | C Com 160               |              | Conec    | Holl Date: | 0125121<br>0120121 | 023 6:30:00 AM       |
|---------------|-------------------------|--------------|----------|------------|--------------------|----------------------|
| Lab ID: 23    | 08G05-020               | Matrix: SOIL | Rece     | lveu Date: | 0/30/20            |                      |
| Analyses      |                         | Result       | RL Qua   | al Units   | DF                 | Date Analyzed        |
| EPA METHO     | D 8015M/D: DIESEL RANGE | ORGANICS     |          |            |                    | Analyst: PRD         |
| Discol Bongo  |                         | ND           | 9.7      | mg/Kg      | 1                  | 9/6/2023 12:33:26 AM |
| Motor Oil Par | and Organics (MRO)      | ND           | 48       | mg/Kg      | 1                  | 9/6/2023 12:33:26 AM |
|               | ip                      | 91.0         | 69-147   | %Rec       | 1                  | 9/6/2023 12:33:26 AM |
|               |                         | E            |          |            |                    | Analyst: KMN         |
|               |                         | - ND         | 4.8      | ma/Ka      | 1                  | 9/6/2023 5:32:00 AM  |
| Gasoline Kar  | ige Organics (GRO)      | 98.4         | 15-244   | %Rec       | 1                  | 9/6/2023 5:32:00 AM  |
| Suit. DFD     |                         |              |          |            |                    | Analyst: KMN         |
| EPA METHO     | DD 8021B: VOLATILES     |              |          |            |                    | 0/0/0000 5-00-00 AM  |
| Benzene       |                         | ND           | 0.024    | mg/Kg      | 1                  | 9/6/2023 5:32:00 AM  |
| Toluene       |                         | ND           | 0.048    | mg/Kg      | 1                  | 9/6/2023 5:32:00 AM  |
| Ethylbenzen   | e                       | ND           | 0.048    | mg/Kg      | 1                  | 9/6/2023 5:32:00 AM  |
| Yvlenes Tot   | al                      | ND           | 0.095    | mg/Kg      | 1                  | 9/6/2023 5:32:00 AM  |
| Surr: A-Br    | omofluorobenzene        | 90.5         | 39.1-146 | %Rec       | 1                  | 9/6/2023 5:32:00 AM  |
|               | DD 300 0. ANIONS        |              |          |            |                    | Analyst: SNS         |
| Chloride      |                         | ND           | 60       | mg/Kg      | 20                 | 9/6/2023 1:57:12 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

#### C SUMMARY REPORT Q

110

- 0

Hall Environmental Analysis Laboratory, Inc.

11-Sep-23

Released to Imaging: 10/20/2023 1:32:23 PM

#### Whiptail Midstream **Client:** MC Com 160 **Project:**

| Sample ID: MB-77309  | SampType: MBLK          | TestCode: EPA Method      | 300.0: Anions       |               |
|----------------------|-------------------------|---------------------------|---------------------|---------------|
| Client ID: PBS       | Batch ID: 77309         | RunNo: 99451              |                     |               |
| Prep Date: 9/5/2023  | Analysis Date: 9/5/2023 | SeqNo: 3631507            | Units: mg/Kg        |               |
| Analyte              | Result PQL SPK value    | SPK Ref Val %REC LowLimit | HighLimit %RPD      | RPDLimit Qual |
| Chloride             | ND 1.5                  |                           |                     |               |
| Sample ID: LCS-77309 | SampType: LCS           | TestCode: EPA Method      | 300.0: Anions       |               |
| Client ID: LCSS      | Batch ID: 77309         | RunNo: 99451              |                     |               |
| Prep Date: 9/5/2023  | Analysis Date: 9/5/2023 | SeqNo: 3631508            | Units: <b>mg/Kg</b> |               |
| Analyte              | Result PQL SPK value    | SPK Ref Val %REC LowLimit | HighLimit %RPD      | RPDLimit Qual |
| Chloride             | 15 1.5 15.00            | 0 97.5 90                 | 110                 |               |

Value exceeds Maximum Contaminant Level.

- Sample Diluted Due to Matrix
- Holding times for preparation or analysis exceeded

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 в Above Quantitation Range/Estimated Value
- E Analyte detected below quantitation limits
- J Sample pH Not In Range
- Р Reporting Limit
- RL

# C SUMMARY REPORT

Q 0110

Hall Environmental Analysis Laboratory, Inc.

11-Sep-23

| Client:       | Whiptail N         | Midstream  | ı               |           |             |            |           |              |            |            |      |
|---------------|--------------------|------------|-----------------|-----------|-------------|------------|-----------|--------------|------------|------------|------|
| Project:      | MC Com             | 160        |                 |           |             |            |           |              |            |            |      |
| Sample ID:    | 2308G05-001AMS     | SampT      | ype: M          | 3         | Tes         | tCode: EP  | A Method  | 8015M/D: Die | sel Range  | Organics   |      |
| Client ID:    | B-01@1-1.5'        | Batch      | ו ID: <b>77</b> | 299       | F           | RunNo: 99  | 448       |              |            |            |      |
| Prep Date:    | 9/5/2023           | Analysis D | Date: 9         | 6/2023    | 5           | SeqNo: 36  | 31388     | Units: mg/K  | g          |            |      |
| Analvte       |                    | Result     | PQL             | SPK value | SPK Ref Val | %REC       | LowLimit  | HighLimit    | %RPD_      | RPDLimit   | Qual |
| Diesel Range  | Organics (DRO)     | 47         | 10              | 49.90     | 0           | 94.1       | 54.2      | 135          |            |            |      |
| Surr: DNOP    | ,                  | 3.6        |                 | 4.990     |             | 73.1       | 69        | 147          |            |            |      |
| Sample ID:    | 2308G05-001AMSE    | ) Samp     | Гуре: М         | <br>SD    | Tes         | tCode: EF  | A Method  | 8015M/D: Die | sel Range  | Organics   |      |
| Client ID:    | B-01@1-1.5'        | Batc       | h ID: 77        | 299       | F           | RunNo: 99  | 448       |              |            |            |      |
| Prep Date:    | 9/5/2023           | Analysis [ | Date: 9         | /6/2023   | :           | SeqNo: 36  | 631389    | Units: mg/K  | (g         |            |      |
| Analyte       |                    | Result     | PQL             | SPK value | SPK Ref Val | %REC       | LowLimit  | HighLimit    | %RPD       | RPDLimit   | Qual |
| Diesel Range  | Organics (DRO)     | 45         | 9.8             | 48.92     | 0           | 92.0       | 54.2      | 135          | 4.24       | 29.2       |      |
| Surr: DNOF    | )<br>)             | 3.7        |                 | 4.892     |             | 75.7       | 69        | 147          | 0          | 0          |      |
| Sample ID:    | LCS-77299          | Samp       | Type: L         | cs        | Tes         | stCode: El | PA Method | 8015M/D: Die | esel Range | Organics   |      |
| Client ID:    | LCSS               | Bato       | h ID: 7         | 7299      | 1           | RunNo: 9   | 9448      |              |            |            |      |
| Prep Date:    | 9/5/2023           | Analysis   | Date: S         | /5/2023   | :           | SeqNo: 3   | 631438    | Units: mg/k  | ٢g         |            |      |
| Analyte       |                    | Result     | PQL             | SPK value | SPK Ref Val | %REC       | LowLimit  | HighLimit    | %RPD       | RPDLimit   | Qual |
| Diesel Range  | Organics (DRO)     | 41         | 10              | 50.00     | 0           | 82.3       | 61.9      | 130          |            |            |      |
| Sur: DNO      | p                  | 4.3        |                 | 5.000     |             | 86.2       | 69        | 147          |            |            |      |
| Sample ID     | MB-77299           | Samp       | Type: N         | IBLK      | Te          | stCode: El | PA Method | 8015M/D: Die | esel Range | e Organics |      |
| Client ID:    | PBS                | Bate       | ch ID: 7        | 7299      |             | RunNo: 9   | 9448      |              |            |            |      |
| Prep Date:    | 9/5/2023           | Analysis   | Date:           | 9/5/2023  |             | SeqNo: 3   | 631440    | Units: mg/l  | Kg         |            |      |
| Anaivte       |                    | Result     | PQL             | SPK value | SPK Ref Val | %REC       | LowLimit  | HighLimit    | %RPD       | RPDLimit   | Qual |
| Diesel Range  | Organics (DRO)     | ND         | 10              | )         |             |            |           |              |            |            |      |
| Motor Oil Rai | nge Organics (MRO) | ND         | 5               | )         |             |            |           |              |            |            |      |
| Surr: DNO     | P                  | 9.0        |                 | 10.00     |             | 90.0       | 69        | 147          |            |            |      |

Value exceeds Maximum Contaminant Level. Sample Diluted Due to Matrix

Holding times for preparation or analysis exceeded

- Analyte detected in the associated Method Blank в
  - Above Quantitation Range/Estimated Value Ε Analyte detected below quantitation limits
  - J Sample pH Not In Range
  - Р
- Not Detected at the Reporting Limit

Practical Quanitative Limit % Recovery outside of standard limits. If undiluted results may be estimated.

RL Reporting Limit

#### Pot **SUMMARY REPORT**

011

Hall Environmental Analysis Laboratory, Inc.

2308G05 WO#:

11-Sep-23

|          |        | Company 1 CS |
|----------|--------|--------------|
| Project: | MC Co  | om 160       |
| Client:  | Whipta | il Midstream |
| Å.       |        |              |

| Sample ID: Ics-77245                                                                                                                                                                                                                                             | SampT                                                                                              | ype: LCS                                                                                             |                                                                                           | Tes                                                | tCode: EP                                                                                                 | A Method                                                                                             | 8015D: Gasoli                                                                                           | ne Range                                              |                            |      |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|----------------------------------------------------|-----------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|-------------------------------------------------------|----------------------------|------|
| Client ID: LCSS                                                                                                                                                                                                                                                  | Batch                                                                                              | ID: 772                                                                                              | 45                                                                                        | F                                                  | RunNo: 99                                                                                                 | 443                                                                                                  |                                                                                                         |                                                       |                            |      |
| Prep Date: 8/31/2023                                                                                                                                                                                                                                             | Analysis D                                                                                         | ate: 9/5                                                                                             | /2023                                                                                     | S                                                  | SeqNo: 36                                                                                                 | 30940                                                                                                | Units: mg/K                                                                                             | 9                                                     |                            |      |
| Analyte                                                                                                                                                                                                                                                          | Result                                                                                             | PQL                                                                                                  | SPK value                                                                                 | SPK Ref Val                                        | %REC                                                                                                      | LowLimit                                                                                             | HighLimit                                                                                               | %RPD                                                  | RPDLimit                   | Qual |
| Gasoline Range Organics (GRO)                                                                                                                                                                                                                                    | 22                                                                                                 | 5.0                                                                                                  | 25.00                                                                                     | 0                                                  | 87.2                                                                                                      | 70                                                                                                   | 130                                                                                                     |                                                       |                            |      |
| Sur: BFB                                                                                                                                                                                                                                                         | 2100                                                                                               |                                                                                                      | 1000                                                                                      |                                                    | 208                                                                                                       | 15                                                                                                   | 244                                                                                                     |                                                       |                            |      |
| Sample ID: mb-77245                                                                                                                                                                                                                                              | SampT                                                                                              | ype: MB                                                                                              | LK                                                                                        | Tes                                                | tCode: EF                                                                                                 | A Method                                                                                             | 8015D: Gasol                                                                                            | ine Range                                             |                            |      |
| Client ID: PBS                                                                                                                                                                                                                                                   | Batch                                                                                              | 1 ID: 772                                                                                            | 45                                                                                        | F                                                  | RunNo: 99                                                                                                 | 443                                                                                                  |                                                                                                         |                                                       |                            |      |
| Prep Date: 8/31/2023                                                                                                                                                                                                                                             | Analysis D                                                                                         | )ate: 9/5                                                                                            | /2023                                                                                     | \$                                                 | SeqNo: 36                                                                                                 | 30941                                                                                                | 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                                                                                                                                                                                                                                                        | 990                                                                                                |                                                                                                      | 1000                                                                                      |                                                    | 99.0                                                                                                      | 15                                                                                                   | 244                                                                                                     |                                                       |                            |      |
|                                                                                                                                                                                                                                                                  |                                                                                                    |                                                                                                      |                                                                                           |                                                    |                                                                                                           | _                                                                                                    |                                                                                                         |                                                       |                            |      |
| Sample ID: 2308G05-001ams                                                                                                                                                                                                                                        | SampT                                                                                              | Type: MS                                                                                             |                                                                                           | Tes                                                | stCode: EF                                                                                                | PA Method                                                                                            | 8015D: Gaso                                                                                             | ine Range                                             | •                          |      |
| Sample ID: 2308G05-001ams<br>Client ID: B-01@1-1.5'                                                                                                                                                                                                              | SampT<br>Batcl                                                                                     | Гуре: MS<br>h ID: 772                                                                                | 245                                                                                       | Tes                                                | stCode: EF                                                                                                | PA Method                                                                                            | 8015D: Gaso                                                                                             | ine Range                                             |                            |      |
| Sample ID:         2308G05-001ams           Client ID:         B-01@1-1.5'           Prep Date:         8/31/2023                                                                                                                                                | SampT<br>Batcl<br>Analysis [                                                                       | Гуре: MS<br>h ID: 772<br>Date: 9/8                                                                   | 245<br>5/2023                                                                             | Tes                                                | stCode: EF<br>RunNo: 99<br>SeqNo: 30                                                                      | PA Method<br>9443<br>630943                                                                          | 8015D: Gasol<br>Units: mg/K                                                                             | ine Range                                             | ,                          |      |
| Sample ID: 2308G05-001ams<br>Client ID: B-01@1-1.5'<br>Prep Date: 8/31/2023<br>Analyte                                                                                                                                                                           | SampT<br>Batcl<br>Analysis I<br>Result                                                             | Fype: MS<br>h ID: 772<br>Date: 9/5<br>PQL                                                            | 245<br>5/2023<br>SPK value                                                                | Tes<br>I<br>SPK Ref Val                            | stCode: EF<br>RunNo: 99<br>SeqNo: 36<br>%REC                                                              | PA Method<br>9443<br>530943<br>LowLimit                                                              | 8015D: Gasol<br>Units: mg/K<br>HighLimit                                                                | ine Range<br>g<br>%RPD                                | RPDLimit                   | Qual |
| Sample ID: 2308G05-001ams<br>Client ID: B-01@1-1.5'<br>Prep Date: 8/31/2023<br>Analyte<br>Gasoline Range Organics (GRO)                                                                                                                                          | SampT<br>Batcl<br>Analysis D<br>Result<br>21                                                       | Fype: MS<br>h ID: 772<br>Date: 9/5<br>PQL<br>4.7                                                     | 245<br>5/2023<br>SPK value<br>23.58                                                       | Tes<br>SPK Ref Val<br>0                            | stCode: EF<br>RunNo: 99<br>SeqNo: 36<br>%REC<br>91.0                                                      | PA Method<br>9443<br>630943<br>LowLimit<br>70                                                        | 8015D: Gasol<br>Units: mg/K<br>HighLimit<br>130                                                         | ine Range<br>g<br>%RPD                                | RPDLimit                   | Qual |
| Sample ID: 2308G05-001ams<br>Client ID: B-01@1-1.5'<br>Prep Date: 8/31/2023<br>Analyte<br>Gasoline Range Organics (GRO)<br>Surr: BFB                                                                                                                             | SampT<br>Batcl<br>Analysis E<br>Result<br>21<br>1900                                               | Type: MS<br>h ID: 772<br>Date: 9/5<br>PQL<br>4.7                                                     | 245<br>5/2023<br>SPK value<br>23.58<br>943.4                                              | Tes<br>SPK Ref Val<br>0                            | stCode: EF<br>RunNo: 99<br>SeqNo: 30<br>%REC<br>91.0<br>202                                               | PA Method<br>9443<br>530943<br>LowLimit<br>70<br>15                                                  | 8015D: Gasol<br>Units: mg/K<br>HighLimit<br>130<br>244                                                  | ine Range<br>g<br>%RPD                                | RPDLimit                   | Qual |
| Sample ID: 2308G05-001ams<br>Client ID: B-01@1-1.5'<br>Prep Date: 8/31/2023<br>Analyte<br>Gasoline Range Organics (GRO)<br>Surr: BFB                                                                                                                             | SampT<br>Batcl<br>Analysis I<br>Result<br>21<br>1900                                               | Гуре: MS<br>h ID: 772<br>Date: 9/5<br>PQL<br>4.7<br>Туре: MS                                         | 245<br>5/2023<br>SPK value<br>23.58<br>943.4<br>5D                                        | Tes<br>SPK Ref Val<br>0<br>Tes                     | stCode: EF<br>RunNo: 99<br>SeqNo: 30<br>%REC<br>91.0<br>202<br>stCode: Ef                                 | PA Method<br>9443<br>530943<br>LowLimit<br>70<br>15<br>PA Method                                     | 8015D: Gasol<br>Units: mg/K<br>HighLimit<br>130<br>244<br>8015D: Gaso                                   | ine Range<br>g<br>%RPD<br>line Range                  | RPDLimit                   | Qual |
| Sample ID: 2308G05-001ams<br>Client ID: B-01@1-1.5'<br>Prep Date: 8/31/2023<br>Analyte<br>Gasoline Range Organics (GRO)<br>Surr: BFB<br>Sample ID: 2308G05-001amsc<br>Client ID: B-01@1-1.5'                                                                     | SampT<br>Batcl<br>Analysis E<br>Result<br>21<br>1900<br>I Samp<br>Batc                             | Type: MS<br>h ID: 772<br>Date: 9/5<br>PQL<br>4.7<br>Type: MS<br>th ID: 772                           | 245<br>5/2023<br>SPK value<br>23.58<br>943.4<br>SD<br>245                                 | Tes<br>SPK Ref Val<br>0<br>Tes                     | stCode: EF<br>RunNo: 99<br>SeqNo: 36<br>%REC<br>91.0<br>202<br>stCode: Ef<br>RunNo: 9                     | PA Method<br>9443<br>630943<br>LowLimit<br>70<br>15<br>PA Method<br>9443                             | 8015D: Gasol<br>Units: mg/K<br>HighLimit<br>130<br>244<br>8015D: Gaso                                   | g<br>%RPD                                             | RPDLimit                   | Qual |
| Sample ID: 2308G05-001ams<br>Client ID: B-01@1-1.5'<br>Prep Date: 8/31/2023<br>Analyte<br>Gasoline Range Organics (GRO)<br>Surr: BFB<br>Sample ID: 2308G05-001amsc<br>Client ID: B-01@1-1.5'<br>Prep Date: 8/31/2023                                             | SampT<br>Batcl<br>Analysis I<br>Result<br>21<br>1900<br>I Samp<br>Batc<br>Analysis I               | Fype: MS<br>h ID: 772<br>Date: 9/5<br>PQL<br>4.7<br>Type: MS<br>h ID: 772<br>Date: 9/5               | 245<br>5/2023<br>SPK value<br>23.58<br>943.4<br>5D<br>245<br>5/2023                       | Tes<br>SPK Ref Val<br>0<br>Tes                     | stCode: EF<br>RunNo: 99<br>SeqNo: 30<br>%REC<br>91.0<br>202<br>stCode: Ef<br>RunNo: 9<br>SeqNo: 3         | PA Method<br>3443<br>530943<br>LowLimit<br>70<br>15<br>PA Method<br>9443<br>630944                   | 8015D: Gaso<br>Units: mg/K<br>HighLimit<br>130<br>244<br>8015D: Gaso<br>Units: mg/F                     | ine Range<br>%RPD<br>line Range                       | RPDLimit                   | Qual |
| Sample ID: 2308G05-001ams<br>Client ID: B-01@1-1.5'<br>Prep Date: 8/31/2023<br>Analyte<br>Gasoline Range Organics (GRO)<br>Surr: BFB<br>Sample ID: 2308G05-001amsc<br>Client ID: B-01@1-1.5'<br>Prep Date: 8/31/2023<br>Analyte                                  | SampT<br>Batcl<br>Analysis I<br>Result<br>21<br>1900<br>I Samp<br>Batc<br>Analysis I<br>Result     | Fype: MS<br>h ID: 772<br>Date: 9/5<br>PQL<br>4.7<br>Type: MS<br>h ID: 772<br>Date: 9/5<br>PQL        | 245<br>5/2023<br>SPK value<br>23.58<br>943.4<br>5D<br>245<br>5/2023<br>SPK value          | Tes<br>SPK Ref Val<br>0<br>Tes<br>SPK Ref Val      | stCode: EF<br>RunNo: 99<br>SeqNo: 30<br>91.0<br>202<br>stCode: El<br>RunNo: 9<br>SeqNo: 3<br>%REC         | PA Method<br>3443<br>630943<br>LowLimit<br>70<br>15<br>PA Method<br>9443<br>630944<br>LowLimit       | 8015D: Gasol<br>Units: mg/K<br>HighLimit<br>130<br>244<br>8015D: Gaso<br>Units: mg/F<br>HighLimit       | ine Range<br>%RPD<br>line Range                       | RPDLimit                   | Qual |
| Sample ID: 2308G05-001ams<br>Client ID: B-01@1-1.5'<br>Prep Date: 8/31/2023<br>Analyte<br>Gasoline Range Organics (GRO)<br>Surr: BFB<br>Sample ID: 2308G05-001amsc<br>Client ID: B-01@1-1.5'<br>Prep Date: 8/31/2023<br>Analyte<br>Gasoline Range Organics (GRO) | SampT<br>Batcl<br>Analysis I<br>Result<br>21<br>1900<br>Samp<br>Batc<br>Analysis I<br>Result<br>20 | Fype: MS<br>h ID: 772<br>Date: 9/9<br>PQL<br>4.7<br>Type: MS<br>h ID: 772<br>Date: 9/9<br>PQL<br>4.7 | 245<br>5/2023<br>SPK value<br>23.58<br>943.4<br>50<br>245<br>5/2023<br>SPK value<br>23.67 | Tes<br>SPK Ref Val<br>0<br>Tes<br>SPK Ref Val<br>0 | stCode: EF<br>RunNo: 99<br>SeqNo: 30<br>91.0<br>202<br>stCode: EF<br>RunNo: 9<br>SeqNo: 3<br>%REC<br>85.3 | PA Method<br>3443<br>530943<br>LowLimit<br>70<br>15<br>PA Method<br>9443<br>630944<br>LowLimit<br>70 | 8015D: Gaso<br>Units: mg/K<br>HighLimit<br>130<br>244<br>8015D: Gaso<br>Units: mg/K<br>HighLimit<br>130 | ine Range<br>%RPD<br>line Range<br>(g<br>%RPD<br>6.07 | RPDLimit<br>RPDLimit<br>20 | Qual |

Keceived by OCT: 522 PM Received by OCT: 97202 Main and Control of the second second

Value exceeds Maximum Contaminant Level. Sample Diluted Due to Matrix

Holding times for preparation or analysis exceeded

Analyte detected in the associated Method Blank В Е Above Quantitation Range/Estimated Value

- Analyte detected below quantitation limits J
- Sample pH Not In Range Р
- **Reporting Limit**

Not Detected at the Reporting Limit Practical Quanitative Limit

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

RL

# C SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

#### **Client:** Whiptail Midstream **Project:** MC Com 160

110

| Sample ID:     | lcs-77245                                                   | SampTy                | pe: LCS     | 3            | Test                      | Code: EP.                          | A Method                           | 8021B: Volatil     | es                                |          |      |
|----------------|-------------------------------------------------------------|-----------------------|-------------|--------------|---------------------------|------------------------------------|------------------------------------|--------------------|-----------------------------------|----------|------|
| Client ID:     | LCSS                                                        | Batch I               | D: 772      | 45           | R                         | lunNo: 99                          | 443                                |                    |                                   |          |      |
| Prep Date:     | 8/31/2023                                                   | Analysis Da           | te: 9/5     | /2023        | S                         | eqNo: 36                           | 30982                              | Units: mg/Kg       | 9                                 |          |      |
| Analyte        |                                                             | Result                | PQL         | SPK value    | SPK Ref Val               | %REC                               | LowLimit                           | HighLimit          | %RPD                              | RPDLimit | Qual |
| Benzene        |                                                             | 0.88                  | 0.025       | 1.000        | 0                         | 87.8                               | 70                                 | 130                |                                   |          |      |
| Toluene        |                                                             | 0.89                  | 0.050       | 1.000        | 0                         | 88.5                               | 70                                 | 130                |                                   |          |      |
| Ethylbenzene   |                                                             | 0.90                  | 0.050       | 1.000        | 0                         | 89.8                               | 70                                 | 130                |                                   |          |      |
| Xylenes, Total | ١                                                           | 2.7                   | 0.10        | 3.000        | 0                         | 89.9                               | 70                                 | 130                |                                   |          |      |
| Surr: 4-Bron   |                                                             | 0.90                  |             | 1.000        |                           | 90.4                               | 39.1                               | 146                |                                   | _        |      |
| Sample ID:     | mb-77245                                                    | SampTy                | pe: MB      | LK           | Tes                       | tCode: EP                          | A Method                           | 8021B: Volati      | les                               |          |      |
| Client ID:     | PBS                                                         | Batch                 | ID: 772     | 245          | F                         | RunNo: 99                          | 443                                |                    |                                   |          |      |
| Prep Date:     | 8/31/2023                                                   | Analysis Da           | ate: 9/(    | 5/2023       | ę                         | SeqNo: 36                          | 530983                             | Units: <b>mg/K</b> | g                                 |          | Quel |
| Analyte        |                                                             | Result                | PQL         | SPK value    | SPK Ref Val               | %REC                               | LowLimit                           | HighLimit          | %RPD                              | KPULIMIt |      |
| Benzene        |                                                             | ND                    | 0.025       |              |                           |                                    |                                    |                    |                                   |          |      |
| Toluene        |                                                             | ND                    | 0.050       |              |                           |                                    |                                    |                    |                                   |          |      |
| Ethylbenzene   |                                                             | ND                    | 0.050       |              |                           |                                    |                                    |                    |                                   |          |      |
| Xylenes, Tota  | 1                                                           | ND                    | 0.10        |              |                           |                                    | <b>~</b> •                         | 1.10               |                                   |          |      |
| Surr: 4-Bro    | mofluorobenzene                                             | 0.88                  |             | 1.000        |                           | 88.2                               | 39.1                               | 146                |                                   |          |      |
| Sample ID:     | 2308G05-002ams                                              | SampTy                | ype: MS     | 3            | Tes                       | stCode: EF                         | PA Method                          | 8021B: Volati      | iles                              |          |      |
| Client ID:     | B-01@1.5-2                                                  | Batch                 | ID: 772     | 245          | I                         | Run <b>No: 9</b> !                 | 9443                               |                    |                                   |          |      |
| Prep Date:     | 8/31/2023                                                   | Analysis D            | ate: 9/     | 5/2023       | ;                         | SeqNo: 30                          | 630986                             | Units: mg/K        | (g                                |          |      |
| Analyte        |                                                             | Result                | PQL         | SPK value    | SPK Ref Val               | %REC                               | LowLimit                           | HighLimit          | %RPD                              | RPDLimit | Qual |
| Benzene        |                                                             | 0.82                  | 0.024       | 0.9625       | 0                         | 85.2                               | 70                                 | 130                |                                   |          |      |
| Toluene        |                                                             | 0.83                  | 0.048       | 0.9625       | 0                         | 86.3                               | 70                                 | 130                |                                   |          |      |
| Ethylbenzene   | 3                                                           | 0.85                  | 0.048       | 0.9625       | 0                         | 88.0                               | 70                                 | 130                |                                   |          |      |
| Xylenes, Tota  | વ્ર                                                         | 2.5                   | 0.096       | 2.887        | 0                         | 87.8                               | 70                                 | 130                |                                   |          |      |
| Surr: 4-Bro    | omofluorobenzene                                            | 0.88                  |             | 0.9625       |                           | 91.0                               | 39.1                               | 146                |                                   |          |      |
| Sample ID      | 2308G05-002amsc                                             | I SampT               | ype: M      | SD           | Te                        | stCode: El                         | PA Method                          | i 8021B: Volat     | iles                              |          |      |
| Client ID:     | B-01@1.5-2'                                                 | Batch                 | n ID: 77    | 245          |                           | RunNo: 9                           | 9443                               |                    |                                   |          |      |
| Prep Date      | 8/31/2023                                                   | Analysis D            | )ate: 9/    | /5/2023      |                           | SeqNo: 3                           | 630987                             | Units: mg/i        | <g< td=""><td></td><td></td></g<> |          |      |
| Analyte        |                                                             | Result                | PQL         | SPK value    | SPK Ref Val               | %REC                               | LowLimit                           | HighLimit          | %RPD                              | RPDLimit | Qual |
| Benzene        |                                                             | 0.82                  | 0.024       | 0.9625       | 0                         | 84.8                               | 70                                 | 130                | 0.434                             | 20       |      |
| Toluene        |                                                             | 0.83                  | 0.048       | 0.9625       | 0                         | 86.2                               | 70                                 | 130                | 0.162                             | 20       |      |
| Sthylbenzene   | е                                                           | 0.85                  | 0.048       | 0.9625       | 0                         | 88.6                               | 70                                 | 130                | 0.664                             | 20       |      |
| 💐 lenes, Tota  | àl                                                          | 2.6                   | 0.096       | 2.887        | 0                         | 88.8                               | 70                                 | 130                | 1.14                              | 20       |      |
| 🔀 Surr: 4-Bro  | omofluorobenzene                                            | 0.89                  |             | 0.9625       |                           | 92.2                               | 39.1                               | 146                | 0                                 | 0        |      |
| 27:            |                                                             |                       |             |              |                           |                                    |                                    |                    |                                   |          |      |
| .6             |                                                             |                       |             |              |                           |                                    |                                    |                    |                                   |          |      |
| - 123          |                                                             |                       |             |              |                           |                                    |                                    |                    |                                   |          |      |
| Qualifiers:    |                                                             | _                     |             |              | n                         | Intent-1                           | acconisted Med                     | od Blank           |                                   |          |      |
| Value          | e exceeds Maximum Contamin<br>ple Diluted Due to Matrix     | ant Level.            |             |              | B Analyte<br>E Above O    | uctected in the<br>uantitation Rai | associated Meth<br>nge/Estimated V | alue               |                                   |          |      |
| H Hold         | ing times for preparation or ana                            | ilysis exceeded       |             |              | J Analyte                 | detected below                     | r quantitation lim                 | uits               |                                   |          |      |
| ND Not l       | Detected at the Reporting Limit                             | t                     |             |              | P Sample p<br>RL Reportin | ori Not In Ran;<br>g Limit         | ge                                 |                    |                                   |          |      |
| S % Re         | ucai Quanitative Limit<br>ecovery outside of standard limit | its. If undiluted res | sults may b | e estimated. | Reportin                  |                                    |                                    |                    |                                   |          |      |
| <i>by</i>      |                                                             |                       |             |              |                           |                                    |                                    |                    |                                   |          |      |
| ved            |                                                             |                       |             |              |                           |                                    |                                    |                    |                                   |          |      |
| iei,           |                                                             |                       |             |              |                           |                                    |                                    |                    |                                   |          |      |
| Rec            |                                                             |                       |             |              |                           |                                    |                                    |                    |                                   |          |      |

11-Sep-23

| HALL<br>ENVIRONMENTAL<br>ANALYSIS<br>LABORATORY                                                                     | Hall Environmental<br>Albi<br>TEL: 505-345-3975<br>Website: www.ha | Analysis Laboratory<br>4901 Hawkins NE<br>iquerque. NM 87109<br>FAX: 505-345-4107<br>Ilenvironmental.com | Sam      | ple Log-In Check List               |                    |
|---------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|----------|-------------------------------------|--------------------|
| Client Name: Whiptail Midstream                                                                                     | Work Order Number:                                                 | 2308G05                                                                                                  |          | RcptNo: 1                           |                    |
| Received By: Tracy Casarrubias                                                                                      | 8/30/2023 6:30:00 AM                                               |                                                                                                          |          |                                     |                    |
| Completed By: Tracy Casarrubias                                                                                     | 8/30/2023 6:46:40 AM                                               |                                                                                                          |          |                                     |                    |
| Reviewed By: 4 8-30-23                                                                                              |                                                                    |                                                                                                          |          |                                     |                    |
| Chain of Custody                                                                                                    |                                                                    |                                                                                                          |          |                                     |                    |
| 1. Is Chain of Custody complete?                                                                                    |                                                                    | Yes 🗹                                                                                                    | No 🗌     | Not Present                         |                    |
| 2. How was the sample delivered?                                                                                    |                                                                    | Courier                                                                                                  |          |                                     |                    |
| Log In                                                                                                              |                                                                    |                                                                                                          | N- 🗆     |                                     |                    |
| 3. Was an attempt made to cool the samples?                                                                         |                                                                    | Yes 🗹                                                                                                    | NO 🛄     |                                     |                    |
| 4. Were all samples received at a temperature                                                                       | of >0° C to 6.0°C                                                  | Yes 🔽                                                                                                    | No 🗌     |                                     |                    |
| 5. Sample(s) in proper container(s)?                                                                                |                                                                    | Yes 🗹                                                                                                    | No 🗌     |                                     |                    |
| 6. Sufficient sample volume for indicated test(s                                                                    | ;)?                                                                | Yes 🗹                                                                                                    | No 🗌     |                                     |                    |
| 7. Are samples (except VOA and ONG) proper                                                                          | ly preserved?                                                      | Yes 🗹                                                                                                    | No 🗌     |                                     |                    |
| 8. Was preservative added to bottles?                                                                               |                                                                    | Yes                                                                                                      | No 🔽     | NA 🗌                                |                    |
| 9. Received at least 1 vial with headspace <1/4                                                                     | 4" for AQ VOA?                                                     | Yes 🗋                                                                                                    | No 🗌     |                                     |                    |
| 10. Were any sample containers received broke                                                                       | en?                                                                | Yes                                                                                                      | No 🗹     | # of preserved                      |                    |
| 11. Does paperwork match bottle labels?<br>(Note discrepancies on chain of custody)                                 |                                                                    | Yes 🗹                                                                                                    | No 🗌     | for pH:<br>(<2 or >12 unless noted) |                    |
| 12. Are matrices correctly identified on Chain of                                                                   | Custody?                                                           | Yes 🖌                                                                                                    | No 🗌     | Adjusted?                           |                    |
| 13. Is it clear what analyses were requested?                                                                       |                                                                    | Yes 🗹                                                                                                    | No 🗌     | 1 algular                           |                    |
| 14. Were all holding times able to be met?<br>(If no, notify customer for authorization.)                           |                                                                    | Yes 🔽                                                                                                    | No 🗌     | Checked by: 7~8/30/23               |                    |
| Special Handling (if applicable)                                                                                    |                                                                    |                                                                                                          |          |                                     |                    |
| 15. Was client notified of all discrepancies with                                                                   | this order?                                                        | Yes                                                                                                      | No 🗌     | NA 🔽                                |                    |
| Person Notified:                                                                                                    | Date:                                                              |                                                                                                          |          |                                     | _                  |
| By Whom:                                                                                                            | Via:                                                               | eMail 🗌 Phor                                                                                             | ne 🗌 Fax | In Person                           | PN                 |
| Regarding:                                                                                                          |                                                                    |                                                                                                          |          |                                     | 2:23               |
| Client Instructions:                                                                                                |                                                                    |                                                                                                          |          |                                     | 1.3                |
| 16. Additional remarks:                                                                                             |                                                                    |                                                                                                          |          |                                     | 2023               |
| Cooler Information         Cooler No       Temp °C       Condition       S         1       5.2       Good       Yet | Seal Intact Seal No<br>es Yogi                                     | Seal Date Si                                                                                             | gned By  |                                     | . 10/20/2          |
| Page 1 of 1                                                                                                         |                                                                    |                                                                                                          |          |                                     | eleased to Imagino |

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| Cha               | o-uit      | of-Cu      | istody Record                             | Turn-Around T          | ime                  | + + + - F                        |                  |                |                    |         | l                            |          |             |            |            |    |   |
|-------------------|------------|------------|-------------------------------------------|------------------------|----------------------|----------------------------------|------------------|----------------|--------------------|---------|------------------------------|----------|-------------|------------|------------|----|---|
| Client: W         | 40.0       | AA AT      | .detroom                                  | □ Standard             | C. Non V             | i Li hann                        |                  | ר              |                    |         | VST VST                      | S IS     | AB          | OR/        |            | ĮŽ |   |
|                   |            | 2 m        | 1110 2 1 10 11                            | Project Name:          |                      |                                  |                  |                | 3                  | w.hall  | enviro                       | nmen     | tal.com     |            |            |    |   |
| Mailing Ado       | dress:     | 703        | Capter Street                             | MC Cor                 | し ち この               | 0                                | 490              | 11 Hav         | vkins              | ч<br>Щ  | Albug                        | nerqu    | le, NM      | 87109      |            |    |   |
| Farmi             | afour      | Z          | M 87401                                   | Project #:             |                      |                                  | Te               | . 505-         | 345-3              | 975     | Fax                          | 505      | -345-4      | 107        | 1          |    |   |
| Phone #: (        | Sos)       | 1036-      | 0574                                      |                        |                      |                                  |                  |                |                    | Ā       | alysi                        | s Rec    | luest       |            |            |    |   |
| email or Fa.      | X#: 14     | ather 1    | non-markhilly why by Mul Sich             | Project Manag          | er:                  |                                  | (D2              | ę              | ę                  |         | <sup>⊅</sup> 0 <del>\$</del> | _        | (ìnə        | _          | _          | _  |   |
| QA/QC Pack        | kage:      |            | -                                         |                        |                      |                                  | 108)<br>1003     | s,8C           | SMI                |         | <del>.</del> *0              |          | sdA         |            |            |    |   |
| <b>V</b> Standard | σ          |            | Level 4 (Full Validation)                 | Heather                | Spoon                |                                  | ୦ଧ<br><b>ଽ.ସ</b> | 2 P(           | S02                |         | <del>а '</del> г             |          | 'nца        |            |            |    |   |
| Accreditatic      |            | AZ Co      | mpliance                                  | Sampler: HW            | A Voc                |                                  |                  | 808/           | (1. <del>+</del> 0 |         | ON ,                         | (A       | Pres        | ŝ          |            |    |   |
|                   | - -<br>20  |            |                                           | # of Coolers:          | 25                   | 1001                             | 9<br>2<br>2<br>3 | səp            |                    | slei    | <del>.</del> ق               | ΟΛ       | ) ա         | 2<br>2-    |            |    |   |
|                   |            |            |                                           | Cooler Temp(in         | icluding CF): 5      | 2.0-2. C. (°C)                   |                  | ioite          | 68 V               | ЭМ      | ₩ <u>'</u>                   | -imə     | ofilo       |            | _          |    |   |
|                   |            |            |                                           | Container              | reservative          | HEAL No.                         | FX /             | 94 F8          | d sH               | 8 AA:   | 9, 'J                        | S) 02    | tal Co      | _          |            |    |   |
| Date Tin          | ne<br>N    | Aatrix     | Sample Name                               | Type and # 1           | Type                 | 23086.05                         | TP<br>TP         | 808            | Aq                 | вс      | 6                            | 85.      | от          | _          |            | -  |   |
| 90 52/52/8        | 323        | Soil       | B-01@1-1.5'                               | (1) the Glass          | Non                  | 001                              | ×                |                |                    |         | ×                            |          |             |            |            |    |   |
| Bhs/23 09         | 571        | Soil       | 8-01@1.5-2'                               | נבשוט בסף (1)          | New                  | 200                              | X<br>X           |                |                    |         | ×                            |          |             |            |            |    |   |
| 6/2/23 DC         | 332        | Soll       | 8-0200-0.5'                               | (1) yor Glass          | Non                  | 003                              | y<br>X           |                |                    |         | ×                            |          |             |            |            |    |   |
| 8/25/23 00        | 337        | Soil       | 8-02 @ 1.5-2'                             | () yozchas             | New                  | POO                              | ×<br>×           |                | 5                  |         | ×                            |          |             |            |            |    |   |
| 8/25/20 00        | 446        | Soi)       | 8-0300-05'                                | (1) you Glass          | Nov                  | 005                              | XX               | -              | _                  |         | X                            | 1        |             | -          |            | -  |   |
| 8/25/23 00        | 549        | 5011       | 8-0301.5-2                                | (i) yor clars          | Non                  | 0010                             | X<br>X           |                |                    |         | ×                            |          |             | +          |            | _  |   |
| 8/25/23 00        | 956        | Soil       | B-04@0.5-1                                | (1) 405 (1)            | Non                  | CO 7                             | x<br>X           | $\neg$         |                    |         | ×                            | _        |             | $\square$  |            | -  |   |
| 8/25/23 10        | 202        | Soll       | 8-0401.5-2'                               | (1) 402 CIM            | Non                  | 008                              | ×<br>×           | -+             | -                  |         | ×                            |          |             | _          |            | -  |   |
| Bhsha 10          | 8          | 20:1       | 8-05 @ 0-0.5'                             | (1) you can            | Non                  | 500                              | ×<br>×           |                | - 1                |         | ×                            | 4        |             | _          |            |    |   |
| 8/25/23 10        | PIO        | Soil       | 8-0501.5-2'                               | (1) Horcins            | Non                  | olo                              | х<br>x           |                |                    |         | ×                            | -        |             |            |            |    |   |
| B/25/23 10        | 124        | Soil       | B-0600.5-1'                               | (1) yozan              | Non                  | 611                              | ×<br>×           |                | -                  |         | ×                            |          |             | _          |            |    |   |
| 8/22/23 IC        | 228        | Soil       | 8-0601.5-2'                               | (1) you are            | Non                  | 210                              | κ<br>κ           |                |                    |         | 8                            |          |             | _          |            |    |   |
| Bhau Tim          | le:        | Relinquish | led by:                                   | Received by:           | Via:                 | Shall ISIN                       | Remark           | and the second | 4                  | OF .    | 0                            |          |             |            |            |    |   |
| - 22 -            | 2          | 1/Laz      | The M. WO-                                | Pacelved by:           | Viarra               | L 124/25                         |                  |                |                    |         |                              |          |             |            |            |    |   |
| 8/29/27)7         | <u> </u>   | MAR        | المحمد المحد                              | · to many              |                      | 2 5 12012                        |                  |                |                    |         |                              |          | 1           |            |            |    |   |
| Released to h     | pessary, s | amples su  | bmitted to Hall Environmental may be subc | contracted to other ac | credited laboratorie | es. This serves as notice of thi | s possibility.   | Any sub-       | contract           | ed data | vill be cl                   | early no | tated on th | ne analyti | cal report | .: | • |
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|------------------------|--------------|---------|------------------------------------------------------------|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|---------------|---------------|----------|--------------|--------------------|-----------|-------------|-------------------|-------------|--------------|
| Chai                   | n-of-(       | Cus     | stody Record                                               | Turn-Around T         | ime:<br>Ruch                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | :5 day TAT                       |               |               | Ï        | ALL          | EN                 | 1IN       | SON         | MEN               | LAL         |              |
| Client: Whi            | pha.         | X       | dshram                                                     | Standard              | Rush.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                  |               |               | A        | VAL          | YSI                | SL        | AB          | DRAT              | ORY         |              |
|                        |              |         |                                                            | Project Name:         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                  |               |               | $\geq$   | ww.hall      | enviro             | nemr      | tal.con     |                   |             |              |
| Mailing Addre          | El :sse      | 03      | Calder Street                                              | MC CON                | n # 1 LeO                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                  | •             | 1901 H        | awkin    | ° NE         | Albuq              | nerqu     | le, NM      | 87109             |             |              |
|                        | anter        | N       | IN RIVOL                                                   | Project #:            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                  |               | Tel. 5(       | 5-345    | -3975        | Fay                | 505       | -345-4      | 07                |             |              |
| Phone #: (S            | 05) 63       | 310-    | 0574                                                       |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                  |               |               |          | 4            | nalysi             | s Rec     | quest       |                   |             |              |
| email or Fax⊭          | + Heath      | er.W    | boods @ Whippen / Mids hearing                             | Project Manag         | er:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                  | (12           | ؛<br>(۵)      |          |              | ž <del>os</del>    |           | (juə:       |                   |             |              |
| QA/QC Packa            | ge:          |         |                                                            | I and                 | Inbode                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                  | :08) <b>a</b> |               |          |              | <sup>**</sup> Oc   | _         | sdA\        |                   |             |              |
| <b>W</b> Standard      |              |         | Level 4 (Full Validation)                                  | HEATH                 | Sian                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                  | <b>6</b> 8    | 35 F          | (        | :07          | J ' <sup>2</sup> ( | _         | ļuəs        |                   | -           |              |
| Accreditation          | : D Az       | z Corr  | npliance                                                   | Sampler: Hw           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                  | MT            | 808           | (1.4     | 78.          | ИG                 | ()        | ores        |                   |             |              |
|                        | 0<br>D       | ther    |                                                            | On Ice:               | g Yes                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | DNO UCOI                         | 13            | /sə<br>ਨਸ਼    | 20       | SIE<br>0 0   | <sup>'E</sup> (    | 10/       | <b>-)</b> u |                   |             |              |
|                        | e)           |         |                                                            | # of Coolers:         | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                  | 181           | ല)വ<br>ലാ     | ροι      | orea<br>Stel |                    | Λ-ļU      | orn         |                   | _           |              |
|                        |              | -       |                                                            | Cooler Temp(          | Including CF): S .                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | (0.) 2.5: Ø-1                    | ₩.            | 1959,<br>1921 | lt9N     | 8 N          | gĽ                 | uəS       | tilo(       |                   |             |              |
|                        |              |         |                                                            | Container             | Preservative                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | HEAL No.                         | X TEX         | )8:H41<br>    | EDB (V   |              | , eace             | ) 0728    | ) letoT     |                   | _           |              |
| Blact Ime              |              | ×       |                                                            | - Abe and +           | Alas                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 12 M                             |               |               |          |              | ×                  |           |             |                   |             |              |
| 101 82/671             | 100 11       | -       | D-0+60.2-1                                                 | 11 702 6143           | NON                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | cin                              | < 1           |               |          |              |                    |           |             |                   |             |              |
| <sup>8/25/23</sup> 104 | 15 50        | 1.      | 8-0701.5-2'                                                | ( ) 402 GIAL          | Non                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Did                              | ×             | ×             |          |              | ×                  |           |             |                   |             | Ţ            |
| Bhs/m 105              | R Sov        | N       | 8-0601-1.5'                                                | (1) 402 GIESS         | Non                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 015                              | ×             | ×             |          |              | ×                  |           |             |                   |             |              |
| 8/25/22 110            | 0 Sei        | 1       | 8-08 @ 1.5-2                                               | (1) yos-liters        | Non                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 010                              | ×             | ×             |          |              | ×                  |           |             |                   |             |              |
| 8/25/2 1111            | 2            |         | 8-09 61-1.5'                                               | (1) yes (shus         | Non                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 510                              | X             | X             |          |              | ×                  | _         |             |                   | _           | ļ            |
| 8/25/02 11 2           | × ×          | 1.0     | R-09 @1.5-2                                                | (1) you chus          | Non                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 015                              | ×             | ×             |          |              | ×                  |           |             |                   |             | $\square$    |
| 0/25/m 11 3            | 33 50        |         | R-1001-1.5'                                                | (1) you Glass         | Nor                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 619                              | ×             | ×             |          | _            | ×                  |           |             |                   | _           |              |
| 8/25/23 11             | 37 50        | 1       | B-10@1.5-2                                                 | (1) 407 Gum           | Non                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 020                              | ×             | ×             |          |              | ×                  | _         |             |                   |             |              |
|                        |              |         |                                                            |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                  |               |               |          | _            |                    |           |             |                   |             |              |
|                        |              |         |                                                            |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                  |               | -             |          |              | ╡                  | _         |             |                   |             | $\downarrow$ |
|                        |              |         |                                                            |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                  |               | -             |          |              |                    | -         |             |                   |             | 1            |
|                        |              |         |                                                            |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                  |               | _             |          | -            |                    | -         |             |                   |             |              |
| Date: Time<br>6129/21  | IS Relin     | nguishe | ed by:                                                     | Received by:          | via:<br>Lac                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | the 8/29/23                      | Rem           | arks:         | age      | 20           | N                  |           |             |                   |             |              |
| Date: Time             | Relin        | adishe  | by:                                                        | Received by:          | Via: COUN-                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | ✓ Date Time                      |               |               |          |              |                    |           |             |                   |             |              |
| ×171 E26/22/           | C C          | Z       | A Nas                                                      |                       | A CONTRACT OF A | 2/2/13/02                        |               |               |          |              |                    | 3         | -<br>       |                   |             |              |
| Released to Im         | ssary, sampl | 0/20/2  | mitted to Hall Environmental may be sub<br>2023 1:32:23 PM | contracted to other a | ccredited laborator                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | tes. This serves as notice of th | is possib     | llity. Any    | sub-cont | acted data   | will be o          | learly no | otated on   | he analytical rei | .100<br>101 | •            |

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

District IV

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

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

CONDITIONS

| Operator:              | OGRID:                                    |
|------------------------|-------------------------------------------|
| Whiptail Midstream LLC | 373240                                    |
| 15 West 6th Street     | Action Number:                            |
| Tulsa, OK 74119        | 264084                                    |
|                        | Action Type:                              |
|                        | [C-141] Release Corrective Action (C-141) |

## CONDITIONS

| Created | Condition                                                                                            | Condition Date |
|---------|------------------------------------------------------------------------------------------------------|----------------|
| Ву      |                                                                                                      |                |
| nvelez  | Deferral is approved. Remediation Due date will be left open until the site has been decommissioned. | 10/20/2023     |