District I 1625 N. French Dr., Hobbs, NM 88240 District II 811 S. First St., Artesia, NM 88210 District III 1000 Rio Brazos Road, Aztec, NM 87410 District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505 State of New Mexico Energy Minerals and Natural Resources Department

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

)

Incident ID	nAPP2101857967
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party: Cimarex Energy Co.	OGRID: 215099
Contact Name: Laci Luig	Contact Telephone: (432) 571-7800
Contact email: lluig@cimarex.com	Incident # (assigned by OCD) nAPP2101857967
Contact mailing address: 600 N Marienfeld Street, Ste. 600	
Midland, TX 79701	

Location of Release Source

Latitude 32.06744_

(NAD 83 in decimal degrees to 5 decimal places)

Site Name: Hallertau 5 Federal Battery	Site Type: Battery
Date Release Discovered: 1/17/2021	API# (if applicable)

Unit Letter	Section	Township	Range	County
М	5	26S	32E	Lea

Surface Owner: State Federal Tribal Private (Name:

Nature and Volume of Release

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

Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
Produced Water	Volume Released (bbls) 150	Volume Recovered (bbls) 40
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	Yes No
Condensate	Volume Released (bbls)	Volume Recovered (bbls)
Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)
Cause of Release: Corr	osion	

A hole developed in the 8-inch water line in between the separators and the gun barrel due to corrosion. We released 150 barrels of produced water outside of containment and we were able to recover 40 barrels.

e.	2			

Page

Oil Conservation Division

Incident ID	nAPP2101857967
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Was this a major	If YES, for what reason(s) does the responsible party consider this a major release?		
release as defined by	Amount of release greater than 25 barrels.		
19.15.29.7(A) NMÁC?			
🛛 Yes 🗌 No			
If YES, was immediate no	otice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?		
By: Gloria Garza			
To: EMNRD OCD District 1 Spills, Robert Hamlet, Cristina Eads, BLM NM CFO Spill			
By: Email			
By. Linan			

Initial Response

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

 \square The source of the release has been stopped.

The impacted area has been secured to protect human health and the environment.

Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.

All free liquids and recoverable materials have been removed and managed appropriately.

If all the actions described above have not been undertaken, explain why:

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

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Printed Name: Laci Luig	Title: ESH Specialist
Signature: <u>Aac</u>	Date: 1/18/2021
email: lluig@cimarex.com	Telephone: (432) 208-3035
OCD Only	

Received by OCD: 2/18/2021 2:50:43 PM Form C-141 State of New Mexico

Oil Conservation Division

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Incident ID	nAPP2101857967	
District RP		
Facility ID		
Application ID		

Site Assessment/Characterization

This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

What is the shallowest depth to groundwater beneath the area affected by the release?	<u>155</u> (ft bgs)
Did this release impact groundwater or surface water?	🗌 Yes 🛛 No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	🗌 Yes 🛛 No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	🗌 Yes 🛛 No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	🗌 Yes 🛛 No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	🗌 Yes 🛛 No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	🗌 Yes 🛛 No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	🗌 Yes 🛛 No
Are the lateral extents of the release within 300 feet of a wetland?	🗌 Yes 🛛 No
Are the lateral extents of the release overlying a subsurface mine?	🗌 Yes 🛛 No
Are the lateral extents of the release overlying an unstable area such as karst geology?	🗌 Yes 🛛 No
Are the lateral extents of the release within a 100-year floodplain?	🗌 Yes 🛛 No
Did the release impact areas not on an exploration, development, production, or storage site?	🗌 Yes 🔀 No

Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.

Characterization Report Checklist: Each of the following items must be included in the report.

- Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- 🔀 Field data

Page 3

- Data table of soil contaminant concentration data
- Depth to water determination
- Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release
- Boring or excavation logs
- Photographs including date and GIS information
- Topographic/Aerial maps
- Laboratory data including chain of custody

If the site characterization report does not include completed efforts at remediation of the release, the report must include a proposed remediation plan. That plan must include the estimated volume of material to be remediated, the proposed remediation technique, proposed sampling plan and methods, anticipated timelines for beginning and completing the remediation. The closure criteria for a release are contained in Table 1 of 19.15.29.12 NMAC, however, use of the table is modified by site- and release-specific parameters.

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Received by OCD: 2/18/20	21 2:50:43 PM State of New Mexico			Page 4 of 12
			Incident ID	nAPP2101857967
Page 4	Oil Conservation Divis	nservation Division		
			Facility ID	
			Application ID	
regulations all operators are public health or the environ failed to adequately investig addition, OCD acceptance of and/or regulations. Printed Name: Laci Luig	· 20	se notifications and perform co y the OCD does not relieve the a threat to groundwater, surfa tor of responsibility for comp Title: ESH Specialist	orrective actions for rele e operator of liability sh ace water, human health liance with any other fe	eases which may endanger ould their operations have or the environment. In deral, state, or local laws
OCD Only		_		
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Oil Conservation Division

Incident ID	nAPP2101857967
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Facility ID	
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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

Page 5

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 co	nfirmed 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 healt	h, the environment, or groundwater.						
	acceptance of a C-141 report does not relieve the operator of						
Printed Name: Laci Luig	Title: ESH Specialist						
Signature: <u>Aac</u>	Date: 2/18/2021						
email: lluig@cimarex.com	Telephone: (432) 208-3035						
OCD Only							
Received by:	Date:						
Approved Approved with Attached Conditions of	Approval Denied Deferral Approved						
Signature:	Date:						

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February 12, 2021

NMOCD District 1 1625 N French Drive Hobbs, NM 88240

Re: Variance Request Cimarex Energy Co. Hallertau #5 Battery NMOCD Reference #: nAPP2101857967

To Whom It May Concern

RXSoil, Inc. is pleased to submit the variance request for the remediation of produced water impacted soil for the above release.

Sincerely,

Jace Caraway Chief Operating Officer RXSoil, Inc. (940) 210-2051

Zug Rellie

Zach Robbins Technical and Engineering Analyst RXSoil, Inc. (210) 400-7645

Table of Contents

Ι.	Introduction	. 3
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III.	Closure Reporting	. 3
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2.	Spill Map	. 6
3.	Water Well Map	. 7

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D.	Laboratory Reports	. 16
Ε.	Site Photographs	.121

I. Introduction

On behalf of Cimarex Energy Co., RXSoil, Inc. ("RXSoil") has prepared this variance request that describes remediation of the release at the Hallertau #5 tank battery (Coordinates: 32.06736, - 103.70277, Vicinity Map shown as *Figure 1*) in Lea County with reference number nAPP2101857967.

The C-141 is given in Appendix A.

II. Site Assessment/Characterization

- 1. **Spill Map** See *Figure 2*
- 2. **Depth to ground water** The nearest water well is less than one mile to the west of the location with a depth to groundwater of 155 feet (see *Figure 3* for map and *Appendix B* for water well information).
- 3. **Wellhead protection area** There are no known water sources within a half mile of the release.
- 4. **Distance to nearest significant watercourse** There are no significant watercourses within a half mile of the release.
- 5. Soil/waste characteristics The release was delineated horizontally and vertically during excavation. Excavation was guided by field data, testing soil samples until results showed chloride levels below 600 mg/kg at the top four feet, per 19.15.29.13.D.1. Sidewall and bottom sample locations are shown in *Figure* 2 with a summary table given as *Appendix C*. Each sample represents less than 200 square feet. Excavation went vertically and horizontally until clean soil was found (600 mg/kg chloride per field testing at top four feet and 20,000 mg/kg below the top four feet per Table 1). Soil samples were submitted to Cardinal Laboratories and tested for chlorides, TPH and BTEX. All samples tested below Table 1 thresholds for projects with depth to groundwater >100 feet, except for those listed in Section IV. Results from these tests are summarized in *Appendix C* with the laboratory report shown in *Appendix D*.

III. Closure Reporting

- 1. Scaled site and sampling diagram See *Figure 2* for excavation samples.
- 2. **Photographs of remediated site prior to backfill** See *Appendix E* for photographs of the site prior to backfill.
- 3. **Laboratory analyses of final sampling** See *Appendix D* for laboratory reports summarized in *Appendix B*.
- 4. **Description of all remedial activities** Excavation of contaminated material began based on the area affected by the spill. Sidewall samples were collected representing 200 square feet and field screened for chlorides. Excavation continued until all field screenings tested below threshold (600 mg/kg chloride at top four feet and 20,000 mg/kg below). Vertical excavation continued using the same process. Sample locations are shown in *Figure 2* while results are summarized in a table in *Appendix B*.

Sidewall and bottom samples were taken using a stainless-steel hand shovel. All tools were decontaminated before each sample, as specified in *Field Equipment Cleaning and Decontamination* (EPA, 2015). This includes wiping the equipment clean, water-rinsing the equipment, washing the equipment in detergent and water, and rinsing the equipment in water.

Samples were temporarily transferred to a new plastic bag in the field. Once in a location safer for handling glass, the samples were transferred to glass jars, supplied by an approved laboratory. The threads on all jars were wiped clean to allow an air-tight seal. Samples were transferred on ice to a third-party laboratory to ensure tests were completed within 14 days (as recommended in the EPA handbook).

All lab reports of sampling can be found in Appendix D.

IV. Variance Request

Sidewall samples ES11 and ES13 and bottom samples EB62, EB63 and EB64 were taken adjacent to equipment that prevented any further safe excavation. EB62, EB63 and EB64 were taken from a depth of 0.5 feet as a rock layer prevented further sampling and vertical excavation. Best efforts were made to remove all contaminated material including hydroexcavation. RXSoil is requesting a variance to defer the areas represented by these five samples.

At the request of the BLM, RXSoil is requesting a variance to place a 20-mil polyliner on the subsurface in the areas represented by samples EB45, EB59 and EB60 which tested at 2520 mg/kg, 2000 mg/ kg and 6800 mg/kg chloride at a depth of four feet. The bottom of the plume was identified at six feet deep, per request of the BLM.

If approved, the liner will be installed and backfill will commence. A closure request will be prepared and submitted summarizing all remedial events.



Hallertau 5 Federal Tank Battery

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Google 5 arth Released to Imaging: 6/29/2021 7:30:47 AM

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Bottom Sample Location Excavation Outline Sidewall Sample Location



100 ft

Figure 3 - Water Rights Map



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GIS WATERS PODs OSE Distric

OSE District Boundary SiteBoundaries

Active New Mexico State Trust Lands

Pending

Both Estates

1:18,056 0 0.17 0.35 0.7 mi 0 0.3 0.6 1.2 km

USDA FSA, GeoEye, Maxar, Esri, HERE, iPC, U.S, Department of Energy Office of Legacy Management, Esri, HERE, Garmin, iPC

OSE POD Locations

The New Mexico Office of the State Engineer (OSE) provides this geographic data and any associated metadata "as is" without warrantly of any kind, including but not limited to its completeness, filness for a particular use, or accuracy of its content, positional or otherwise. It is the sole responsibility of the user to

APPENDIX A

C-141

Received by OCD: 2/18/2021 2:50:43 PM Form C-141 State of New Mexico

Oil Conservation Division

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Incident ID	nAPP2101857967	
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Facility ID		
Application ID		

Site Assessment/Characterization

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Did this release impact groundwater or surface water?	🗌 Yes 🛛 No
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Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	🗌 Yes 🛛 No
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Are the lateral extents of the release within 300 feet of a wetland?	🗌 Yes 🛛 No
Are the lateral extents of the release overlying a subsurface mine?	🗌 Yes 🛛 No
Are the lateral extents of the release overlying an unstable area such as karst geology?	🗌 Yes 🛛 No
Are the lateral extents of the release within a 100-year floodplain?	🗌 Yes 🛛 No
Did the release impact areas not on an exploration, development, production, or storage site?	🗌 Yes 🔀 No

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- Field data

Page 3

- Data table of soil contaminant concentration data
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- Photographs including date and GIS information
- Topographic/Aerial maps
- Laboratory data including chain of custody

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F0fm C-141			Incident ID	nAPP2101857967
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regulations all operators are requ public health or the environment failed to adequately investigate a	۱ ۲	fications and perform co DCD does not relieve the eat to groundwater, surface	rrective actions for rele operator of liability sho ce water, human health iance with any other fee	eases which may endanger ould their operations have or the environment. In deral, state, or local laws
OCD Only				
OCD Only		-		
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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 confirmed 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 to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. Printed Name: Laci Luig Title: ESH Specialist Signature: $\propto \alpha c$ Date: 2/18/2021 Telephone: (432) 208-3035 email: lluig@cimarex.com **OCD Only** Chad Hensley Date: 06/29/2021 Received by: Approved Approved with Attached Conditions of Approval Denied Deferral Approved Chud Heno 06/29/2021 Signature: Date:

APPENDIX B

NEARBY WATER WELL INFORMATION



New Mexico Office of the State Engineer Point of Diversion Summary

			(1				W 4=SE)				
			(quarte	rs are sm	allest t	to larges	t)	(NAD83 UI	ΓM in meters)		
Well Tag	POD	Number	Q64 Q	16 Q4	Sec	Tws	Rng	X	Y		
NA	C 0	4209 POD1	2	3 3	06	26S	32E	620903	3548619 🌍		
Driller Lic	ense:	1706	Driller (Compa	ny:	EL	ITE DRI	LLERS CO	RPORATION		
Driller Na	me:	BRYCE WALLA	CE								
Drill Start	Date:	04/28/2018	Drill Fir	Drill Finish Date: 05/01/2018				8 Plu	Plug Date:		
Log File D	ate:	05/21/2018	PCW R	PCW Rcv Date:					Source:		
Pump Typ	e:		Pipe Dis	Pipe Discharge Size:					Estimated Yield:		
Casing Siz	ze:	6.00	Depth V	Vell:		3	60 feet	De	pth Water:	155 feet	
x	Wate	er Bearing Stratif	ications:	To	p B	Bottom	Descri	iption			
				1	5	350) Sandst	tone/Gravel/	Conglomerate		
Casing Perfor			forations:	То	p B	Bottom					
				20		360					

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.

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POINT OF DIVERSION SUMMARY

APPENDIX C

EXCAVATION SUMMARY TABLE

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						Excavatio	n Data - Cim	arex Hallert	au						
Sample ID	Sample	Depth (ft)	Sample Date	Analyzed Date	Chlo		D		BTEX (8021B		T-A-LOTEV	CDO		3015M)	00.005
ES1	Type Sidewall	-	1/27/2021	(Latest) 2/2/2021	Field Strip 148	M4500 160	Benzene <0.050	<pre>Column </pre>	thylbenzen <0.050	otal Xylene <0.150	<0.300	GRO <10.0	DRO <10.0	EXT DRO <10.0	C6-C35 <30.0
ES2	Sidewall		1/27/2021	2/2/2021	ND	224	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<30.0
ES3	Sidewall		1/27/2021	2/2/2021	224	224	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<30.0
ES4	Sidewall		1/27/2021	2/2/2021	ND	16.0	< 0.050	< 0.050	< 0.050	<0.150	< 0.300	<10.0	<10.0	<10.0	<30.0
ES5 ES6	Sidewall Sidewall		1/27/2021 1/27/2021	2/2/2021 2/2/2021	ND ND	32.0 80.0	<0.050 <0.050	<0.050 <0.050	<0.050 <0.050	<0.150 <0.150	<0.300 <0.300	<10.0 <10.0	<10.0 <10.0	<10.0 <10.0	<30.0 <30.0
ES7	Sidewall		1/27/2021	2/2/2021	ND	48.0	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<30.0
ES8	Sidewall		1/27/2021	2/2/2021	148	128	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<30.0
ES9	Sidewall		1/27/2021	2/2/2021	ND	32.0	< 0.050	< 0.050	<0.050	<0.150	< 0.300	<10.0	<10.0	<10.0	<30.0
ES10 ES11	Sidewall Sidewall		1/27/2021 1/27/2021	2/2/2021 2/2/2021	ND 2808	80.0 3080	<0.050 <0.050	<0.050 <0.050	<0.050 <0.050	<0.150 <0.150	<0.300 <0.300	<10.0 <10.0	<10.0 <10.0	<10.0 <10.0	<30.0 <30.0
ES12	Sidewall		1/27/2021	2/2/2021	628	592	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<30.0
ES13	Sidewall		1/27/2021	2/2/2021	748	816	<0.050	< 0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<30.0
ES14	Sidewall		1/27/2021	2/2/2021	ND	192	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<30.0
ES15	Sidewall		1/27/2021	2/2/2021 2/2/2021	ND 364	96.0	<0.050	< 0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<30.0
ES16 ES17	Sidewall Sidewall		1/27/2021 1/27/2021	2/2/2021	ND ND	368 128	<0.050 <0.050	<0.050 <0.050	<0.050 <0.050	<0.150 <0.150	<0.300 <0.300	<10.0 <10.0	<10.0 <10.0	<10.0 <10.0	<30.0 <30.0
ES18	Sidewall		1/27/2021	2/2/2021	ND	112	< 0.050	< 0.050	< 0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<30.0
ES19	Sidewall		1/27/2021	2/2/2021	184	448	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<30.0
ES20	Sidewall		1/27/2021	2/2/2021	184	240	< 0.050	< 0.050	< 0.050	<0.150	< 0.300	<10.0	<10.0	<10.0	<30.0
ES21 EB1	Sidewall Bottom	2.5	1/27/2021 1/27/2021	2/2/2021 2/2/2021	ND ND	240 144	<0.050 <0.050	<0.050 <0.050	<0.050 <0.050	<0.150 <0.150	<0.300 <0.300	<10.0 <10.0	10.5 <10.0	<10.0 <10.0	10.5 <30.0
EB2	Bottom	2.5	1/27/2021	2/2/2021	ND	128	<0.050	< 0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<30.0
EB3	Bottom	2	1/27/2021	2/2/2021	268	256	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<30.0
EB4	Bottom	2	1/27/2021	2/2/2021	ND	128	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<30.0
EB5 EB6	Bottom Bottom	2	1/27/2021 1/27/2021	2/2/2021 2/2/2021	ND ND	144 96.0	<0.050 <0.050	<0.050 <0.050	<0.050 <0.050	<0.150 <0.150	<0.300 <0.300	<10.0 <10.0	<10.0 <10.0	<10.0 <10.0	<30.0 <30.0
EB7	Bottom	2	1/27/2021	2/2/2021	224	240	<0.050	< 0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<30.0
EB8	Bottom	2	1/27/2021	2/2/2021	ND	96.0	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<30.0
EB9	Bottom	2	1/27/2021	2/2/2021	ND	112	<0.050	< 0.050	< 0.050	<0.150	< 0.300	<10.0	<10.0	<10.0	<30.0
EB10 EB11	Bottom Bottom	2.5	1/27/2021 1/27/2021	2/2/2021 2/2/2021	ND ND	64.0 176	<0.050 <0.050	<0.050 <0.050	<0.050 <0.050	<0.150 <0.150	<0.300 <0.300	<10.0 <10.0	<10.0 <10.0	<10.0 <10.0	<30.0 <30.0
EB11 EB12	Bottom	2	1/27/2021	2/2/2021	ND	176	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<30.0
EB13	Bottom	2	1/27/2021	2/2/2021	ND	128	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<30.0
EB14	Bottom	2	1/27/2021	2/2/2021	ND	48.0	<0.050	< 0.050	< 0.050	<0.150	< 0.300	<10.0	<10.0	<10.0	<30.0
EB15 EB16	Bottom	2	1/27/2021 1/27/2021	2/2/2021	184 ND	224	<0.050 <0.050	<0.050 <0.050	<0.050 <0.050	<0.150	<0.300	<10.0	<10.0	<10.0 <10.0	<30.0
EB16 EB17	Bottom Bottom	2.5	1/27/2021	2/2/2021 2/2/2021	ND ND	80.0 32.0	<0.050	<0.050	<0.050	<0.150 <0.150	<0.300 <0.300	<10.0 <10.0	<10.0 <10.0	<10.0	<30.0 <30.0
EB18	Bottom	2	1/27/2021	2/2/2021	ND	48.0	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<30.0
EB19	Bottom	2	1/27/2021	2/2/2021	ND	16.0	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<30.0
EB20	Bottom	2	1/27/2021	2/2/2021	ND	96.0	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<30.0
EB21 EB22	Bottom Bottom	2	1/27/2021 1/27/2021	2/2/2021 2/2/2021	ND ND	64.0 32.0	<0.050 <0.050	<0.050 <0.050	<0.050 <0.050	<0.150 <0.150	<0.300 <0.300	<10.0 <10.0	<10.0 <10.0	<10.0 <10.0	<30.0 <30.0
EB23	Bottom	2	1/27/2021	2/2/2021	ND	80.0	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<30.0
EB24	Bottom	2	1/27/2021	2/2/2021	ND	112	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<30.0
EB25	Bottom	2	1/27/2021	2/2/2021	148	240	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<30.0
EB26 EB27	Bottom Bottom	4	1/28/2021 1/28/2021	2/2/2021 2/2/2021	1432 ND	1360 80.0	<0.050 <0.050	<0.050 <0.050	<0.050 <0.050	<0.150 <0.150	<0.300 <0.300	<10.0 <10.0	<10.0 <10.0	<10.0 <10.0	<30.0 <30.0
EB28	Bottom	4	1/28/2021	2/2/2021	268	288	< 0.050	< 0.050	< 0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<30.0
EB29	Bottom	4	1/28/2021	2/2/2021	364	512	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<30.0
EB30	Bottom	4	1/28/2021	2/2/2021	364	464	<0.050	< 0.050	< 0.050	<0.150	< 0.300	<10.0	<10.0	<10.0	<30.0
EB31 EB32	Bottom Bottom	4	1/28/2021 1/28/2021	2/2/2021 2/2/2021	1340 464	880 496	<0.050 <0.050	<0.050 <0.050	<0.050 <0.050	<0.150 <0.150	<0.300 <0.300	<10.0 <10.0	<10.0 <10.0	<10.0 <10.0	<30.0 <30.0
EB32 EB33	Bottom	4	1/28/2021	2/2/2021 2/2/2021	464 516	496 656	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<30.0
EB34	Bottom	4	1/28/2021	2/2/2021	876	1010	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<30.0
EB35	Bottom	4	1/28/2021	2/2/2021	268	384	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<30.0
EB36 EB37	Bottom	4	1/28/2021 1/28/2021	2/2/2021 2/2/2021	1252	1360 704	<0.050 <0.050	<0.050 <0.050	<0.050 <0.050	<0.150 <0.150	<0.300 <0.300	<10.0 <10.0	<10.0 <10.0	<10.0 <10.0	<30.0 <30.0
EB37 EB37	Bottom Bottom	4	2/4/2021	2/2/2021 2/5/2021	364	400	<0.050	< 0.050	< 0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<30.0
EB38	Bottom	4	1/28/2021	2/2/2021	412	560	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<30.0
EB39	Bottom	4	1/28/2021	2/2/2021	948	1340	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<30.0
EB40	Bottom	4	1/28/2021	2/2/2021	516	528	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<30.0
EB41	Bottom	4	1/28/2021	2/2/2021	316	432	<0.050	<0.050	< 0.050	<0.150	< 0.300	<10.0	<10.0	<10.0	<30.0
EB42 EB43	Bottom	4	1/28/2021	2/2/2021	464 364	496 512	<0.050	<0.050 <0.050	<0.050	<0.150	<0.300	<10.0 <10.0	<10.0 <10.0	<10.0 <10.0	<30.0 <30.0
EB43 EB44	Bottom Bottom	4	1/28/2021 1/28/2021	2/2/2021 2/2/2021	364	512	<0.050 <0.050	<0.050	<0.050 <0.050	<0.150 <0.150	<0.300 <0.300	<10.0	<10.0	<10.0	<30.0
EB44 EB45	Bottom	4	1/28/2021	2/2/2021	364 1988	2520	< 0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<30.0
EB45	Bottom	6	2/9/2021	2/11/2021	-	400	-	-	-	-	-	-			-
EB46	Bottom	4	1/28/2021	2/2/2021	688	976	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<30.0
EB47	Bottom	4	1/28/2021	2/2/2021	364	400	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<30.0
EB48	Bottom	4	1/28/2021	2/2/2021	268	416	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<30.0
EB49	Bottom	4	1/28/2021	2/2/2021	948	1180	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<30.0
EB50	Bottom	4	1/28/2021	2/2/2021 2/2/2021	ND	160	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<30.0
EB51 EB52	Bottom Bottom	4	1/28/2021 1/28/2021	2/2/2021 2/2/2021	ND 268	32.0 240	<0.050 <0.050	<0.050 <0.050	<0.050 <0.050	<0.150 <0.150	<0.300 <0.300	<10.0 <10.0	<10.0 <10.0	<10.0 <10.0	<30.0 <30.0
EB52 EB53	Bottom	4	1/28/2021	2/2/2021	268 ND	32.0	< 0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<30.0
EB54	Bottom	4	1/28/2021	2/2/2021	184	128	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<30.0
EB55	Bottom	4	1/28/2021	2/2/2021	ND	48.0	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<30.0
EB56	Bottom	4	1/28/2021	2/2/2021	184	1120	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<30.0
EB57	Bottom	4	1/28/2021	2/2/2021	184	544	<0.050	< 0.050	<0.050	<0.150	< 0.300	<10.0	<10.0	<10.0	<30.0
EB58 EB59	Bottom Bottom	4	1/28/2021 1/28/2021	2/2/2021 2/2/2021	ND 1340	224 2000	<0.050 <0.050	<0.050 <0.050	<0.050 <0.050	<0.150 <0.150	<0.300 <0.300	<10.0 <10.0	<10.0 <10.0	<10.0 <10.0	<30.0 <30.0
EB59 EB59	Bottom	6	2/9/2021	2/2/2021 2/11/2021	- 1340	464	-0.050	-0.050	-0.050	-0.150		- 10.0			
EB60	Bottom	4	1/28/2021	2/2/2021	6408	6800	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<30.0
EB60	Bottom	6	2/9/2021	2/11/2021	-	416	-	-	-	-	-	-	-	-	-
EB61	Bottom	4	1/28/2021	2/2/2021	364	416	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<30.0
EB62 EB63	Bottom Bottom	0.5	1/28/2021 1/28/2021	2/2/2021 2/2/2021	2240 3064	2760 4640	<0.050 <0.050	<0.050 <0.050	<0.050 <0.050	<0.150 <0.150	<0.300 <0.300	<10.0 <10.0	44.4 <10.0	<10.0 <10.0	44.4 <30.0
EB64	Bottom	0.5	1/28/2021	2/2/2021	7536	10000	< 0.050	< 0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<30.0
NMOCD T	hresholds					600	10				50				100
		e results abo	WA BRAI												_

 NMOCD Thresholds
 System

 BOLD results indicate results above RRAL
 Orange fill indicates the outer wall or bottom of excavation

 ND indicates "non-detectable" results that were below method limitations
 All units in mg/kg unless otherwise noted

 - indicates no test was ran

APPENDIX D

LABORATORY REPORTS



February 03, 2021

MATTHEW LONGCRIER RX-SOIL INC. 201 MAIN STREET, SUITE 1360 FORT WORTH, TX 76102

RE: HALLERTAN #5

Enclosed are the results of analyses for samples received by the laboratory on 01/29/21 16:40.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-20-13. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/ga/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



		201 MAIN	NC. / LONGCRIER STREET, SUIT RTH TX, 76102		
		Fax To:	NA		
Received:	01/29/2021			Sampling Date:	01/27/2021
Reported:	02/03/2021			Sampling Type:	Soil
Project Name:	HALLERTAN #5			Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN			Sample Received By:	Celey D. Keene
Project Location:	NOT GIVEN				

Sample ID: E S - 1 (H210229-01)

BTEX 8021B	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/01/2021	ND	2.08	104	2.00	4.93	
Toluene*	<0.050	0.050	02/01/2021	ND	2.00	99.8	2.00	4.74	
Ethylbenzene*	<0.050	0.050	02/01/2021	ND	1.96	97.9	2.00	5.72	
Total Xylenes*	<0.150	0.150	02/01/2021	ND	5.82	97.0	6.00	5.41	
Total BTEX	<0.300	0.300	02/01/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 73.3-12	9						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	02/02/2021	ND	400	100	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/01/2021	ND	169	84.4	200	7.62	
DRO >C10-C28*	<10.0	10.0	02/01/2021	ND	170	85.2	200	7.52	
EXT DRO >C28-C36	<10.0	10.0	02/01/2021	ND					
Surrogate: 1-Chlorooctane	97.2	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	98.8	% 42.2-15	6						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



		201 MAIN 9	IC. LONGCRIER STREET, SUITE 1 TH TX, 76102	360	
		Fax To:	NA		
Received:	01/29/2021			Sampling Date:	01/27/2021
Reported:	02/03/2021			Sampling Type:	Soil
Project Name:	HALLERTAN #5			Sampling Condition:	Cool & Intact
Project Number: Project Location:	NONE GIVEN NOT GIVEN			Sample Received By:	Celey D. Keene

Sample ID: E S - 2 (H210229-02)

BTEX 8021B	mg	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/01/2021	ND	2.08	104	2.00	4.93	
Toluene*	<0.050	0.050	02/01/2021	ND	2.00	99.8	2.00	4.74	
Ethylbenzene*	<0.050	0.050	02/01/2021	ND	1.96	97.9	2.00	5.72	
Total Xylenes*	<0.150	0.150	02/01/2021	ND	5.82	97.0	6.00	5.41	
Total BTEX	<0.300	0.300	02/01/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	73.3-12	9						
Chloride, SM4500Cl-B	mg,	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	02/02/2021	ND	400	100	400	0.00	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/01/2021	ND	169	84.4	200	7.62	
DRO >C10-C28*	<10.0	10.0	02/01/2021	ND	170	85.2	200	7.52	
EXT DRO >C28-C36	<10.0	10.0	02/01/2021	ND					
Surrogate: 1-Chlorooctane	93.0	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	94.4	% 42.2-15	6						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



		201 MAIN	NC. LONGCRIER STREET, SUITE RTH TX, 76102	1360	
		Fax To:	NA		
Received:	01/29/2021			Sampling Date:	01/27/2021
Reported:	02/03/2021			Sampling Type:	Soil
Project Name:	HALLERTAN #5			Sampling Condition:	Cool & Intact
Project Number: Project Location:	NONE GIVEN NOT GIVEN			Sample Received By:	Celey D. Keene

Sample ID: E S - 3 (H210229-03)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/01/2021	ND	2.08	104	2.00	4.93	
Toluene*	<0.050	0.050	02/01/2021	ND	2.00	99.8	2.00	4.74	
Ethylbenzene*	<0.050	0.050	02/01/2021	ND	1.96	97.9	2.00	5.72	
Total Xylenes*	<0.150	0.150	02/01/2021	ND	5.82	97.0	6.00	5.41	
Total BTEX	<0.300	0.300	02/01/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.4	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	02/02/2021	ND	400	100	400	0.00	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/01/2021	ND	169	84.4	200	7.62	
DRO >C10-C28*	<10.0	10.0	02/01/2021	ND	170	85.2	200	7.52	
EXT DRO >C28-C36	<10.0	10.0	02/01/2021	ND					
Surrogate: 1-Chlorooctane	90.6	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	91.1	% 42.2-15	6						

Cardinal Laboratories

*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



		201 MAIN 9	IC. LONGCRIER STREET, SUITE 1 RTH TX, 76102	.360	
		Fax To:	NA		
Received:	01/29/2021			Sampling Date:	01/28/2021
Reported:	02/03/2021			Sampling Type:	Soil
Project Name:	HALLERTAN #5			Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN			Sample Received By:	Celey D. Keene
Project Location:	NOT GIVEN				

Sample ID: E S - 4.2 (H210229-04)

BTEX 8021B	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/01/2021	ND	2.08	104	2.00	4.93	
Toluene*	<0.050	0.050	02/01/2021	ND	2.00	99.8	2.00	4.74	
Ethylbenzene*	<0.050	0.050	02/01/2021	ND	1.96	97.9	2.00	5.72	
Total Xylenes*	<0.150	0.150	02/01/2021	ND	5.82	97.0	6.00	5.41	
Total BTEX	<0.300	0.300	02/01/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.2	% 73.3-12	9						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	02/02/2021	ND	400	100	400	0.00	
TPH 8015M	mg	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/01/2021	ND	169	84.4	200	7.62	
DRO >C10-C28*	<10.0	10.0	02/01/2021	ND	170	85.2	200	7.52	
EXT DRO >C28-C36	<10.0	10.0	02/01/2021	ND					
Surrogate: 1-Chlorooctane	86.4	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	87.2	% 42.2-15	6						

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



		201 MAIN 9	IC. LONGCRIER STREET, SUITE 1 RTH TX, 76102	.360	
		Fax To:	NA		
Received:	01/29/2021			Sampling Date:	01/28/2021
Reported:	02/03/2021			Sampling Type:	Soil
Project Name:	HALLERTAN #5			Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN			Sample Received By:	Celey D. Keene
Project Location:	NOT GIVEN				

Sample ID: E S - 5.2 (H210229-05)

BTEX 8021B	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/01/2021	ND	2.08	104	2.00	4.93	
Toluene*	<0.050	0.050	02/01/2021	ND	2.00	99.8	2.00	4.74	
Ethylbenzene*	<0.050	0.050	02/01/2021	ND	1.96	97.9	2.00	5.72	
Total Xylenes*	<0.150	0.150	02/01/2021	ND	5.82	97.0	6.00	5.41	
Total BTEX	<0.300	0.300	02/01/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.4	% 73.3-12	9						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	02/02/2021	ND	400	100	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/01/2021	ND	169	84.4	200	7.62	
DRO >C10-C28*	<10.0	10.0	02/01/2021	ND	170	85.2	200	7.52	
EXT DRO >C28-C36	<10.0	10.0	02/01/2021	ND					
Surrogate: 1-Chlorooctane	91.5	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	92.8	% 42.2-15	6						

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



		201 MAIN :	IC. LONGCRIER STREET, SUITE 1 RTH TX, 76102	1360	
		Fax To:	NA		
Received:	01/29/2021			Sampling Date:	01/27/2021
Reported:	02/03/2021			Sampling Type:	Soil
Project Name:	HALLERTAN #5			Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN			Sample Received By:	Celey D. Keene
Project Location:	NOT GIVEN				

Sample ID: E S - 6.2 (H210229-06)

BTEX 8021B	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/01/2021	ND	2.08	104	2.00	4.93	
Toluene*	<0.050	0.050	02/01/2021	ND	2.00	99.8	2.00	4.74	
Ethylbenzene*	<0.050	0.050	02/01/2021	ND	1.96	97.9	2.00	5.72	
Total Xylenes*	<0.150	0.150	02/01/2021	ND	5.82	97.0	6.00	5.41	
Total BTEX	<0.300	0.300	02/01/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 73.3-12	9						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	02/02/2021	ND	400	100	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/01/2021	ND	169	84.4	200	7.62	
DRO >C10-C28*	<10.0	10.0	02/01/2021	ND	170	85.2	200	7.52	
EXT DRO >C28-C36	<10.0	10.0	02/01/2021	ND					
Surrogate: 1-Chlorooctane	96.5	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	96.1	% 42.2-15	6						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



		201 MAIN	NC. LONGCRIER STREET, SUITE : RTH TX, 76102	1360	
		Fax To:	NA		
Received:	01/29/2021			Sampling Date:	01/28/2021
Reported:	02/03/2021			Sampling Type:	Soil
Project Name:	HALLERTAN #5			Sampling Condition:	Cool & Intact
Project Number: Project Location:	NONE GIVEN NOT GIVEN			Sample Received By:	Celey D. Keene

Sample ID: E S - 7.3 (H210229-07)

BTEX 8021B	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/01/2021	ND	2.08	104	2.00	4.93	
Toluene*	<0.050	0.050	02/01/2021	ND	2.00	99.8	2.00	4.74	
Ethylbenzene*	<0.050	0.050	02/01/2021	ND	1.96	97.9	2.00	5.72	
Total Xylenes*	<0.150	0.150	02/01/2021	ND	5.82	97.0	6.00	5.41	
Total BTEX	<0.300	0.300	02/01/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.4	% 73.3-12	9						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	02/02/2021	ND	400	100	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/02/2021	ND	177	88.7	200	8.78	
DRO >C10-C28*	<10.0	10.0	02/02/2021	ND	170	85.1	200	3.55	
EXT DRO >C28-C36	<10.0	10.0	02/02/2021	ND					
Surrogate: 1-Chlorooctane	88.9	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	89.6	% 42.2-15	6						

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



		201 MAIN :	IC. LONGCRIER STREET, SUITE 1 RTH TX, 76102	1360	
		Fax To:	NA		
Received:	01/29/2021			Sampling Date:	01/27/2021
Reported:	02/03/2021			Sampling Type:	Soil
Project Name:	HALLERTAN #5			Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN			Sample Received By:	Celey D. Keene
Project Location:	NOT GIVEN				

Sample ID: E S - 8.2 (H210229-08)

BTEX 8021B	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/01/2021	ND	2.08	104	2.00	4.93	
Toluene*	<0.050	0.050	02/01/2021	ND	2.00	99.8	2.00	4.74	
Ethylbenzene*	<0.050	0.050	02/01/2021	ND	1.96	97.9	2.00	5.72	
Total Xylenes*	<0.150	0.150	02/01/2021	ND	5.82	97.0	6.00	5.41	
Total BTEX	<0.300	0.300	02/01/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.9	% 73.3-12	9						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	02/02/2021	ND	400	100	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/02/2021	ND	177	88.7	200	8.78	
DRO >C10-C28*	<10.0	10.0	02/02/2021	ND	170	85.1	200	3.55	
EXT DRO >C28-C36	<10.0	10.0	02/02/2021	ND					
Surrogate: 1-Chlorooctane	96.1	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	98.7	% 42.2-15	6						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



		201 MAIN	NC. LONGCRIER STREET, SUITE RTH TX, 76102	1360	
		Fax To:	NA		
Received:	01/29/2021			Sampling Date:	01/27/2021
Reported:	02/03/2021			Sampling Type:	Soil
Project Name:	HALLERTAN #5			Sampling Condition:	Cool & Intact
Project Number: Project Location:	NONE GIVEN NOT GIVEN			Sample Received By:	Celey D. Keene

Sample ID: E S - 9.2 (H210229-09)

BTEX 8021B	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/01/2021	ND	2.08	104	2.00	4.93	
Toluene*	<0.050	0.050	02/01/2021	ND	2.00	99.8	2.00	4.74	
Ethylbenzene*	<0.050	0.050	02/01/2021	ND	1.96	97.9	2.00	5.72	
Total Xylenes*	<0.150	0.150	02/01/2021	ND	5.82	97.0	6.00	5.41	
Total BTEX	<0.300	0.300	02/01/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 73.3-12	9						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	02/02/2021	ND	400	100	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/02/2021	ND	177	88.7	200	8.78	
DRO >C10-C28*	<10.0	10.0	02/02/2021	ND	170	85.1	200	3.55	
EXT DRO >C28-C36	<10.0	10.0	02/02/2021	ND					
Surrogate: 1-Chlorooctane	97.8	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	102	% 42.2-15	6						

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Celey D. Keene, Lab Director/Quality Manager



		201 MAIN	NC. LONGCRIER STREET, SUITE : RTH TX, 76102	1360	
		Fax To:	NA		
Received:	01/29/2021			Sampling Date:	01/28/2021
Reported:	02/03/2021			Sampling Type:	Soil
Project Name:	HALLERTAN #5			Sampling Condition:	Cool & Intact
Project Number: Project Location:	NONE GIVEN NOT GIVEN			Sample Received By:	Celey D. Keene

Sample ID: E S - 10.2 (H210229-10)

BTEX 8021B	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/01/2021	ND	2.08	104	2.00	4.93	
Toluene*	<0.050	0.050	02/01/2021	ND	2.00	99.8	2.00	4.74	
Ethylbenzene*	<0.050	0.050	02/01/2021	ND	1.96	97.9	2.00	5.72	
Total Xylenes*	<0.150	0.150	02/01/2021	ND	5.82	97.0	6.00	5.41	
Total BTEX	<0.300	0.300	02/01/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	100	% 73.3-12	9						
Chloride, SM4500Cl-B	mg,	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	02/02/2021	ND	400	100	400	0.00	
TPH 8015M	mg,	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/02/2021	ND	177	88.7	200	8.78	
DRO >C10-C28*	<10.0	10.0	02/02/2021	ND	170	85.1	200	3.55	
EXT DRO >C28-C36	<10.0	10.0	02/02/2021	ND					
Surrogate: 1-Chlorooctane	89.2	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	95.9	% 42.2-15	6						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



		201 MAIN	NC. LONGCRIER STREET, SUITE : RTH TX, 76102	1360	
		Fax To:	NA		
Received:	01/29/2021			Sampling Date:	01/29/2021
Reported:	02/03/2021			Sampling Type:	Soil
Project Name:	HALLERTAN #5			Sampling Condition:	Cool & Intact
Project Number: Project Location:	NONE GIVEN NOT GIVEN			Sample Received By:	Celey D. Keene

Sample ID: E S - 11.3 (H210229-11)

BTEX 8021B	mg,	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/01/2021	ND	2.07	104	2.00	6.30	
Toluene*	<0.050	0.050	02/01/2021	ND	2.16	108	2.00	7.07	
Ethylbenzene*	<0.050	0.050	02/01/2021	ND	2.15	107	2.00	7.44	
Total Xylenes*	<0.150	0.150	02/01/2021	ND	6.70	112	6.00	6.64	
Total BTEX	<0.300	0.300	02/01/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	107	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3080	16.0	02/02/2021	ND	400	100	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/02/2021	ND	177	88.7	200	8.78	
DRO >C10-C28*	<10.0	10.0	02/02/2021	ND	170	85.1	200	3.55	
EXT DRO >C28-C36	<10.0	10.0	02/02/2021	ND					
Surrogate: 1-Chlorooctane	94.4	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	97.2	% 42.2-15	6						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



		201 MAIN	NC. 7 LONGCRIER STREET, SUITE RTH TX, 76102	1360	
		Fax To:	NA		
Received:	01/29/2021			Sampling Date:	01/29/2021
Reported:	02/03/2021			Sampling Type:	Soil
Project Name:	HALLERTAN #5			Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN			Sample Received By:	Celey D. Keene
Project Location:	NOT GIVEN				

Sample ID: E S - 12.3 (H210229-12)

BTEX 8021B	mg,	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/01/2021	ND	2.07	104	2.00	6.30	
Toluene*	<0.050	0.050	02/01/2021	ND	2.16	108	2.00	7.07	
Ethylbenzene*	<0.050	0.050	02/01/2021	ND	2.15	107	2.00	7.44	
Total Xylenes*	<0.150	0.150	02/01/2021	ND	6.70	112	6.00	6.64	
Total BTEX	<0.300	0.300	02/01/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	108	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	592	16.0	02/02/2021	ND	400	100	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/02/2021	ND	177	88.7	200	8.78	
DRO >C10-C28*	<10.0	10.0	02/02/2021	ND	170	85.1	200	3.55	
EXT DRO >C28-C36	<10.0	10.0	02/02/2021	ND					
Surrogate: 1-Chlorooctane	93.5	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	99.2	% 42.2-15	6						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



		RX-SOIL INC. MATTHEW LONGCRIER 201 MAIN STREET, SUITE 1360 FORT WORTH TX, 76102							
		Fax To:	NA						
Received:	01/29/2021			Sampling Date:	01/29/2021				
Reported:	02/03/2021			Sampling Type:	Soil				
Project Name:	HALLERTAN #5			Sampling Condition:	Cool & Intact				
Project Number: Project Location:	NONE GIVEN NOT GIVEN			Sample Received By:	Celey D. Keene				

Sample ID: E S - 13.3 (H210229-13)

BTEX 8021B	mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/01/2021	ND	2.07	104	2.00	6.30	
Toluene*	<0.050	0.050	02/01/2021	ND	2.16	108	2.00	7.07	
Ethylbenzene*	<0.050	0.050	02/01/2021	ND	2.15	107	2.00	7.44	
Total Xylenes*	<0.150	0.150	02/01/2021	ND	6.70	112	6.00	6.64	
Total BTEX	<0.300	0.300	02/01/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	816	16.0	02/02/2021	ND	400	100	400	0.00	
TPH 8015M	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/02/2021	ND	177	88.7	200	8.78	
DRO >C10-C28*	<10.0	10.0	02/02/2021	ND	170	85.1	200	3.55	
EXT DRO >C28-C36	<10.0	10.0	02/02/2021	ND					
Surrogate: 1-Chlorooctane	87.8 % 44.3-14		4						
Surrogate: 1-Chlorooctadecane	92.2	% 42.2-15	6						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



		RX-SOIL INC. MATTHEW LONGCRIER 201 MAIN STREET, SUITE 1360 FORT WORTH TX, 76102							
		Fax To:	NA						
Received:	01/29/2021			Sampling Date:	01/29/2021				
Reported:	02/03/2021			Sampling Type:	Soil				
Project Name:	HALLERTAN #5			Sampling Condition:	Cool & Intact				
Project Number: Project Location:	NONE GIVEN NOT GIVEN			Sample Received By:	Celey D. Keene				

Sample ID: E S - 14.2 (H210229-14)

BTEX 8021B	mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/01/2021	ND	2.07	104	2.00	6.30	
Toluene*	<0.050	0.050	02/01/2021	ND	2.16	108	2.00	7.07	
Ethylbenzene*	<0.050	0.050	02/01/2021	ND	2.15	107	2.00	7.44	
Total Xylenes*	<0.150	0.150	02/01/2021	ND	6.70	112	6.00	6.64	
Total BTEX	<0.300	0.300	02/01/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	107	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	02/02/2021	ND	400	100	400	0.00	
TPH 8015M	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/02/2021	ND	177	88.7	200	8.78	
DRO >C10-C28*	<10.0	10.0	02/02/2021	ND	170	85.1	200	3.55	
EXT DRO >C28-C36	<10.0	10.0	02/02/2021	ND					
Surrogate: 1-Chlorooctane	97.0 % 44.3-14		4						
Surrogate: 1-Chlorooctadecane	98.6	% 42.2-15	6						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager


		201 MAIN	NC. LONGCRIER STREET, SUITE : RTH TX, 76102	1360	
		Fax To:	NA		
Received:	01/29/2021			Sampling Date:	01/29/2021
Reported:	02/03/2021			Sampling Type:	Soil
Project Name:	HALLERTAN #5			Sampling Condition:	Cool & Intact
Project Number: Project Location:	NONE GIVEN NOT GIVEN			Sample Received By:	Celey D. Keene

Sample ID: E S - 15.3 (H210229-15)

BTEX 8021B	mg,	′kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/01/2021	ND	2.07	104	2.00	6.30	
Toluene*	<0.050	0.050	02/01/2021	ND	2.16	108	2.00	7.07	
Ethylbenzene*	<0.050	0.050	02/01/2021	ND	2.15	107	2.00	7.44	
Total Xylenes*	<0.150	0.150	02/01/2021	ND	6.70	112	6.00	6.64	
Total BTEX	<0.300	0.300	02/01/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	107	% 73.3-12	9						
Chloride, SM4500Cl-B	mg,	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	02/02/2021	ND	400	100	400	0.00	
TPH 8015M	mg,	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/02/2021	ND	177	88.7	200	8.78	
DRO >C10-C28*	<10.0	10.0	02/02/2021	ND	170	85.1	200	3.55	
EXT DRO >C28-C36	<10.0	10.0	02/02/2021	ND					
Surrogate: 1-Chlorooctane	96.6	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	98.7	% 42.2-15	6						

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



		201 MAIN	NC. LONGCRIER STREET, SUITE : RTH TX, 76102	1360	
		Fax To:	NA		
Received:	01/29/2021			Sampling Date:	01/28/2021
Reported:	02/03/2021			Sampling Type:	Soil
Project Name:	HALLERTAN #5			Sampling Condition:	Cool & Intact
Project Number: Project Location:	NONE GIVEN NOT GIVEN			Sample Received By:	Celey D. Keene

Sample ID: E S - 16 (H210229-16)

BTEX 8021B	mg/	′kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/01/2021	ND	2.07	104	2.00	6.30	
Toluene*	<0.050	0.050	02/01/2021	ND	2.16	108	2.00	7.07	
Ethylbenzene*	<0.050	0.050	02/01/2021	ND	2.15	107	2.00	7.44	
Total Xylenes*	<0.150	0.150	02/01/2021	ND	6.70	112	6.00	6.64	
Total BTEX	<0.300	0.300	02/01/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 73.3-12	9						
Chloride, SM4500Cl-B	mg,	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	368	16.0	02/02/2021	ND	400	100	400	0.00	
TPH 8015M	mg/	′kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/02/2021	ND	177	88.7	200	8.78	
DRO >C10-C28*	<10.0	10.0	02/02/2021	ND	170	85.1	200	3.55	
EXT DRO >C28-C36	<10.0	10.0	02/02/2021	ND					
Surrogate: 1-Chlorooctane	96.4	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	101	% 42.2-15	6						

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



		201 MAIN	NC. LONGCRIER STREET, SUITE : RTH TX, 76102	1360	
		Fax To:	NA		
Received:	01/29/2021			Sampling Date:	01/28/2021
Reported:	02/03/2021			Sampling Type:	Soil
Project Name:	HALLERTAN #5			Sampling Condition:	Cool & Intact
Project Number: Project Location:	NONE GIVEN NOT GIVEN			Sample Received By:	Celey D. Keene

Sample ID: E S - 17 (H210229-17)

BTEX 8021B	mg/	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/01/2021	ND	2.07	104	2.00	6.30	
Toluene*	<0.050	0.050	02/01/2021	ND	2.16	108	2.00	7.07	
Ethylbenzene*	<0.050	0.050	02/01/2021	ND	2.15	107	2.00	7.44	
Total Xylenes*	<0.150	0.150	02/01/2021	ND	6.70	112	6.00	6.64	
Total BTEX	<0.300	0.300	02/01/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	108	% 73.3-12	9						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	02/02/2021	ND	400	100	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/02/2021	ND	177	88.7	200	8.78	
DRO >C10-C28*	<10.0	10.0	02/02/2021	ND	170	85.1	200	3.55	
EXT DRO >C28-C36	<10.0	10.0	02/02/2021	ND					
Surrogate: 1-Chlorooctane	102	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	107	% 42.2-15	6						

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Celey D. Keene, Lab Director/Quality Manager



		201 MAIN 9	IC. LONGCRIER STREET, SUITE 1 RTH TX, 76102	.360	
		Fax To:	NA		
Received:	01/29/2021			Sampling Date:	01/28/2021
Reported:	02/03/2021			Sampling Type:	Soil
Project Name:	HALLERTAN #5			Sampling Condition:	Cool & Intact
Project Number: Project Location:	NONE GIVEN NOT GIVEN			Sample Received By:	Celey D. Keene

Sample ID: E S - 18 (H210229-18)

BTEX 8021B	mg/	'kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/01/2021	ND	2.07	104	2.00	6.30	
Toluene*	<0.050	0.050	02/01/2021	ND	2.16	108	2.00	7.07	
Ethylbenzene*	<0.050	0.050	02/01/2021	ND	2.15	107	2.00	7.44	
Total Xylenes*	<0.150	0.150	02/01/2021	ND	6.70	112	6.00	6.64	
Total BTEX	<0.300	0.300	02/01/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	110 9	73.3-12	9						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	02/02/2021	ND	400	100	400	0.00	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/02/2021	ND	177	88.7	200	8.78	
DRO >C10-C28*	<10.0	10.0	02/02/2021	ND	170	85.1	200	3.55	
EXT DRO >C28-C36	<10.0	10.0	02/02/2021	ND					
Surrogate: 1-Chlorooctane	102 9	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	103 9	42.2-15	6						

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Celey D. Keene, Lab Director/Quality Manager



		201 MAIN	NC. / LONGCRIER STREET, SUITE RTH TX, 76102	1360	
		Fax To:	NA		
Received:	01/29/2021			Sampling Date:	01/29/2021
Reported:	02/03/2021			Sampling Type:	Soil
Project Name:	HALLERTAN #5			Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN			Sample Received By:	Celey D. Keene
Project Location:	NOT GIVEN				

Sample ID: E S - 19.3 (H210229-19)

BTEX 8021B	mg/	′kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/01/2021	ND	2.07	104	2.00	6.30	
Toluene*	<0.050	0.050	02/01/2021	ND	2.16	108	2.00	7.07	
Ethylbenzene*	<0.050	0.050	02/01/2021	ND	2.15	107	2.00	7.44	
Total Xylenes*	<0.150	0.150	02/01/2021	ND	6.70	112	6.00	6.64	
Total BTEX	<0.300	0.300	02/01/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 73.3-12	9						
Chloride, SM4500Cl-B	mg,	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	448	16.0	02/02/2021	ND	400	100	400	0.00	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/02/2021	ND	177	88.7	200	8.78	
DRO >C10-C28*	<10.0	10.0	02/02/2021	ND	170	85.1	200	3.55	
EXT DRO >C28-C36	<10.0	10.0	02/02/2021	ND					
Surrogate: 1-Chlorooctane	102	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	104	42.2-15	6						

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Celey D. Keene, Lab Director/Quality Manager



		201 MAIN 9	IC. LONGCRIER STREET, SUITE 1 RTH TX, 76102	.360	
		Fax To:	NA		
Received:	01/29/2021			Sampling Date:	01/28/2021
Reported:	02/03/2021			Sampling Type:	Soil
Project Name:	HALLERTAN #5			Sampling Condition:	Cool & Intact
Project Number: Project Location:	NONE GIVEN NOT GIVEN			Sample Received By:	Celey D. Keene

Sample ID: E S - 20 (H210229-20)

BTEX 8021B	mg,	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/01/2021	ND	2.07	104	2.00	6.30	
Toluene*	<0.050	0.050	02/01/2021	ND	2.16	108	2.00	7.07	
Ethylbenzene*	<0.050	0.050	02/01/2021	ND	2.15	107	2.00	7.44	
Total Xylenes*	<0.150	0.150	02/01/2021	ND	6.70	112	6.00	6.64	
Total BTEX	<0.300	0.300	02/01/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 73.3-12	9						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	02/02/2021	ND	400	100	400	0.00	
TPH 8015M	mg/	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/02/2021	ND	177	88.7	200	8.78	
DRO >C10-C28*	<10.0	10.0	02/02/2021	ND	170	85.1	200	3.55	
EXT DRO >C28-C36	<10.0	10.0	02/02/2021	ND					
Surrogate: 1-Chlorooctane	101	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	104	% 42.2-15	6						

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Celey D. Keene, Lab Director/Quality Manager



		201 MAIN 9	IC. LONGCRIER STREET, SUITE 1 RTH TX, 76102	.360	
		Fax To:	NA		
Received:	01/29/2021			Sampling Date:	01/28/2021
Reported:	02/03/2021			Sampling Type:	Soil
Project Name:	HALLERTAN #5			Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN			Sample Received By:	Celey D. Keene
Project Location:	NOT GIVEN				

Sample ID: E S - 21 (H210229-21)

BTEX 8021B	mg	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/01/2021	ND	2.07	104	2.00	6.30	
Toluene*	<0.050	0.050	02/01/2021	ND	2.16	108	2.00	7.07	
Ethylbenzene*	<0.050	0.050	02/01/2021	ND	2.15	107	2.00	7.44	
Total Xylenes*	<0.150	0.150	02/01/2021	ND	6.70	112	6.00	6.64	
Total BTEX	<0.300	0.300	02/01/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	107	% 73.3-12	9						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	02/02/2021	ND	400	100	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/02/2021	ND	177	88.7	200	8.78	
DRO >C10-C28*	10.5	10.0	02/02/2021	ND	170	85.1	200	3.55	
EXT DRO >C28-C36	<10.0	10.0	02/02/2021	ND					
Surrogate: 1-Chlorooctane	90.4	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	96.6	% 42.2-15	6						

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Celey D. Keene, Lab Director/Quality Manager



		201 MAIN	NC. LONGCRIER STREET, SUITE RTH TX, 76102	1360	
		Fax To:	NA		
Received:	01/29/2021			Sampling Date:	01/27/2021
Reported:	02/03/2021			Sampling Type:	Soil
Project Name:	HALLERTAN #5			Sampling Condition:	Cool & Intact
Project Number: Project Location:	NONE GIVEN NOT GIVEN			Sample Received By:	Celey D. Keene

Sample ID: E B - 1.2 (H210229-22)

BTEX 8021B	mg/	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/01/2021	ND	2.07	104	2.00	6.30	
Toluene*	<0.050	0.050	02/01/2021	ND	2.16	108	2.00	7.07	
Ethylbenzene*	<0.050	0.050	02/01/2021	ND	2.15	107	2.00	7.44	
Total Xylenes*	<0.150	0.150	02/01/2021	ND	6.70	112	6.00	6.64	
Total BTEX	<0.300	0.300	02/01/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	107	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	02/02/2021	ND	400	100	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/02/2021	ND	177	88.7	200	8.78	
DRO >C10-C28*	<10.0	10.0	02/02/2021	ND	170	85.1	200	3.55	
EXT DRO >C28-C36	<10.0	10.0	02/02/2021	ND					
Surrogate: 1-Chlorooctane	102	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	108	% 42.2-15	6						

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Celey D. Keene, Lab Director/Quality Manager



		201 MAIN	NC. LONGCRIER STREET, SUITE RTH TX, 76102	1360	
		Fax To:	NA		
Received:	01/29/2021			Sampling Date:	01/27/2021
Reported:	02/03/2021			Sampling Type:	Soil
Project Name:	HALLERTAN #5			Sampling Condition:	Cool & Intact
Project Number: Project Location:	NONE GIVEN NOT GIVEN			Sample Received By:	Celey D. Keene

Sample ID: E B - 2.2 (H210229-23)

BTEX 8021B	mg/	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/01/2021	ND	2.07	104	2.00	6.30	
Toluene*	<0.050	0.050	02/01/2021	ND	2.16	108	2.00	7.07	
Ethylbenzene*	<0.050	0.050	02/01/2021	ND	2.15	107	2.00	7.44	
Total Xylenes*	<0.150	0.150	02/01/2021	ND	6.70	112	6.00	6.64	
Total BTEX	<0.300	0.300	02/01/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 73.3-12	9						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	02/02/2021	ND	400	100	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/02/2021	ND	177	88.7	200	8.78	
DRO >C10-C28*	<10.0	10.0	02/02/2021	ND	170	85.1	200	3.55	
EXT DRO >C28-C36	<10.0	10.0	02/02/2021	ND					
Surrogate: 1-Chlorooctane	98.8	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	103	% 42.2-15	6						

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Celey D. Keene, Lab Director/Quality Manager



		201 MAIN 9	IC. LONGCRIER STREET, SUITE 1 RTH TX, 76102	1360	
		Fax To:	NA		
Received:	01/29/2021			Sampling Date:	01/27/2021
Reported:	02/03/2021			Sampling Type:	Soil
Project Name:	HALLERTAN #5			Sampling Condition:	Cool & Intact
Project Number: Project Location:	NONE GIVEN NOT GIVEN			Sample Received By:	Celey D. Keene

Sample ID: E B - 3 (H210229-24)

BTEX 8021B	mg,	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/01/2021	ND	2.07	104	2.00	6.30	
Toluene*	<0.050	0.050	02/01/2021	ND	2.16	108	2.00	7.07	
Ethylbenzene*	<0.050	0.050	02/01/2021	ND	2.15	107	2.00	7.44	
Total Xylenes*	<0.150	0.150	02/01/2021	ND	6.70	112	6.00	6.64	
Total BTEX	<0.300	0.300	02/01/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	107	% 73.3-12	9						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	02/02/2021	ND	400	100	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/02/2021	ND	177	88.7	200	8.78	
DRO >C10-C28*	<10.0	10.0	02/02/2021	ND	170	85.1	200	3.55	
EXT DRO >C28-C36	<10.0	10.0	02/02/2021	ND					
Surrogate: 1-Chlorooctane	97.6	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	101	% 42.2-15	6						

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Celey D. Keene, Lab Director/Quality Manager



		201 MAIN 9	IC. LONGCRIER STREET, SUITE 1 RTH TX, 76102	1360	
		Fax To:	NA		
Received:	01/29/2021			Sampling Date:	01/27/2021
Reported:	02/03/2021			Sampling Type:	Soil
Project Name:	HALLERTAN #5			Sampling Condition:	Cool & Intact
Project Number: Project Location:	NONE GIVEN NOT GIVEN			Sample Received By:	Celey D. Keene

Sample ID: E B - 4 (H210229-25)

BTEX 8021B	mg,	′kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/01/2021	ND	2.07	104	2.00	6.30	
Toluene*	<0.050	0.050	02/01/2021	ND	2.16	108	2.00	7.07	
Ethylbenzene*	<0.050	0.050	02/01/2021	ND	2.15	107	2.00	7.44	
Total Xylenes*	<0.150	0.150	02/01/2021	ND	6.70	112	6.00	6.64	
Total BTEX	<0.300	0.300	02/01/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 73.3-12	9						
Chloride, SM4500Cl-B	mg,	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	02/02/2021	ND	400	100	400	0.00	
TPH 8015M	mg,	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/02/2021	ND	177	88.7	200	8.78	
DRO >C10-C28*	<10.0	10.0	02/02/2021	ND	170	85.1	200	3.55	
EXT DRO >C28-C36	<10.0	10.0	02/02/2021	ND					
Surrogate: 1-Chlorooctane	98.7	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	101	% 42.2-15	6						

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Celey D. Keene, Lab Director/Quality Manager



		201 MAIN 9	IC. LONGCRIER STREET, SUITE 1 RTH TX, 76102	1360	
		Fax To:	NA		
Received:	01/29/2021			Sampling Date:	01/27/2021
Reported:	02/03/2021			Sampling Type:	Soil
Project Name:	HALLERTAN #5			Sampling Condition:	Cool & Intact
Project Number: Project Location:	NONE GIVEN NOT GIVEN			Sample Received By:	Celey D. Keene

Sample ID: E B - 5 (H210229-26)

BTEX 8021B	mg	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/01/2021	ND	2.07	104	2.00	6.30	
Toluene*	<0.050	0.050	02/01/2021	ND	2.16	108	2.00	7.07	
Ethylbenzene*	<0.050	0.050	02/01/2021	ND	2.15	107	2.00	7.44	
Total Xylenes*	<0.150	0.150	02/01/2021	ND	6.70	112	6.00	6.64	
Total BTEX	<0.300	0.300	02/01/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	107	% 73.3-12	9						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	02/02/2021	ND	400	100	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/02/2021	ND	177	88.7	200	8.78	
DRO >C10-C28*	<10.0	10.0	02/02/2021	ND	170	85.1	200	3.55	
EXT DRO >C28-C36	<10.0	10.0	02/02/2021	ND					
Surrogate: 1-Chlorooctane	88.3	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	90.1	% 42.2-15	6						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



		201 MAIN	IC. LONGCRIER STREET, SUITE 1 RTH TX, 76102	1360	
		Fax To:	NA		
Received:	01/29/2021			Sampling Date:	01/27/2021
Reported:	02/03/2021			Sampling Type:	Soil
Project Name:	HALLERTAN #5			Sampling Condition:	Cool & Intact
Project Number: Project Location:	NONE GIVEN NOT GIVEN			Sample Received By:	Celey D. Keene
	NOT GIVEN				

Sample ID: E B - 6 (H210229-27)

BTEX 8021B	mg	′kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/01/2021	ND	2.07	104	2.00	6.30	
Toluene*	<0.050	0.050	02/01/2021	ND	2.16	108	2.00	7.07	
Ethylbenzene*	<0.050	0.050	02/01/2021	ND	2.15	107	2.00	7.44	
Total Xylenes*	<0.150	0.150	02/01/2021	ND	6.70	112	6.00	6.64	
Total BTEX	<0.300	0.300	02/01/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 73.3-12	9						
Chloride, SM4500Cl-B	mg	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	02/02/2021	ND	400	100	400	0.00	
TPH 8015M	mg	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/01/2021	ND	183	91.3	200	3.67	
DRO >C10-C28*	<10.0	10.0	02/01/2021	ND	197	98.6	200	14.0	
EXT DRO >C28-C36	<10.0	10.0	02/01/2021	ND					
Surrogate: 1-Chlorooctane	99.5	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	103	% 42.2-15	6						

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



			-	360	
		Fax To:	NA		
Received:	01/29/2021			Sampling Date:	01/27/2021
Reported:	02/03/2021			Sampling Type:	Soil
Project Name:	HALLERTAN #5			Sampling Condition:	Cool & Intact
Project Number: Project Location:	NONE GIVEN NOT GIVEN			Sample Received By:	Celey D. Keene

Sample ID: E B - 7 (H210229-28)

BTEX 8021B	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/01/2021	ND	2.07	104	2.00	6.30	
Toluene*	<0.050	0.050	02/01/2021	ND	2.16	108	2.00	7.07	
Ethylbenzene*	<0.050	0.050	02/01/2021	ND	2.15	107	2.00	7.44	
Total Xylenes*	<0.150	0.150	02/01/2021	ND	6.70	112	6.00	6.64	
Total BTEX	<0.300	0.300	02/01/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	106 9	73.3-12	9						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	02/02/2021	ND	400	100	400	0.00	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/01/2021	ND	183	91.3	200	3.67	
DRO >C10-C28*	<10.0	10.0	02/01/2021	ND	197	98.6	200	14.0	
EXT DRO >C28-C36	<10.0	10.0	02/01/2021	ND					
Surrogate: 1-Chlorooctane	90.7	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	92.5	% 42.2-15	6						

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Celey D. Keene, Lab Director/Quality Manager



		201 MAIN 9	IC. LONGCRIER STREET, SUITE 1 TH TX, 76102	360	
		Fax To:	NA		
Received:	01/29/2021			Sampling Date:	01/27/2021
Reported:	02/03/2021			Sampling Type:	Soil
Project Name:	HALLERTAN #5			Sampling Condition:	Cool & Intact
Project Number: Project Location:	NONE GIVEN NOT GIVEN			Sample Received By:	Celey D. Keene

Sample ID: E B - 8 (H210229-29)

BTEX 8021B	mg	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/01/2021	ND	2.07	104	2.00	6.30	
Toluene*	<0.050	0.050	02/01/2021	ND	2.16	108	2.00	7.07	
Ethylbenzene*	<0.050	0.050	02/01/2021	ND	2.15	107	2.00	7.44	
Total Xylenes*	<0.150	0.150	02/01/2021	ND	6.70	112	6.00	6.64	
Total BTEX	<0.300	0.300	02/01/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 73.3-12	9						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	02/02/2021	ND	400	100	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/02/2021	ND	170	84.9	200	9.64	
DRO >C10-C28*	<10.0	10.0	02/02/2021	ND	174	87.1	200	8.81	
EXT DRO >C28-C36	<10.0	10.0	02/02/2021	ND					
Surrogate: 1-Chlorooctane	90.8	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	91.2	% 42.2-15	6						

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Celey D. Keene, Lab Director/Quality Manager



		201 MAIN 9	IC. LONGCRIER STREET, SUITE 1 TH TX, 76102	360	
		Fax To:	NA		
Received:	01/29/2021			Sampling Date:	01/27/2021
Reported:	02/03/2021			Sampling Type:	Soil
Project Name:	HALLERTAN #5			Sampling Condition:	Cool & Intact
Project Number: Project Location:	NONE GIVEN NOT GIVEN			Sample Received By:	Celey D. Keene

Sample ID: E B - 9 (H210229-30)

BTEX 8021B	mg/	'kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/01/2021	ND	2.07	104	2.00	6.30	
Toluene*	<0.050	0.050	02/01/2021	ND	2.16	108	2.00	7.07	
Ethylbenzene*	<0.050	0.050	02/01/2021	ND	2.15	107	2.00	7.44	
Total Xylenes*	<0.150	0.150	02/01/2021	ND	6.70	112	6.00	6.64	
Total BTEX	<0.300	0.300	02/01/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	106 9	73.3-12	9						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	02/02/2021	ND	400	100	400	0.00	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/02/2021	ND	170	84.9	200	9.64	
DRO >C10-C28*	<10.0	10.0	02/02/2021	ND	174	87.1	200	8.81	
EXT DRO >C28-C36	<10.0	10.0	02/02/2021	ND					
Surrogate: 1-Chlorooctane	89.3	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	90.2	% 42.2-15	6						

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Celey D. Keene, Lab Director/Quality Manager



		201 MAIN	NC. LONGCRIER STREET, SUITE : RTH TX, 76102	1360	
		Fax To:	NA		
Received:	01/29/2021			Sampling Date:	01/28/2021
Reported:	02/03/2021			Sampling Type:	Soil
Project Name:	HALLERTAN #5			Sampling Condition:	Cool & Intact
Project Number: Project Location:	NONE GIVEN NOT GIVEN			Sample Received By:	Celey D. Keene

Sample ID: E B - 10.2 (H210229-31)

BTEX 8021B	mg,	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/01/2021	ND	2.13	106	2.00	7.58	
Toluene*	<0.050	0.050	02/01/2021	ND	2.16	108	2.00	5.97	
Ethylbenzene*	<0.050	0.050	02/01/2021	ND	2.15	108	2.00	6.20	
Total Xylenes*	<0.150	0.150	02/01/2021	ND	6.80	113	6.00	7.34	
Total BTEX	<0.300	0.300	02/01/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	02/02/2021	ND	400	100	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/02/2021	ND	170	84.9	200	9.64	
DRO >C10-C28*	<10.0	10.0	02/02/2021	ND	174	87.1	200	8.81	
EXT DRO >C28-C36	<10.0	10.0	02/02/2021	ND					
Surrogate: 1-Chlorooctane	93.4	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	95.0	% 42.2-15	6						

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Celey D. Keene, Lab Director/Quality Manager



		201 MAIN	IC. LONGCRIER STREET, SUITE 1 RTH TX, 76102	1360	
		Fax To:	NA		
Received:	01/29/2021			Sampling Date:	01/27/2021
Reported:	02/03/2021			Sampling Type:	Soil
Project Name:	HALLERTAN #5			Sampling Condition:	Cool & Intact
Project Number: Project Location:	NONE GIVEN NOT GIVEN			Sample Received By:	Celey D. Keene
	NOT GIVEN				

Sample ID: E B - 11 (H210229-32)

BTEX 8021B	mg/	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/02/2021	ND	2.13	106	2.00	7.58	
Toluene*	<0.050	0.050	02/02/2021	ND	2.16	108	2.00	5.97	
Ethylbenzene*	<0.050	0.050	02/02/2021	ND	2.15	108	2.00	6.20	
Total Xylenes*	<0.150	0.150	02/02/2021	ND	6.80	113	6.00	7.34	
Total BTEX	<0.300	0.300	02/02/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 73.3-12	9						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	02/02/2021	ND	400	100	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/02/2021	ND	170	84.9	200	9.64	
DRO >C10-C28*	<10.0	10.0	02/02/2021	ND	174	87.1	200	8.81	
EXT DRO >C28-C36	<10.0	10.0	02/02/2021	ND					
Surrogate: 1-Chlorooctane	89.0	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	88.8	% 42.2-15	6						

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Celey D. Keene, Lab Director/Quality Manager



		201 MAIN :	NC. LONGCRIER STREET, SUITE 1 RTH TX, 76102	1360	
		Fax To:	NA		
Received:	01/29/2021			Sampling Date:	01/27/2021
Reported:	02/03/2021			Sampling Type:	Soil
Project Name:	HALLERTAN #5			Sampling Condition:	Cool & Intact
Project Number: Project Location:	NONE GIVEN NOT GIVEN			Sample Received By:	Celey D. Keene

Sample ID: E B - 12 (H210229-33)

BTEX 8021B	mg/	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/02/2021	ND	2.13	106	2.00	7.58	
Toluene*	<0.050	0.050	02/02/2021	ND	2.16	108	2.00	5.97	
Ethylbenzene*	<0.050	0.050	02/02/2021	ND	2.15	108	2.00	6.20	
Total Xylenes*	<0.150	0.150	02/02/2021	ND	6.80	113	6.00	7.34	
Total BTEX	<0.300	0.300	02/02/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 73.3-12	9						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	02/02/2021	ND	400	100	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/02/2021	ND	170	84.9	200	9.64	
DRO >C10-C28*	<10.0	10.0	02/02/2021	ND	174	87.1	200	8.81	
EXT DRO >C28-C36	<10.0	10.0	02/02/2021	ND					
Surrogate: 1-Chlorooctane	96.8	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	96.1	% 42.2-15	6						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



		201 MAIN	NC. LONGCRIER STREET, SUITE RTH TX, 76102	1360	
		Fax To:	NA		
Received:	01/29/2021			Sampling Date:	01/27/2021
Reported:	02/03/2021			Sampling Type:	Soil
Project Name:	HALLERTAN #5			Sampling Condition:	Cool & Intact
Project Number: Project Location:	NONE GIVEN NOT GIVEN			Sample Received By:	Celey D. Keene

Sample ID: E B - 13 (H210229-34)

BTEX 8021B	mg/	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/02/2021	ND	2.13	106	2.00	7.58	
Toluene*	<0.050	0.050	02/02/2021	ND	2.16	108	2.00	5.97	
Ethylbenzene*	<0.050	0.050	02/02/2021	ND	2.15	108	2.00	6.20	
Total Xylenes*	<0.150	0.150	02/02/2021	ND	6.80	113	6.00	7.34	
Total BTEX	<0.300	0.300	02/02/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	02/02/2021	ND	400	100	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/02/2021	ND	170	84.9	200	9.64	
DRO >C10-C28*	<10.0	10.0	02/02/2021	ND	174	87.1	200	8.81	
EXT DRO >C28-C36	<10.0	10.0	02/02/2021	ND					
Surrogate: 1-Chlorooctane	99.0	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	101	% 42.2-15	6						

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Celey D. Keene, Lab Director/Quality Manager



		201 MAIN 9	IC. LONGCRIER STREET, SUITE 1 ITH TX, 76102	1360	
		Fax To:	NA		
Received:	01/29/2021			Sampling Date:	01/27/2021
Reported:	02/03/2021			Sampling Type:	Soil
Project Name:	HALLERTAN #5			Sampling Condition:	Cool & Intact
Project Number: Project Location:	NONE GIVEN NOT GIVEN			Sample Received By:	Celey D. Keene

Sample ID: E B - 14 (H210229-35)

BTEX 8021B	mg	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/02/2021	ND	2.13	106	2.00	7.58	
Toluene*	<0.050	0.050	02/02/2021	ND	2.16	108	2.00	5.97	
Ethylbenzene*	<0.050	0.050	02/02/2021	ND	2.15	108	2.00	6.20	
Total Xylenes*	<0.150	0.150	02/02/2021	ND	6.80	113	6.00	7.34	
Total BTEX	<0.300	0.300	02/02/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	02/02/2021	ND	400	100	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/02/2021	ND	170	84.9	200	9.64	
DRO >C10-C28*	<10.0	10.0	02/02/2021	ND	174	87.1	200	8.81	
EXT DRO >C28-C36	<10.0	10.0	02/02/2021	ND					
Surrogate: 1-Chlorooctane	98.6	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	99.4	% 42.2-15	6						

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Celey D. Keene, Lab Director/Quality Manager



		201 MAIN	NC. LONGCRIER STREET, SUITE : RTH TX, 76102	1360	
		Fax To:	NA		
Received:	01/29/2021			Sampling Date:	01/27/2021
Reported:	02/03/2021			Sampling Type:	Soil
Project Name:	HALLERTAN #5			Sampling Condition:	Cool & Intact
Project Number: Project Location:	NONE GIVEN NOT GIVEN			Sample Received By:	Celey D. Keene

Sample ID: E B - 15 (H210229-36)

BTEX 8021B	mg/	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/02/2021	ND	2.13	106	2.00	7.58	
Toluene*	<0.050	0.050	02/02/2021	ND	2.16	108	2.00	5.97	
Ethylbenzene*	<0.050	0.050	02/02/2021	ND	2.15	108	2.00	6.20	
Total Xylenes*	<0.150	0.150	02/02/2021	ND	6.80	113	6.00	7.34	
Total BTEX	<0.300	0.300	02/02/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	107	% 73.3-12	9						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	02/02/2021	ND	400	100	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/02/2021	ND	170	84.9	200	9.64	
DRO >C10-C28*	<10.0	10.0	02/02/2021	ND	174	87.1	200	8.81	
EXT DRO >C28-C36	<10.0	10.0	02/02/2021	ND					
Surrogate: 1-Chlorooctane	92.5	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	88.5	% 42.2-15	6						

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



		201 MAIN	NC. LONGCRIER STREET, SUITE : RTH TX, 76102	1360	
		Fax To:	NA		
Received:	01/29/2021			Sampling Date:	01/28/2021
Reported:	02/03/2021			Sampling Type:	Soil
Project Name:	HALLERTAN #5			Sampling Condition:	Cool & Intact
Project Number: Project Location:	NONE GIVEN NOT GIVEN			Sample Received By:	Celey D. Keene

Sample ID: E B - 16.2 (H210229-37)

BTEX 8021B	mg/	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/02/2021	ND	2.13	106	2.00	7.58	
Toluene*	<0.050	0.050	02/02/2021	ND	2.16	108	2.00	5.97	
Ethylbenzene*	<0.050	0.050	02/02/2021	ND	2.15	108	2.00	6.20	
Total Xylenes*	<0.150	0.150	02/02/2021	ND	6.80	113	6.00	7.34	
Total BTEX	<0.300	0.300	02/02/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	109	% 73.3-12	9						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	02/02/2021	ND	400	100	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/02/2021	ND	170	84.9	200	9.64	
DRO >C10-C28*	<10.0	10.0	02/02/2021	ND	174	87.1	200	8.81	
EXT DRO >C28-C36	<10.0	10.0	02/02/2021	ND					
Surrogate: 1-Chlorooctane	102	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	102	% 42.2-15	6						

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



		201 MAIN	NC. LONGCRIER STREET, SUITE RTH TX, 76102	1360	
		Fax To:	NA		
Received:	01/29/2021			Sampling Date:	01/27/2021
Reported:	02/03/2021			Sampling Type:	Soil
Project Name:	HALLERTAN #5			Sampling Condition:	Cool & Intact
Project Number: Project Location:	NONE GIVEN NOT GIVEN			Sample Received By:	Celey D. Keene

Sample ID: E B - 17 (H210229-38)

BTEX 8021B	mg	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/02/2021	ND	2.13	106	2.00	7.58	
Toluene*	<0.050	0.050	02/02/2021	ND	2.16	108	2.00	5.97	
Ethylbenzene*	<0.050	0.050	02/02/2021	ND	2.15	108	2.00	6.20	
Total Xylenes*	<0.150	0.150	02/02/2021	ND	6.80	113	6.00	7.34	
Total BTEX	<0.300	0.300	02/02/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 73.3-12	9						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	02/02/2021	ND	400	100	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/02/2021	ND	170	84.9	200	9.64	
DRO >C10-C28*	<10.0	10.0	02/02/2021	ND	174	87.1	200	8.81	
EXT DRO >C28-C36	<10.0	10.0	02/02/2021	ND					
Surrogate: 1-Chlorooctane	96.9	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	93.5	% 42.2-15	6						

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Celey D. Keene, Lab Director/Quality Manager



		201 MAIN	NC. 7 LONGCRIER STREET, SUITE RTH TX, 76102	1360	
		Fax To:	NA		
Received:	01/29/2021			Sampling Date:	01/27/2021
Reported:	02/03/2021			Sampling Type:	Soil
Project Name:	HALLERTAN #5			Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN			Sample Received By:	Celey D. Keene
Project Location:	NOT GIVEN				

Sample ID: E B - 18 (H210229-39)

BTEX 8021B	mg	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/02/2021	ND	2.13	106	2.00	7.58	
Toluene*	<0.050	0.050	02/02/2021	ND	2.16	108	2.00	5.97	
Ethylbenzene*	<0.050	0.050	02/02/2021	ND	2.15	108	2.00	6.20	
Total Xylenes*	<0.150	0.150	02/02/2021	ND	6.80	113	6.00	7.34	
Total BTEX	<0.300	0.300	02/02/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 73.3-12	9						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	02/02/2021	ND	400	100	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/02/2021	ND	170	84.9	200	9.64	
DRO >C10-C28*	<10.0	10.0	02/02/2021	ND	174	87.1	200	8.81	
EXT DRO >C28-C36	<10.0	10.0	02/02/2021	ND					
Surrogate: 1-Chlorooctane	100	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	97.5	% 42.2-15	6						

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Celey D. Keene, Lab Director/Quality Manager



		201 MAIN :	NC. LONGCRIER STREET, SUITE 1 RTH TX, 76102	1360	
		Fax To:	NA		
Received:	01/29/2021			Sampling Date:	01/27/2021
Reported:	02/03/2021			Sampling Type:	Soil
Project Name:	HALLERTAN #5			Sampling Condition:	Cool & Intact
Project Number: Project Location:	NONE GIVEN NOT GIVEN			Sample Received By:	Celey D. Keene

Sample ID: E B - 19 (H210229-40)

BTEX 8021B	mg/	′kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/02/2021	ND	2.13	106	2.00	7.58	
Toluene*	<0.050	0.050	02/02/2021	ND	2.16	108	2.00	5.97	
Ethylbenzene*	<0.050	0.050	02/02/2021	ND	2.15	108	2.00	6.20	
Total Xylenes*	<0.150	0.150	02/02/2021	ND	6.80	113	6.00	7.34	
Total BTEX	<0.300	0.300	02/02/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 73.3-12	9						
Chloride, SM4500Cl-B	mg,	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	02/02/2021	ND	400	100	400	0.00	
TPH 8015M	mg,	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/02/2021	ND	170	84.9	200	9.64	
DRO >C10-C28*	<10.0	10.0	02/02/2021	ND	174	87.1	200	8.81	
EXT DRO >C28-C36	<10.0	10.0	02/02/2021	ND					
Surrogate: 1-Chlorooctane	94.6	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	92.9	% 42.2-15	6						

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Celey D. Keene, Lab Director/Quality Manager



		201 MAIN	NC. LONGCRIER STREET, SUITE RTH TX, 76102	1360	
		Fax To:	NA		
Received:	01/29/2021			Sampling Date:	01/27/2021
Reported:	02/03/2021			Sampling Type:	Soil
Project Name:	HALLERTAN #5			Sampling Condition:	Cool & Intact
Project Number: Project Location:	NONE GIVEN NOT GIVEN			Sample Received By:	Celey D. Keene

Sample ID: E B - 20 (H210229-41)

BTEX 8021B	mg/	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/02/2021	ND	2.13	106	2.00	7.58	
Toluene*	<0.050	0.050	02/02/2021	ND	2.16	108	2.00	5.97	
Ethylbenzene*	<0.050	0.050	02/02/2021	ND	2.15	108	2.00	6.20	
Total Xylenes*	<0.150	0.150	02/02/2021	ND	6.80	113	6.00	7.34	
Total BTEX	<0.300	0.300	02/02/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 73.3-12	9						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	02/02/2021	ND	400	100	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/02/2021	ND	170	84.9	200	9.64	
DRO >C10-C28*	<10.0	10.0	02/02/2021	ND	174	87.1	200	8.81	
EXT DRO >C28-C36	<10.0	10.0	02/02/2021	ND					
Surrogate: 1-Chlorooctane	99.1	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	99.6	% 42.2-15	6						

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Celey D. Keene, Lab Director/Quality Manager



		201 MAIN	IC. LONGCRIER STREET, SUITE 1 RTH TX, 76102	1360	
		Fax To:	NA		
Received:	01/29/2021			Sampling Date:	01/27/2021
Reported:	02/03/2021			Sampling Type:	Soil
Project Name:	HALLERTAN #5			Sampling Condition:	Cool & Intact
Project Number: Project Location:	NONE GIVEN NOT GIVEN			Sample Received By:	Celey D. Keene
	NOT GIVEN				

Sample ID: E B - 21 (H210229-42)

BTEX 8021B	mg/	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/02/2021	ND	2.13	106	2.00	7.58	
Toluene*	<0.050	0.050	02/02/2021	ND	2.16	108	2.00	5.97	
Ethylbenzene*	<0.050	0.050	02/02/2021	ND	2.15	108	2.00	6.20	
Total Xylenes*	<0.150	0.150	02/02/2021	ND	6.80	113	6.00	7.34	
Total BTEX	<0.300	0.300	02/02/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	02/02/2021	ND	400	100	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/02/2021	ND	170	84.9	200	9.64	
DRO >C10-C28*	<10.0	10.0	02/02/2021	ND	174	87.1	200	8.81	
EXT DRO >C28-C36	<10.0	10.0	02/02/2021	ND					
Surrogate: 1-Chlorooctane	93.2	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	92.5	% 42.2-15	6						

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Celey D. Keene, Lab Director/Quality Manager



		201 MAIN :	NC. LONGCRIER STREET, SUITE 1 RTH TX, 76102	1360	
		Fax To:	NA		
Received:	01/29/2021			Sampling Date:	01/27/2021
Reported:	02/03/2021			Sampling Type:	Soil
Project Name:	HALLERTAN #5			Sampling Condition:	Cool & Intact
Project Number: Project Location:	NONE GIVEN NOT GIVEN			Sample Received By:	Celey D. Keene

Sample ID: E B - 22 (H210229-43)

BTEX 8021B	mg/	′kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/02/2021	ND	2.13	106	2.00	7.58	
Toluene*	<0.050	0.050	02/02/2021	ND	2.16	108	2.00	5.97	
Ethylbenzene*	<0.050	0.050	02/02/2021	ND	2.15	108	2.00	6.20	
Total Xylenes*	<0.150	0.150	02/02/2021	ND	6.80	113	6.00	7.34	
Total BTEX	<0.300	0.300	02/02/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	02/02/2021	ND	400	100	400	0.00	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/02/2021	ND	170	84.9	200	9.64	
DRO >C10-C28*	<10.0	10.0	02/02/2021	ND	174	87.1	200	8.81	
EXT DRO >C28-C36	<10.0	10.0	02/02/2021	ND					
Surrogate: 1-Chlorooctane	93.0	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	91.0	% 42.2-15	6						

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Celey D. Keene, Lab Director/Quality Manager



		201 MAIN :	IC. LONGCRIER STREET, SUITE 1 RTH TX, 76102	.360	
		Fax To:	NA		
Received:	01/29/2021			Sampling Date:	01/27/2021
Reported:	02/03/2021			Sampling Type:	Soil
Project Name:	HALLERTAN #5			Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN			Sample Received By:	Celey D. Keene
Project Location:	NOT GIVEN				

Sample ID: E B - 23 (H210229-44)

BTEX 8021B	mg,	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/02/2021	ND	2.13	106	2.00	7.58	
Toluene*	<0.050	0.050	02/02/2021	ND	2.16	108	2.00	5.97	
Ethylbenzene*	<0.050	0.050	02/02/2021	ND	2.15	108	2.00	6.20	
Total Xylenes*	<0.150	0.150	02/02/2021	ND	6.80	113	6.00	7.34	
Total BTEX	<0.300	0.300	02/02/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 73.3-12	9						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	02/02/2021	ND	400	100	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/02/2021	ND	170	84.9	200	9.64	
DRO >C10-C28*	<10.0	10.0	02/02/2021	ND	174	87.1	200	8.81	
EXT DRO >C28-C36	<10.0	10.0	02/02/2021	ND					
Surrogate: 1-Chlorooctane	101	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	99.3	% 42.2-15	6						

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Celey D. Keene, Lab Director/Quality Manager



		201 MAIN :	IC. LONGCRIER STREET, SUITE 1 RTH TX, 76102	1360	
		Fax To:	NA		
Received:	01/29/2021			Sampling Date:	01/27/2021
Reported:	02/03/2021			Sampling Type:	Soil
Project Name:	HALLERTAN #5			Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN			Sample Received By:	Celey D. Keene
Project Location:	NOT GIVEN				

Sample ID: E B - 24 (H210229-45)

BTEX 8021B	mg/	′kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/02/2021	ND	2.13	106	2.00	7.58	
Toluene*	<0.050	0.050	02/02/2021	ND	2.16	108	2.00	5.97	
Ethylbenzene*	<0.050	0.050	02/02/2021	ND	2.15	108	2.00	6.20	
Total Xylenes*	<0.150	0.150	02/02/2021	ND	6.80	113	6.00	7.34	
Total BTEX	<0.300	0.300	02/02/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 73.3-12	9						
Chloride, SM4500Cl-B	mg,	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	02/02/2021	ND	400	100	400	0.00	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/02/2021	ND	170	84.9	200	9.64	
DRO >C10-C28*	<10.0	10.0	02/02/2021	ND	174	87.1	200	8.81	
EXT DRO >C28-C36	<10.0	10.0	02/02/2021	ND					
Surrogate: 1-Chlorooctane	99.1	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	98.9	% 42.2-15	6						

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Celey D. Keene, Lab Director/Quality Manager



		201 MAIN	NC. 7 LONGCRIER STREET, SUITE RTH TX, 76102	1360	
		Fax To:	NA		
Received:	01/29/2021			Sampling Date:	01/27/2021
Reported:	02/03/2021			Sampling Type:	Soil
Project Name:	HALLERTAN #5			Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN			Sample Received By:	Celey D. Keene
Project Location:	NOT GIVEN				

Sample ID: E B - 25 (H210229-46)

BTEX 8021B	mg	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/02/2021	ND	2.13	106	2.00	7.58	
Toluene*	<0.050	0.050	02/02/2021	ND	2.16	108	2.00	5.97	
Ethylbenzene*	<0.050	0.050	02/02/2021	ND	2.15	108	2.00	6.20	
Total Xylenes*	<0.150	0.150	02/02/2021	ND	6.80	113	6.00	7.34	
Total BTEX	<0.300	0.300	02/02/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 73.3-12	9						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	02/02/2021	ND	400	100	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/02/2021	ND	173	86.6	200	6.25	QR-03
DRO >C10-C28*	<10.0	10.0	02/02/2021	ND	164	81.8	200	5.85	
EXT DRO >C28-C36	<10.0	10.0	02/02/2021	ND					
Surrogate: 1-Chlorooctane	102	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	108	% 42.2-15	6						

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Celey D. Keene, Lab Director/Quality Manager



		201 MAIN	NC. LONGCRIER STREET, SUITE : RTH TX, 76102	1360	
		Fax To:	NA		
Received:	01/29/2021			Sampling Date:	01/28/2021
Reported:	02/03/2021			Sampling Type:	Soil
Project Name:	HALLERTAN #5			Sampling Condition:	Cool & Intact
Project Number: Project Location:	NONE GIVEN NOT GIVEN			Sample Received By:	Celey D. Keene

Sample ID: E B - 26.2 (H210229-47)

BTEX 8021B	mg,	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/02/2021	ND	2.13	106	2.00	7.58	
Toluene*	<0.050	0.050	02/02/2021	ND	2.16	108	2.00	5.97	
Ethylbenzene*	<0.050	0.050	02/02/2021	ND	2.15	108	2.00	6.20	
Total Xylenes*	<0.150	0.150	02/02/2021	ND	6.80	113	6.00	7.34	
Total BTEX	<0.300	0.300	02/02/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1360	16.0	02/02/2021	ND	400	100	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/02/2021	ND	173	86.6	200	6.25	
DRO >C10-C28*	<10.0	10.0	02/02/2021	ND	164	81.8	200	5.85	
EXT DRO >C28-C36	<10.0	10.0	02/02/2021	ND					
Surrogate: 1-Chlorooctane	101	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	107	% 42.2-15	6						

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



		201 MAIN	NC. / LONGCRIER STREET, SUITE RTH TX, 76102	1360	
		Fax To:	NA		
Received:	01/29/2021			Sampling Date:	01/28/2021
Reported:	02/03/2021			Sampling Type:	Soil
Project Name:	HALLERTAN #5			Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN			Sample Received By:	Celey D. Keene
Project Location:	NOT GIVEN				

Sample ID: E B - 27.2 (H210229-48)

BTEX 8021B	mg,	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/02/2021	ND	2.13	106	2.00	7.58	
Toluene*	<0.050	0.050	02/02/2021	ND	2.16	108	2.00	5.97	
Ethylbenzene*	<0.050	0.050	02/02/2021	ND	2.15	108	2.00	6.20	
Total Xylenes*	<0.150	0.150	02/02/2021	ND	6.80	113	6.00	7.34	
Total BTEX	<0.300	0.300	02/02/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	108	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	02/02/2021	ND	400	100	400	3.92	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/02/2021	ND	173	86.6	200	6.25	
DRO >C10-C28*	<10.0	10.0	02/02/2021	ND	164	81.8	200	5.85	
EXT DRO >C28-C36	<10.0	10.0	02/02/2021	ND					
Surrogate: 1-Chlorooctane	96.7	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	102	% 42.2-15	6						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



		201 MAIN	NC. / LONGCRIER STREET, SUITE RTH TX, 76102	1360	
		Fax To:	NA		
Received:	01/29/2021			Sampling Date:	01/28/2021
Reported:	02/03/2021			Sampling Type:	Soil
Project Name:	HALLERTAN #5			Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN			Sample Received By:	Celey D. Keene
Project Location:	NOT GIVEN				

Sample ID: E B - 28.2 (H210229-49)

BTEX 8021B	mg/	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/02/2021	ND	2.13	106	2.00	7.58	
Toluene*	<0.050	0.050	02/02/2021	ND	2.16	108	2.00	5.97	
Ethylbenzene*	<0.050	0.050	02/02/2021	ND	2.15	108	2.00	6.20	
Total Xylenes*	<0.150	0.150	02/02/2021	ND	6.80	113	6.00	7.34	
Total BTEX	<0.300	0.300	02/02/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 73.3-12	9						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	02/02/2021	ND	400	100	400	3.92	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/02/2021	ND	173	86.6	200	6.25	
DRO >C10-C28*	<10.0	10.0	02/02/2021	ND	164	81.8	200	5.85	
EXT DRO >C28-C36	<10.0	10.0	02/02/2021	ND					
Surrogate: 1-Chlorooctane	71.5	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	74.0	% 42.2-15	6						

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Celey D. Keene, Lab Director/Quality Manager



		201 MAIN	NC. / LONGCRIER STREET, SUITE RTH TX, 76102	1360	
		Fax To:	NA		
Received:	01/29/2021			Sampling Date:	01/28/2021
Reported:	02/03/2021			Sampling Type:	Soil
Project Name:	HALLERTAN #5			Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN			Sample Received By:	Celey D. Keene
Project Location:	NOT GIVEN				

Sample ID: E B - 29.2 (H210229-50)

BTEX 8021B	mg,	′kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/02/2021	ND	2.13	106	2.00	7.58	
Toluene*	<0.050	0.050	02/02/2021	ND	2.16	108	2.00	5.97	
Ethylbenzene*	<0.050	0.050	02/02/2021	ND	2.15	108	2.00	6.20	
Total Xylenes*	<0.150	0.150	02/02/2021	ND	6.80	113	6.00	7.34	
Total BTEX	<0.300	0.300	02/02/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	512	16.0	02/02/2021	ND	400	100	400	3.92	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/02/2021	ND	173	86.6	200	6.25	
DRO >C10-C28*	<10.0	10.0	02/02/2021	ND	164	81.8	200	5.85	
EXT DRO >C28-C36	<10.0	10.0	02/02/2021	ND					
Surrogate: 1-Chlorooctane	77.8	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	78.7	% 42.2-15	6						

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Celey D. Keene, Lab Director/Quality Manager


		201 MAIN	NC. LONGCRIER STREET, SUITE : RTH TX, 76102	1360	
		Fax To:	NA		
Received:	01/29/2021			Sampling Date:	01/28/2021
Reported:	02/03/2021			Sampling Type:	Soil
Project Name:	HALLERTAN #5			Sampling Condition:	Cool & Intact
Project Number: Project Location:	NONE GIVEN NOT GIVEN			Sample Received By:	Celey D. Keene

Sample ID: E B - 30.2 (H210229-51)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/02/2021	ND	2.12	106	2.00	4.35	
Toluene*	<0.050	0.050	02/02/2021	ND	2.06	103	2.00	4.63	
Ethylbenzene*	<0.050	0.050	02/02/2021	ND	2.02	101	2.00	5.26	
Total Xylenes*	<0.150	0.150	02/02/2021	ND	5.94	99.0	6.00	5.25	
Total BTEX	<0.300	0.300	02/02/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 73.3-12	9						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	464	16.0	02/02/2021	ND	400	100	400	3.92	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/02/2021	ND	173	86.6	200	6.25	
DRO >C10-C28*	<10.0	10.0	02/02/2021	ND	164	81.8	200	5.85	
EXT DRO >C28-C36	<10.0	10.0	02/02/2021	ND					
Surrogate: 1-Chlorooctane	77.1	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	77.4	% 42.2-15	6						

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Celey D. Keene, Lab Director/Quality Manager



		201 MAIN	NC. LONGCRIER STREET, SUITE : RTH TX, 76102	1360	
		Fax To:	NA		
Received:	01/29/2021			Sampling Date:	01/28/2021
Reported:	02/03/2021			Sampling Type:	Soil
Project Name:	HALLERTAN #5			Sampling Condition:	Cool & Intact
Project Number: Project Location:	NONE GIVEN NOT GIVEN			Sample Received By:	Celey D. Keene

Sample ID: E B - 31.2 (H210229-52)

BTEX 8021B	mg	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/02/2021	ND	2.12	106	2.00	4.35	
Toluene*	<0.050	0.050	02/02/2021	ND	2.06	103	2.00	4.63	
Ethylbenzene*	<0.050	0.050	02/02/2021	ND	2.02	101	2.00	5.26	
Total Xylenes*	<0.150	0.150	02/02/2021	ND	5.94	99.0	6.00	5.25	
Total BTEX	<0.300	0.300	02/02/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 73.3-12	9						
Chloride, SM4500Cl-B	mg	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	880	16.0	02/02/2021	ND	400	100	400	3.92	
TPH 8015M	mg	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/02/2021	ND	173	86.6	200	6.25	
DRO >C10-C28*	<10.0	10.0	02/02/2021	ND	164	81.8	200	5.85	
EXT DRO >C28-C36	<10.0	10.0	02/02/2021	ND					
Surrogate: 1-Chlorooctane	75.3	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	76.1	% 42.2-15	6						

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Celey D. Keene, Lab Director/Quality Manager



		201 MAIN	NC. LONGCRIER STREET, SUITE : RTH TX, 76102	1360	
		Fax To:	NA		
Received:	01/29/2021			Sampling Date:	01/28/2021
Reported:	02/03/2021			Sampling Type:	Soil
Project Name:	HALLERTAN #5			Sampling Condition:	Cool & Intact
Project Number: Project Location:	NONE GIVEN NOT GIVEN			Sample Received By:	Celey D. Keene

Sample ID: E B - 32.2 (H210229-53)

BTEX 8021B	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/02/2021	ND	2.12	106	2.00	4.35	
Toluene*	<0.050	0.050	02/02/2021	ND	2.06	103	2.00	4.63	
Ethylbenzene*	<0.050	0.050	02/02/2021	ND	2.02	101	2.00	5.26	
Total Xylenes*	<0.150	0.150	02/02/2021	ND	5.94	99.0	6.00	5.25	
Total BTEX	<0.300	0.300	02/02/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 73.3-12	9						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	496	16.0	02/02/2021	ND	400	100	400	3.92	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/02/2021	ND	173	86.6	200	6.25	
DRO >C10-C28*	<10.0	10.0	02/02/2021	ND	164	81.8	200	5.85	
EXT DRO >C28-C36	<10.0	10.0	02/02/2021	ND					
Surrogate: 1-Chlorooctane	81.7	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	82.8	% 42.2-15	6						

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Celey D. Keene, Lab Director/Quality Manager



		201 MAIN	NC. LONGCRIER STREET, SUITE : RTH TX, 76102	1360	
		Fax To:	NA		
Received:	01/29/2021			Sampling Date:	01/28/2021
Reported:	02/03/2021			Sampling Type:	Soil
Project Name:	HALLERTAN #5			Sampling Condition:	Cool & Intact
Project Number: Project Location:	NONE GIVEN NOT GIVEN			Sample Received By:	Celey D. Keene

Sample ID: E B - 33.2 (H210229-54)

BTEX 8021B	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/02/2021	ND	2.12	106	2.00	4.35	
Toluene*	<0.050	0.050	02/02/2021	ND	2.06	103	2.00	4.63	
Ethylbenzene*	<0.050	0.050	02/02/2021	ND	2.02	101	2.00	5.26	
Total Xylenes*	<0.150	0.150	02/02/2021	ND	5.94	99.0	6.00	5.25	
Total BTEX	<0.300	0.300	02/02/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 73.3-12	9						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	656	16.0	02/02/2021	ND	400	100	400	3.92	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/02/2021	ND	173	86.6	200	6.25	
DRO >C10-C28*	<10.0	10.0	02/02/2021	ND	164	81.8	200	5.85	
EXT DRO >C28-C36	<10.0	10.0	02/02/2021	ND					
Surrogate: 1-Chlorooctane	75.8	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	78.4	% 42.2-15	6						

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Celey D. Keene, Lab Director/Quality Manager



		201 MAIN	NC. LONGCRIER STREET, SUITE : RTH TX, 76102	1360	
		Fax To:	NA		
Received:	01/29/2021			Sampling Date:	01/28/2021
Reported:	02/03/2021			Sampling Type:	Soil
Project Name:	HALLERTAN #5			Sampling Condition:	Cool & Intact
Project Number: Project Location:	NONE GIVEN NOT GIVEN			Sample Received By:	Celey D. Keene

Sample ID: E B - 34.2 (H210229-55)

BTEX 8021B	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/02/2021	ND	2.12	106	2.00	4.35	
Toluene*	<0.050	0.050	02/02/2021	ND	2.06	103	2.00	4.63	
Ethylbenzene*	<0.050	0.050	02/02/2021	ND	2.02	101	2.00	5.26	
Total Xylenes*	<0.150	0.150	02/02/2021	ND	5.94	99.0	6.00	5.25	
Total BTEX	<0.300	0.300	02/02/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 73.3-12	9						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1010	16.0	02/02/2021	ND	400	100	400	3.92	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/02/2021	ND	173	86.6	200	6.25	
DRO >C10-C28*	<10.0	10.0	02/02/2021	ND	164	81.8	200	5.85	
EXT DRO >C28-C36	<10.0	10.0	02/02/2021	ND					
Surrogate: 1-Chlorooctane	74.8	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	77.3	% 42.2-15	6						

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



		201 MAIN	NC. LONGCRIER STREET, SUITE : RTH TX, 76102	1360	
		Fax To:	NA		
Received:	01/29/2021			Sampling Date:	01/28/2021
Reported:	02/03/2021			Sampling Type:	Soil
Project Name:	HALLERTAN #5			Sampling Condition:	Cool & Intact
Project Number: Project Location:	NONE GIVEN NOT GIVEN			Sample Received By:	Celey D. Keene

Sample ID: E B - 35 (H210229-56)

BTEX 8021B	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/02/2021	ND	2.12	106	2.00	4.35	
Toluene*	<0.050	0.050	02/02/2021	ND	2.06	103	2.00	4.63	
Ethylbenzene*	<0.050	0.050	02/02/2021	ND	2.02	101	2.00	5.26	
Total Xylenes*	<0.150	0.150	02/02/2021	ND	5.94	99.0	6.00	5.25	
Total BTEX	<0.300	0.300	02/02/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 73.3-12	9						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	384	16.0	02/02/2021	ND	400	100	400	3.92	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/02/2021	ND	173	86.6	200	6.25	
DRO >C10-C28*	<10.0	10.0	02/02/2021	ND	164	81.8	200	5.85	
EXT DRO >C28-C36	<10.0	10.0	02/02/2021	ND					
Surrogate: 1-Chlorooctane	77.1	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	79.4	% 42.2-15	6						

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Celey D. Keene, Lab Director/Quality Manager



		201 MAIN	NC. LONGCRIER STREET, SUITE : RTH TX, 76102	1360	
		Fax To:	NA		
Received:	01/29/2021			Sampling Date:	01/28/2021
Reported:	02/03/2021			Sampling Type:	Soil
Project Name:	HALLERTAN #5			Sampling Condition:	Cool & Intact
Project Number: Project Location:	NONE GIVEN NOT GIVEN			Sample Received By:	Celey D. Keene

Sample ID: E B - 36.2 (H210229-57)

BTEX 8021B	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/02/2021	ND	2.12	106	2.00	4.35	
Toluene*	<0.050	0.050	02/02/2021	ND	2.06	103	2.00	4.63	
Ethylbenzene*	<0.050	0.050	02/02/2021	ND	2.02	101	2.00	5.26	
Total Xylenes*	<0.150	0.150	02/02/2021	ND	5.94	99.0	6.00	5.25	
Total BTEX	<0.300	0.300	02/02/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 73.3-12	9						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1360	16.0	02/02/2021	ND	400	100	400	3.92	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/02/2021	ND	173	86.6	200	6.25	
DRO >C10-C28*	<10.0	10.0	02/02/2021	ND	164	81.8	200	5.85	
EXT DRO >C28-C36	<10.0	10.0	02/02/2021	ND					
Surrogate: 1-Chlorooctane	75.0	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	78.4	% 42.2-15	6						

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Celey D. Keene, Lab Director/Quality Manager



		201 MAIN	NC. 7 LONGCRIER STREET, SUITE RTH TX, 76102	1360	
		Fax To:	NA		
Received:	01/29/2021			Sampling Date:	01/28/2021
Reported:	02/03/2021			Sampling Type:	Soil
Project Name:	HALLERTAN #5			Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN			Sample Received By:	Celey D. Keene
Project Location:	NOT GIVEN				

Sample ID: E B - 37 (H210229-58)

BTEX 8021B	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/02/2021	ND	2.12	106	2.00	4.35	
Toluene*	<0.050	0.050	02/02/2021	ND	2.06	103	2.00	4.63	
Ethylbenzene*	<0.050	0.050	02/02/2021	ND	2.02	101	2.00	5.26	
Total Xylenes*	<0.150	0.150	02/02/2021	ND	5.94	99.0	6.00	5.25	
Total BTEX	<0.300	0.300	02/02/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	704	16.0	02/02/2021	ND	400	100	400	3.92	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/02/2021	ND	173	86.6	200	6.25	
DRO >C10-C28*	<10.0	10.0	02/02/2021	ND	164	81.8	200	5.85	
EXT DRO >C28-C36	<10.0	10.0	02/02/2021	ND					
Surrogate: 1-Chlorooctane	75.4	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	78.9	% 42.2-15	6						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



		201 MAIN	NC. LONGCRIER STREET, SUITE : RTH TX, 76102	1360	
		Fax To:	NA		
Received:	01/29/2021			Sampling Date:	01/28/2021
Reported:	02/03/2021			Sampling Type:	Soil
Project Name:	HALLERTAN #5			Sampling Condition:	Cool & Intact
Project Number: Project Location:	NONE GIVEN NOT GIVEN			Sample Received By:	Celey D. Keene

Sample ID: E B - 38.2 (H210229-59)

BTEX 8021B	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/02/2021	ND	2.12	106	2.00	4.35	
Toluene*	<0.050	0.050	02/02/2021	ND	2.06	103	2.00	4.63	
Ethylbenzene*	<0.050	0.050	02/02/2021	ND	2.02	101	2.00	5.26	
Total Xylenes*	<0.150	0.150	02/02/2021	ND	5.94	99.0	6.00	5.25	
Total BTEX	<0.300	0.300	02/02/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	100	% 73.3-12	9						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	560	16.0	02/02/2021	ND	400	100	400	3.92	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/02/2021	ND	173	86.6	200	6.25	
DRO >C10-C28*	<10.0	10.0	02/02/2021	ND	164	81.8	200	5.85	
EXT DRO >C28-C36	<10.0	10.0	02/02/2021	ND					
Surrogate: 1-Chlorooctane	80.8	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	84.5	% 42.2-15	6						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



		201 MAIN	NC. / LONGCRIER STREET, SUITE RTH TX, 76102	1360	
		Fax To:	NA		
Received:	01/29/2021			Sampling Date:	01/28/2021
Reported:	02/03/2021			Sampling Type:	Soil
Project Name:	HALLERTAN #5			Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN			Sample Received By:	Celey D. Keene
Project Location:	NOT GIVEN				

Sample ID: E B - 39.2 (H210229-60)

BTEX 8021B	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/02/2021	ND	2.12	106	2.00	4.35	
Toluene*	<0.050	0.050	02/02/2021	ND	2.06	103	2.00	4.63	
Ethylbenzene*	<0.050	0.050	02/02/2021	ND	2.02	101	2.00	5.26	
Total Xylenes*	<0.150	0.150	02/02/2021	ND	5.94	99.0	6.00	5.25	
Total BTEX	<0.300	0.300	02/02/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	100	% 73.3-12	9						
Chloride, SM4500Cl-B	mg,	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1340	16.0	02/02/2021	ND	400	100	400	3.92	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/02/2021	ND	173	86.6	200	6.25	
DRO >C10-C28*	<10.0	10.0	02/02/2021	ND	164	81.8	200	5.85	
EXT DRO >C28-C36	<10.0	10.0	02/02/2021	ND					
Surrogate: 1-Chlorooctane	81.2	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	85.9	% 42.2-15	6						

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Celey D. Keene, Lab Director/Quality Manager



		201 MAIN	NC. LONGCRIER STREET, SUITE : RTH TX, 76102	1360	
		Fax To:	NA		
Received:	01/29/2021			Sampling Date:	01/28/2021
Reported:	02/03/2021			Sampling Type:	Soil
Project Name:	HALLERTAN #5			Sampling Condition:	Cool & Intact
Project Number: Project Location:	NONE GIVEN NOT GIVEN			Sample Received By:	Celey D. Keene

Sample ID: E B - 40.2 (H210229-61)

BTEX 8021B	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/02/2021	ND	2.12	106	2.00	4.35	
Toluene*	<0.050	0.050	02/02/2021	ND	2.06	103	2.00	4.63	
Ethylbenzene*	<0.050	0.050	02/02/2021	ND	2.02	101	2.00	5.26	
Total Xylenes*	<0.150	0.150	02/02/2021	ND	5.94	99.0	6.00	5.25	
Total BTEX	<0.300	0.300	02/02/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 73.3-12	9						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	528	16.0	02/02/2021	ND	400	100	400	3.92	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/02/2021	ND	173	86.6	200	6.25	
DRO >C10-C28*	<10.0	10.0	02/02/2021	ND	164	81.8	200	5.85	
EXT DRO >C28-C36	<10.0	10.0	02/02/2021	ND					
Surrogate: 1-Chlorooctane	86.1	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	90.8	% 42.2-15	6						

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Celey D. Keene, Lab Director/Quality Manager



		201 MAIN	NC. LONGCRIER STREET, SUITE : RTH TX, 76102	1360	
		Fax To:	NA		
Received:	01/29/2021			Sampling Date:	01/28/2021
Reported:	02/03/2021			Sampling Type:	Soil
Project Name:	HALLERTAN #5			Sampling Condition:	Cool & Intact
Project Number: Project Location:	NONE GIVEN NOT GIVEN			Sample Received By:	Celey D. Keene

Sample ID: E B - 41.2 (H210229-62)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/02/2021	ND	2.12	106	2.00	4.35	
Toluene*	<0.050	0.050	02/02/2021	ND	2.06	103	2.00	4.63	
Ethylbenzene*	<0.050	0.050	02/02/2021	ND	2.02	101	2.00	5.26	
Total Xylenes*	<0.150	0.150	02/02/2021	ND	5.94	99.0	6.00	5.25	
Total BTEX	<0.300	0.300	02/02/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	432	16.0	02/02/2021	ND	400	100	400	3.92	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/02/2021	ND	173	86.6	200	6.25	
DRO >C10-C28*	<10.0	10.0	02/02/2021	ND	164	81.8	200	5.85	
EXT DRO >C28-C36	<10.0	10.0	02/02/2021	ND					
Surrogate: 1-Chlorooctane	81.0	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	84.8	% 42.2-15	6						

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Celey D. Keene, Lab Director/Quality Manager



		201 MAIN	NC. LONGCRIER STREET, SUITE : RTH TX, 76102	1360	
		Fax To:	NA		
Received:	01/29/2021			Sampling Date:	01/28/2021
Reported:	02/03/2021			Sampling Type:	Soil
Project Name:	HALLERTAN #5			Sampling Condition:	Cool & Intact
Project Number: Project Location:	NONE GIVEN NOT GIVEN			Sample Received By:	Celey D. Keene

Sample ID: E B - 42.2 (H210229-63)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/02/2021	ND	2.12	106	2.00	4.35	
Toluene*	<0.050	0.050	02/02/2021	ND	2.06	103	2.00	4.63	
Ethylbenzene*	<0.050	0.050	02/02/2021	ND	2.02	101	2.00	5.26	
Total Xylenes*	<0.150	0.150	02/02/2021	ND	5.94	99.0	6.00	5.25	
Total BTEX	<0.300	0.300	02/02/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	100	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	496	16.0	02/02/2021	ND	400	100	400	3.92	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/02/2021	ND	173	86.6	200	6.25	
DRO >C10-C28*	<10.0	10.0	02/02/2021	ND	164	81.8	200	5.85	
EXT DRO >C28-C36	<10.0	10.0	02/02/2021	ND					
Surrogate: 1-Chlorooctane	76.2	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	80.4	% 42.2-15	6						

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Celey D. Keene, Lab Director/Quality Manager



		201 MAIN	NC. LONGCRIER STREET, SUITE : RTH TX, 76102	1360	
		Fax To:	NA		
Received:	01/29/2021			Sampling Date:	01/28/2021
Reported:	02/03/2021			Sampling Type:	Soil
Project Name:	HALLERTAN #5			Sampling Condition:	Cool & Intact
Project Number: Project Location:	NONE GIVEN NOT GIVEN			Sample Received By:	Celey D. Keene

Sample ID: E B - 43.2 (H210229-64)

BTEX 8021B	mg,	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/02/2021	ND	2.12	106	2.00	4.35	
Toluene*	<0.050	0.050	02/02/2021	ND	2.06	103	2.00	4.63	
Ethylbenzene*	<0.050	0.050	02/02/2021	ND	2.02	101	2.00	5.26	
Total Xylenes*	<0.150	0.150	02/02/2021	ND	5.94	99.0	6.00	5.25	
Total BTEX	<0.300	0.300	02/02/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	512	16.0	02/02/2021	ND	400	100	400	3.92	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/02/2021	ND	173	86.6	200	6.25	
DRO >C10-C28*	<10.0	10.0	02/02/2021	ND	164	81.8	200	5.85	
EXT DRO >C28-C36	<10.0	10.0	02/02/2021	ND					
Surrogate: 1-Chlorooctane	78.0	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	80.5	% 42.2-15	6						

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Celey D. Keene, Lab Director/Quality Manager



		201 MAIN 9	IC. LONGCRIER STREET, SUITE 1 RTH TX, 76102	.360	
		Fax To:	NA		
Received:	01/29/2021			Sampling Date:	01/28/2021
Reported:	02/03/2021			Sampling Type:	Soil
Project Name:	HALLERTAN #5			Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN			Sample Received By:	Celey D. Keene
Project Location:	NOT GIVEN				

Sample ID: E B - 44 (H210229-65)

BTEX 8021B	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/02/2021	ND	2.12	106	2.00	4.35	
Toluene*	<0.050	0.050	02/02/2021	ND	2.06	103	2.00	4.63	
Ethylbenzene*	<0.050	0.050	02/02/2021	ND	2.02	101	2.00	5.26	
Total Xylenes*	<0.150	0.150	02/02/2021	ND	5.94	99.0	6.00	5.25	
Total BTEX	<0.300	0.300	02/02/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	512	16.0	02/02/2021	ND	400	100	400	3.92	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/02/2021	ND	173	86.6	200	6.25	
DRO >C10-C28*	<10.0	10.0	02/02/2021	ND	164	81.8	200	5.85	
EXT DRO >C28-C36	<10.0	10.0	02/02/2021	ND					
Surrogate: 1-Chlorooctane	71.6	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	74.8	% 42.2-15	6						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



		201 MAIN	NC. LONGCRIER STREET, SUITE : RTH TX, 76102	1360	
		Fax To:	NA		
Received:	01/29/2021			Sampling Date:	01/28/2021
Reported:	02/03/2021			Sampling Type:	Soil
Project Name:	HALLERTAN #5			Sampling Condition:	Cool & Intact
Project Number: Project Location:	NONE GIVEN NOT GIVEN			Sample Received By:	Celey D. Keene

Sample ID: E B - 45.2 (H210229-66)

BTEX 8021B	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/02/2021	ND	2.12	106	2.00	4.35	
Toluene*	<0.050	0.050	02/02/2021	ND	2.06	103	2.00	4.63	
Ethylbenzene*	<0.050	0.050	02/02/2021	ND	2.02	101	2.00	5.26	
Total Xylenes*	<0.150	0.150	02/02/2021	ND	5.94	99.0	6.00	5.25	
Total BTEX	<0.300	0.300	02/02/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 73.3-12	9						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2520	16.0	02/02/2021	ND	400	100	400	3.92	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/02/2021	ND	229	115	200	1.66	
DRO >C10-C28*	<10.0	10.0	02/02/2021	ND	235	117	200	4.24	
EXT DRO >C28-C36	<10.0	10.0	02/02/2021	ND					
Surrogate: 1-Chlorooctane	80.5	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	71.3	% 42.2-15	6						

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



		201 MAIN 9	IC. LONGCRIER STREET, SUITE 1 RTH TX, 76102	.360	
		Fax To:	NA		
Received:	01/29/2021			Sampling Date:	01/28/2021
Reported:	02/03/2021			Sampling Type:	Soil
Project Name:	HALLERTAN #5			Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN			Sample Received By:	Celey D. Keene
Project Location:	NOT GIVEN				

Sample ID: E B - 46.2 (H210229-67)

BTEX 8021B	mg,	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/02/2021	ND	2.12	106	2.00	4.35	
Toluene*	<0.050	0.050	02/02/2021	ND	2.06	103	2.00	4.63	
Ethylbenzene*	<0.050	0.050	02/02/2021	ND	2.02	101	2.00	5.26	
Total Xylenes*	<0.150	0.150	02/02/2021	ND	5.94	99.0	6.00	5.25	
Total BTEX	<0.300	0.300	02/02/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 73.3-12	9						
Chloride, SM4500Cl-B	mg,	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	976	16.0	02/02/2021	ND	400	100	400	3.92	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/02/2021	ND	229	115	200	1.66	
DRO >C10-C28*	<10.0	10.0	02/02/2021	ND	235	117	200	4.24	
EXT DRO >C28-C36	<10.0	10.0	02/02/2021	ND					
Surrogate: 1-Chlorooctane	80.2	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	70.8	% 42.2-15	6						

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Celey D. Keene, Lab Director/Quality Manager



		201 MAIN 9	IC. LONGCRIER STREET, SUITE 1 RTH TX, 76102	.360	
		Fax To:	NA		
Received:	01/29/2021			Sampling Date:	01/28/2021
Reported:	02/03/2021			Sampling Type:	Soil
Project Name:	HALLERTAN #5			Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN			Sample Received By:	Celey D. Keene
Project Location:	NOT GIVEN				

Sample ID: E B - 47.2 (H210229-68)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/02/2021	ND	2.12	106	2.00	4.35	
Toluene*	<0.050	0.050	02/02/2021	ND	2.06	103	2.00	4.63	
Ethylbenzene*	<0.050	0.050	02/02/2021	ND	2.02	101	2.00	5.26	
Total Xylenes*	<0.150	0.150	02/02/2021	ND	5.94	99.0	6.00	5.25	
Total BTEX	<0.300	0.300	02/02/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 73.3-12	9						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	400	16.0	02/02/2021	ND	416	104	400	3.92	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/02/2021	ND	229	115	200	1.66	
DRO >C10-C28*	<10.0	10.0	02/02/2021	ND	235	117	200	4.24	
EXT DRO >C28-C36	<10.0	10.0	02/02/2021	ND					
Surrogate: 1-Chlorooctane	74.8	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	66.6	% 42.2-15	6						

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



		201 MAIN	NC. / LONGCRIER STREET, SUITE RTH TX, 76102	1360	
		Fax To:	NA		
Received:	01/29/2021			Sampling Date:	01/28/2021
Reported:	02/03/2021			Sampling Type:	Soil
Project Name:	HALLERTAN #5			Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN			Sample Received By:	Celey D. Keene
Project Location:	NOT GIVEN				

Sample ID: E B - 48 (H210229-69)

BTEX 8021B	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/02/2021	ND	2.12	106	2.00	4.35	
Toluene*	<0.050	0.050	02/02/2021	ND	2.06	103	2.00	4.63	
Ethylbenzene*	<0.050	0.050	02/02/2021	ND	2.02	101	2.00	5.26	
Total Xylenes*	<0.150	0.150	02/02/2021	ND	5.94	99.0	6.00	5.25	
Total BTEX	<0.300	0.300	02/02/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 73.3-12	9						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	416	16.0	02/02/2021	ND	416	104	400	3.92	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/02/2021	ND	229	115	200	1.66	
DRO >C10-C28*	<10.0	10.0	02/02/2021	ND	235	117	200	4.24	
EXT DRO >C28-C36	<10.0	10.0	02/02/2021	ND					
Surrogate: 1-Chlorooctane	73.8	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	66.9	% 42.2-15	6						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



		201 MAIN	NC. LONGCRIER STREET, SUITE : RTH TX, 76102	1360	
		Fax To:	NA		
Received:	01/29/2021			Sampling Date:	01/28/2021
Reported:	02/03/2021			Sampling Type:	Soil
Project Name:	HALLERTAN #5			Sampling Condition:	Cool & Intact
Project Number: Project Location:	NONE GIVEN NOT GIVEN			Sample Received By:	Celey D. Keene

Sample ID: E B - 49.2 (H210229-70)

BTEX 8021B	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/02/2021	ND	2.12	106	2.00	4.35	
Toluene*	<0.050	0.050	02/02/2021	ND	2.06	103	2.00	4.63	
Ethylbenzene*	<0.050	0.050	02/02/2021	ND	2.02	101	2.00	5.26	
Total Xylenes*	<0.150	0.150	02/02/2021	ND	5.94	99.0	6.00	5.25	
Total BTEX	<0.300	0.300	02/02/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 73.3-12	9						
Chloride, SM4500Cl-B	mg,	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1180	16.0	02/02/2021	ND	416	104	400	3.92	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/02/2021	ND	229	115	200	1.66	
DRO >C10-C28*	<10.0	10.0	02/02/2021	ND	235	117	200	4.24	
EXT DRO >C28-C36	<10.0	10.0	02/02/2021	ND					
Surrogate: 1-Chlorooctane	78.7	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	72.6	% 42.2-15	6						

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Celey D. Keene, Lab Director/Quality Manager



		201 MAIN	NC. LONGCRIER STREET, SUITE : RTH TX, 76102	1360	
		Fax To:	NA		
Received:	01/29/2021			Sampling Date:	01/28/2021
Reported:	02/03/2021			Sampling Type:	Soil
Project Name:	HALLERTAN #5			Sampling Condition:	Cool & Intact
Project Number: Project Location:	NONE GIVEN NOT GIVEN			Sample Received By:	Celey D. Keene

Sample ID: E B - 50.2 (H210229-71)

BTEX 8021B	mg,	′kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/02/2021	ND	2.05	102	2.00	3.44	
Toluene*	<0.050	0.050	02/02/2021	ND	2.11	105	2.00	2.19	
Ethylbenzene*	<0.050	0.050	02/02/2021	ND	2.10	105	2.00	2.46	
Total Xylenes*	<0.150	0.150	02/02/2021	ND	6.62	110	6.00	2.07	
Total BTEX	<0.300	0.300	02/02/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 73.3-12	9						
Chloride, SM4500Cl-B	mg,	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	02/02/2021	ND	416	104	400	3.92	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/02/2021	ND	229	115	200	1.66	
DRO >C10-C28*	<10.0	10.0	02/02/2021	ND	235	117	200	4.24	
EXT DRO >C28-C36	<10.0	10.0	02/02/2021	ND					
Surrogate: 1-Chlorooctane	77.4	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	69.4	% 42.2-15	6						

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Celey D. Keene, Lab Director/Quality Manager



		201 MAIN	NC. / LONGCRIER STREET, SUITE RTH TX, 76102	1360	
		Fax To:	NA		
Received:	01/29/2021			Sampling Date:	01/28/2021
Reported:	02/03/2021			Sampling Type:	Soil
Project Name:	HALLERTAN #5			Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN			Sample Received By:	Celey D. Keene
Project Location:	NOT GIVEN				

Sample ID: E B - 51 (H210229-72)

BTEX 8021B	mg/	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/02/2021	ND	2.05	102	2.00	3.44	
Toluene*	<0.050	0.050	02/02/2021	ND	2.11	105	2.00	2.19	
Ethylbenzene*	<0.050	0.050	02/02/2021	ND	2.10	105	2.00	2.46	
Total Xylenes*	<0.150	0.150	02/02/2021	ND	6.62	110	6.00	2.07	
Total BTEX	<0.300	0.300	02/02/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 73.3-12	9						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	02/02/2021	ND	416	104	400	3.92	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/02/2021	ND	229	115	200	1.66	
DRO >C10-C28*	<10.0	10.0	02/02/2021	ND	235	117	200	4.24	
EXT DRO >C28-C36	<10.0	10.0	02/02/2021	ND					
Surrogate: 1-Chlorooctane	80.9	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	75.5	% 42.2-15	6						

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Celey D. Keene, Lab Director/Quality Manager



		201 MAIN	NC. LONGCRIER STREET, SUITE : RTH TX, 76102	1360	
		Fax To:	NA		
Received:	01/29/2021			Sampling Date:	01/28/2021
Reported:	02/03/2021			Sampling Type:	Soil
Project Name:	HALLERTAN #5			Sampling Condition:	Cool & Intact
Project Number: Project Location:	NONE GIVEN NOT GIVEN			Sample Received By:	Celey D. Keene

Sample ID: E B - 52 (H210229-73)

BTEX 8021B	mg/	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/02/2021	ND	2.05	102	2.00	3.44	
Toluene*	<0.050	0.050	02/02/2021	ND	2.11	105	2.00	2.19	
Ethylbenzene*	<0.050	0.050	02/02/2021	ND	2.10	105	2.00	2.46	
Total Xylenes*	<0.150	0.150	02/02/2021	ND	6.62	110	6.00	2.07	
Total BTEX	<0.300	0.300	02/02/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 73.3-12	9						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	02/02/2021	ND	416	104	400	3.92	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/02/2021	ND	229	115	200	1.66	
DRO >C10-C28*	<10.0	10.0	02/02/2021	ND	235	117	200	4.24	
EXT DRO >C28-C36	<10.0	10.0	02/02/2021	ND					
Surrogate: 1-Chlorooctane	76.9	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	71.0	% 42.2-15	6						

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		201 MAIN	NC. LONGCRIER STREET, SUITE : RTH TX, 76102	1360	
		Fax To:	NA		
Received:	01/29/2021			Sampling Date:	01/28/2021
Reported:	02/03/2021			Sampling Type:	Soil
Project Name:	HALLERTAN #5			Sampling Condition:	Cool & Intact
Project Number: Project Location:	NONE GIVEN NOT GIVEN			Sample Received By:	Celey D. Keene

Sample ID: E B - 53 (H210229-74)

BTEX 8021B	mg	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/02/2021	ND	2.05	102	2.00	3.44	
Toluene*	<0.050	0.050	02/02/2021	ND	2.11	105	2.00	2.19	
Ethylbenzene*	<0.050	0.050	02/02/2021	ND	2.10	105	2.00	2.46	
Total Xylenes*	<0.150	0.150	02/02/2021	ND	6.62	110	6.00	2.07	
Total BTEX	<0.300	0.300	02/02/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 73.3-12	9						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	02/02/2021	ND	416	104	400	3.92	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/02/2021	ND	229	115	200	1.66	
DRO >C10-C28*	<10.0	10.0	02/02/2021	ND	235	117	200	4.24	
EXT DRO >C28-C36	<10.0	10.0	02/02/2021	ND					
Surrogate: 1-Chlorooctane	86.3	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	83.2	% 42.2-15	6						

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Celey D. Keene, Lab Director/Quality Manager



		201 MAIN	NC. LONGCRIER STREET, SUITE : RTH TX, 76102	1360	
		Fax To:	NA		
Received:	01/29/2021			Sampling Date:	01/28/2021
Reported:	02/03/2021			Sampling Type:	Soil
Project Name:	HALLERTAN #5			Sampling Condition:	Cool & Intact
Project Number: Project Location:	NONE GIVEN NOT GIVEN			Sample Received By:	Celey D. Keene

Sample ID: E B - 54.2 (H210229-75)

BTEX 8021B	mg/	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/02/2021	ND	2.05	102	2.00	3.44	
Toluene*	<0.050	0.050	02/02/2021	ND	2.11	105	2.00	2.19	
Ethylbenzene*	<0.050	0.050	02/02/2021	ND	2.10	105	2.00	2.46	
Total Xylenes*	<0.150	0.150	02/02/2021	ND	6.62	110	6.00	2.07	
Total BTEX	<0.300	0.300	02/02/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 73.3-12	9						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	02/02/2021	ND	416	104	400	3.92	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/02/2021	ND	229	115	200	1.66	
DRO >C10-C28*	<10.0	10.0	02/02/2021	ND	235	117	200	4.24	
EXT DRO >C28-C36	<10.0	10.0	02/02/2021	ND					
Surrogate: 1-Chlorooctane	85.1	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	80.0	% 42.2-15	6						

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Celey D. Keene, Lab Director/Quality Manager



		201 MAIN	NC. / LONGCRIER STREET, SUITE RTH TX, 76102	1360	
		Fax To:	NA		
Received:	01/29/2021			Sampling Date:	01/28/2021
Reported:	02/03/2021			Sampling Type:	Soil
Project Name:	HALLERTAN #5			Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN			Sample Received By:	Celey D. Keene
Project Location:	NOT GIVEN				

Sample ID: E B - 55 (H210229-76)

BTEX 8021B	mg/	′kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/02/2021	ND	2.05	102	2.00	3.44	
Toluene*	<0.050	0.050	02/02/2021	ND	2.11	105	2.00	2.19	
Ethylbenzene*	<0.050	0.050	02/02/2021	ND	2.10	105	2.00	2.46	
Total Xylenes*	<0.150	0.150	02/02/2021	ND	6.62	110	6.00	2.07	
Total BTEX	<0.300	0.300	02/02/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 73.3-12	9						
Chloride, SM4500Cl-B	mg,	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	02/02/2021	ND	416	104	400	3.92	
TPH 8015M	mg,	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/02/2021	ND	229	115	200	1.66	
DRO >C10-C28*	<10.0	10.0	02/02/2021	ND	235	117	200	4.24	
EXT DRO >C28-C36	<10.0	10.0	02/02/2021	ND					
Surrogate: 1-Chlorooctane	77.6	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	72.6	% 42.2-15	6						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



		201 MAIN	NC. LONGCRIER STREET, SUITE : RTH TX, 76102	1360	
		Fax To:	NA		
Received:	01/29/2021			Sampling Date:	01/28/2021
Reported:	02/03/2021			Sampling Type:	Soil
Project Name:	HALLERTAN #5			Sampling Condition:	Cool & Intact
Project Number: Project Location:	NONE GIVEN NOT GIVEN			Sample Received By:	Celey D. Keene

Sample ID: E B - 56 (H210229-77)

BTEX 8021B	mg/	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/02/2021	ND	2.05	102	2.00	3.44	
Toluene*	<0.050	0.050	02/02/2021	ND	2.11	105	2.00	2.19	
Ethylbenzene*	<0.050	0.050	02/02/2021	ND	2.10	105	2.00	2.46	
Total Xylenes*	<0.150	0.150	02/02/2021	ND	6.62	110	6.00	2.07	
Total BTEX	<0.300	0.300	02/02/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 73.3-12	9						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1120	16.0	02/02/2021	ND	416	104	400	3.92	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/02/2021	ND	229	115	200	1.66	
DRO >C10-C28*	<10.0	10.0	02/02/2021	ND	235	117	200	4.24	
EXT DRO >C28-C36	<10.0	10.0	02/02/2021	ND					
Surrogate: 1-Chlorooctane	80.7	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	75.5	% 42.2-15	6						

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Celey D. Keene, Lab Director/Quality Manager



		201 MAIN	NC. LONGCRIER STREET, SUITE : RTH TX, 76102	1360	
		Fax To:	NA		
Received:	01/29/2021			Sampling Date:	01/28/2021
Reported:	02/03/2021			Sampling Type:	Soil
Project Name:	HALLERTAN #5			Sampling Condition:	Cool & Intact
Project Number: Project Location:	NONE GIVEN NOT GIVEN			Sample Received By:	Celey D. Keene

Sample ID: E B - 57 (H210229-78)

BTEX 8021B	mg	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/02/2021	ND	2.05	102	2.00	3.44	
Toluene*	<0.050	0.050	02/02/2021	ND	2.11	105	2.00	2.19	
Ethylbenzene*	<0.050	0.050	02/02/2021	ND	2.10	105	2.00	2.46	
Total Xylenes*	<0.150	0.150	02/02/2021	ND	6.62	110	6.00	2.07	
Total BTEX	<0.300	0.300	02/02/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 73.3-12	9						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	544	16.0	02/02/2021	ND	416	104	400	3.92	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/02/2021	ND	229	115	200	1.66	
DRO >C10-C28*	<10.0	10.0	02/02/2021	ND	235	117	200	4.24	
EXT DRO >C28-C36	<10.0	10.0	02/02/2021	ND					
Surrogate: 1-Chlorooctane	80.6	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	75.8	% 42.2-15	6						

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Celey D. Keene, Lab Director/Quality Manager



		201 MAIN	NC. LONGCRIER STREET, SUITE : RTH TX, 76102	1360	
		Fax To:	NA		
Received:	01/29/2021			Sampling Date:	01/28/2021
Reported:	02/03/2021			Sampling Type:	Soil
Project Name:	HALLERTAN #5			Sampling Condition:	Cool & Intact
Project Number: Project Location:	NONE GIVEN NOT GIVEN			Sample Received By:	Celey D. Keene

Sample ID: E B - 58 (H210229-79)

BTEX 8021B	mg/	′kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/02/2021	ND	2.05	102	2.00	3.44	
Toluene*	<0.050	0.050	02/02/2021	ND	2.11	105	2.00	2.19	
Ethylbenzene*	<0.050	0.050	02/02/2021	ND	2.10	105	2.00	2.46	
Total Xylenes*	<0.150	0.150	02/02/2021	ND	6.62	110	6.00	2.07	
Total BTEX	<0.300	0.300	02/02/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 73.3-12	9						
Chloride, SM4500Cl-B	mg,	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	02/02/2021	ND	416	104	400	3.92	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/02/2021	ND	229	115	200	1.66	
DRO >C10-C28*	<10.0	10.0	02/02/2021	ND	235	117	200	4.24	
EXT DRO >C28-C36	<10.0	10.0	02/02/2021	ND					
Surrogate: 1-Chlorooctane	80.0	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	75.6	% 42.2-15	6						

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



		201 MAIN	NC. / LONGCRIER STREET, SUITE RTH TX, 76102	1360	
		Fax To:	NA		
Received:	01/29/2021			Sampling Date:	01/28/2021
Reported:	02/03/2021			Sampling Type:	Soil
Project Name:	HALLERTAN #5			Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN			Sample Received By:	Celey D. Keene
Project Location:	NOT GIVEN				

Sample ID: E B - 59 (H210229-80)

BTEX 8021B	mg/	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/02/2021	ND	2.05	102	2.00	3.44	
Toluene*	<0.050	0.050	02/02/2021	ND	2.11	105	2.00	2.19	
Ethylbenzene*	<0.050	0.050	02/02/2021	ND	2.10	105	2.00	2.46	
Total Xylenes*	<0.150	0.150	02/02/2021	ND	6.62	110	6.00	2.07	
Total BTEX	<0.300	0.300	02/02/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	107	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2000	16.0	02/02/2021	ND	416	104	400	3.92	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/02/2021	ND	229	115	200	1.66	
DRO >C10-C28*	<10.0	10.0	02/02/2021	ND	235	117	200	4.24	
EXT DRO >C28-C36	<10.0	10.0	02/02/2021	ND					
Surrogate: 1-Chlorooctane	84.5	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	79.6	% 42.2-15	6						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



		201 MAIN	NC. LONGCRIER STREET, SUITE : RTH TX, 76102	1360	
		Fax To:	NA		
Received:	01/29/2021			Sampling Date:	01/28/2021
Reported:	02/03/2021			Sampling Type:	Soil
Project Name:	HALLERTAN #5			Sampling Condition:	Cool & Intact
Project Number: Project Location:	NONE GIVEN NOT GIVEN			Sample Received By:	Celey D. Keene

Sample ID: E B - 60 (H210229-81)

BTEX 8021B	mg	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/02/2021	ND	2.05	102	2.00	3.44	
Toluene*	<0.050	0.050	02/02/2021	ND	2.11	105	2.00	2.19	
Ethylbenzene*	<0.050	0.050	02/02/2021	ND	2.10	105	2.00	2.46	
Total Xylenes*	<0.150	0.150	02/02/2021	ND	6.62	110	6.00	2.07	
Total BTEX	<0.300	0.300	02/02/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6800	16.0	02/02/2021	ND	416	104	400	3.92	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/02/2021	ND	229	115	200	1.66	
DRO >C10-C28*	<10.0	10.0	02/02/2021	ND	235	117	200	4.24	
EXT DRO >C28-C36	<10.0	10.0	02/02/2021	ND					
Surrogate: 1-Chlorooctane	84.6	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	80.1	% 42.2-15	6						

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Celey D. Keene, Lab Director/Quality Manager



		201 MAIN	NC. / LONGCRIER STREET, SUITE RTH TX, 76102	1360	
		Fax To:	NA		
Received:	01/29/2021			Sampling Date:	01/28/2021
Reported:	02/03/2021			Sampling Type:	Soil
Project Name:	HALLERTAN #5			Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN			Sample Received By:	Celey D. Keene
Project Location:	NOT GIVEN				

Sample ID: E B - 61 (H210229-82)

BTEX 8021B	mg/	′kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/02/2021	ND	2.05	102	2.00	3.44	
Toluene*	<0.050	0.050	02/02/2021	ND	2.11	105	2.00	2.19	
Ethylbenzene*	<0.050	0.050	02/02/2021	ND	2.10	105	2.00	2.46	
Total Xylenes*	<0.150	0.150	02/02/2021	ND	6.62	110	6.00	2.07	
Total BTEX	<0.300	0.300	02/02/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	416	16.0	02/02/2021	ND	416	104	400	3.92	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/02/2021	ND	229	115	200	1.66	
DRO >C10-C28*	<10.0	10.0	02/02/2021	ND	235	117	200	4.24	
EXT DRO >C28-C36	<10.0	10.0	02/02/2021	ND					
Surrogate: 1-Chlorooctane	81.2	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	77.1	% 42.2-15	6						

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Celey D. Keene, Lab Director/Quality Manager



		201 MAIN 9	IC. LONGCRIER STREET, SUITE 1 RTH TX, 76102	1360	
		Fax To:	NA		
Received:	01/29/2021			Sampling Date:	01/28/2021
Reported:	02/03/2021			Sampling Type:	Soil
Project Name:	HALLERTAN #5			Sampling Condition:	Cool & Intact
Project Number: Project Location:	NONE GIVEN NOT GIVEN			Sample Received By:	Celey D. Keene

Sample ID: E B - 62 (H210229-83)

BTEX 8021B	mg	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/02/2021	ND	2.05	102	2.00	3.44	
Toluene*	<0.050	0.050	02/02/2021	ND	2.11	105	2.00	2.19	
Ethylbenzene*	<0.050	0.050	02/02/2021	ND	2.10	105	2.00	2.46	
Total Xylenes*	<0.150	0.150	02/02/2021	ND	6.62	110	6.00	2.07	
Total BTEX	<0.300	0.300	02/02/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 73.3-12	9						
Chloride, SM4500Cl-B	mg	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2760	16.0	02/02/2021	ND	416	104	400	3.92	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/02/2021	ND	229	115	200	1.66	
DRO >C10-C28*	44.4	10.0	02/02/2021	ND	235	117	200	4.24	
EXT DRO >C28-C36	<10.0	10.0	02/02/2021	ND					
Surrogate: 1-Chlorooctane	74.3	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	71.8	% 42.2-15	6						

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Celey D. Keene, Lab Director/Quality Manager



		201 MAIN	NC. LONGCRIER STREET, SUITE : RTH TX, 76102	1360	
		Fax To:	NA		
Received:	01/29/2021			Sampling Date:	01/28/2021
Reported:	02/03/2021			Sampling Type:	Soil
Project Name:	HALLERTAN #5			Sampling Condition:	Cool & Intact
Project Number: Project Location:	NONE GIVEN NOT GIVEN			Sample Received By:	Celey D. Keene

Sample ID: E B - 63 (H210229-84)

BTEX 8021B	mg/	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/02/2021	ND	2.05	102	2.00	3.44	
Toluene*	<0.050	0.050	02/02/2021	ND	2.11	105	2.00	2.19	
Ethylbenzene*	<0.050	0.050	02/02/2021	ND	2.10	105	2.00	2.46	
Total Xylenes*	<0.150	0.150	02/02/2021	ND	6.62	110	6.00	2.07	
Total BTEX	<0.300	0.300	02/02/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	108	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4640	16.0	02/02/2021	ND	416	104	400	3.92	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/02/2021	ND	229	115	200	1.66	
DRO >C10-C28*	<10.0	10.0	02/02/2021	ND	235	117	200	4.24	
EXT DRO >C28-C36	<10.0	10.0	02/02/2021	ND					
Surrogate: 1-Chlorooctane	82.0	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	78.6	% 42.2-15	6						

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Celey D. Keene, Lab Director/Quality Manager



		201 MAIN 9	IC. LONGCRIER STREET, SUITE 1 ITH TX, 76102	360	
		Fax To:	NA		
Received:	01/29/2021			Sampling Date:	01/28/2021
Reported:	02/03/2021			Sampling Type:	Soil
Project Name:	HALLERTAN #5			Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN			Sample Received By:	Celey D. Keene
Project Location:	NOT GIVEN				

Sample ID: E B - 64 (H210229-85)

BTEX 8021B	mg/	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/02/2021	ND	2.05	102	2.00	3.44	
Toluene*	<0.050	0.050	02/02/2021	ND	2.11	105	2.00	2.19	
Ethylbenzene*	<0.050	0.050	02/02/2021	ND	2.10	105	2.00	2.46	
Total Xylenes*	<0.150	0.150	02/02/2021	ND	6.62	110	6.00	2.07	
Total BTEX	<0.300	0.300	02/02/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	10000	16.0	02/02/2021	ND	416	104	400	3.92	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/02/2021	ND	229	115	200	1.66	
DRO >C10-C28*	<10.0	10.0	02/02/2021	ND	235	117	200	4.24	
EXT DRO >C28-C36	<10.0	10.0	02/02/2021	ND					
Surrogate: 1-Chlorooctane	80.0	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	76.8	% 42.2-15	6						

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Celey D. Keene, Lab Director/Quality Manager



Notes and Definitions

QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene, Lab Director/Quality Manager

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aboratories

Page 109 of 129

101 East Marland, Hobbs, NM 88240 CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

-	P.O. #	
Project Manager: MGHT Longune		
Address:	A 4 4	
City: State: Zip:	Attri	
Phone #: Fax #:	Address:	
Pro	City:	
ame: Hallertan	State: Zip:	
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Project Location. Math	1	7
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PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or total, shall be limited unter source of any other cares whatsoever shall be deemed waved unless made in writing and received by Cardinal within 30 days after completion of the please whatsoever shall be deemed waved unless made in writing and received by Cardinal within 30 days after completion of the please whatsoever shall be deemed waved unless made in writing and received by Cardinal within 30 days after completion of the please whatsoever shall be deemed waved unless made in writing and received by Cardinal within 30 days after completion of the please whatsoever shall be deemed waved unless made in writing and received by Cardinal within 30 days after completion of the please whatsoever shall be deemed waved unless made in writing and received by Cardinal within 30 days after completion of the please whatsoever shall be deemed waved unless made in writing and received by Cardinal within 30 days after completion of the please whatsoever shall be deemed waved unless made in writing and received by Cardinal within 30 days after completion of the please whatsoever shall be deemed waved unless made in writing and received by Cardinal within 30 days after completion of the please whatsoever shall be deemed waved unless made in writing and received by Cardinal within 30 days after completion of the please whatsoever shall be deemed waved unless made in writing and the please whatsoever shall be deemed waved unless made in writing and the please whatsoever shall be deemed waved unless made in writing and the please of models waved waved unless made in writing and the please of word waved waved waved waved unless made in writing and the please of word waved wav	sing whether based in contract or tort, shall be limited to use any whether based in contract or tort, shall be limited within 30 days after completion of a aved unless made in writing and received by Cardinal within 30 days after completion of a aved unless made in writing and received or or loss of profils incurred by client, its subsi-	by after completion of the applicable bys after completion of the applicable unred by client, its subsidiaries,
analyses. All claims including those for negligence and any other cases measured initiation, business interruptions, loss of use, or uses or prune or or and the atoms stated reasons or otherwise or the control of the atoms stated reasons or otherwise or the control of the atoms stated reasons or otherwise or the control of the atoms stated reasons or otherwise or the control of the atoms stated reasons or otherwise or the control of the atoms stated reasons or otherwise or the control of the atoms stated reasons or otherwise of the atoms stated reasons or otherwise or the control of the atoms stated reasons or otherwise of the atoms stated reas	nitation, business interruptions, loss of use, or loss or provide renearliess of whather such claim is based upon any of the above	S
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Delivered Bv: (Circle One) Sar	Sample Condition CHECKED BT:	
Sampler - UPS - Bus - Other: 76°C Pres UNCH//S	No No WAHIJ	

Received by OCD: 2/18/2021 2:50:43 PM

Laboratories

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Cut

101 East Marland, Hobbs, NM 88240

	1110-1		BILL IC		
Company Name:	KX Jal		1		
Project Manager:		P.O. #:			
Address:		Company:			
City:	State:	Zip: Attn:			
Phone #:	Fax #:	Address:	S.		
Proiect #:	Project Owner:	wner: City:			
Proiect Name:		State:	Zip:		
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17	E S-17		128		
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	5 6-22		1 1/28		
PLEASE NOTE: Liability and	Damages. Cardinal's liability and client's exc	PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the	act or tort, shall be limited to the amount paid og and received by Cardinal within 30 days a	by the client for the applicable after completion of the applicable	w
arayses. All clarms including in service. In no event shall Card affiliates or successors arismou Relinquished By:	t shall Cardinal be lable for incidental or consequential conserving out of or related to the performance of sea of By: Date: /	service. In no event shall Cardina to independent or consequential damagas, including without limitation, business interruptions, loss of use, or bost of profits incoursed or cardinalise, service. In no event shall Cardina the label for incident of consequential damagas, including without limitation, business interruptions, loss of use, or bost of profits incourse or carbonadia afficiales or succession and of or related to the nerformance of services therein the Cardinal reprofess of wetter such clean is based uno any of the abrows stated to the nerformance of services therein the Cardinal reprofess of wetter such clean is based uno any of the abrows stated to the nerformance of services therein the Cardinal reprofess of wetter such clean is based uno any of the abrows stated to the nerformance of services therein the Cardinal reprofess of wetter such clean is based uno any of the abrows stated to the nerformance of services therein the Cardinal reprofess of wetter such clean is based uno any of the abrows stated to the nerformance of services therein the Cardinal reprofess of wetter such clean is based uno any of the abrows stated to the nerformance of services therein the Cardinal reprofess of wetter such clean is based uno any of the abrows stated to the nerformance of services therein the Cardinal reprofess of wetter such clean is based uno any of the abrows stated to the nerformance of services therein the Cardinal reprofess of wetter such clean is based uno any of the abrows stated to the nerformance of services therein the Cardinal reprofess of wetter such clean is based uno any of the abrows stated to the nerformance of services therein the Cardinal reprofess of wetter such clean is based uno any of the abrows stated to the nerformance of services therein the Cardinal reprofessor of the abrows of	ss of wether such claim is based upon any of the above sated of the ab		Add"I Phone #: Add"I Fax #:
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† Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476

Delivered Bv: (Circle One) Sampler - UPS - Bus - Other:

6

Sample Condition Cool- Intact Yes Yes No No No

> CHECKED BY: (Initials)

Date: Time:

Received By

Page 110 of 129

			2	
11:22 .1	(575) 393-2326 FAX (575) 393-2476	101 East Marland, Hobbs, NM 88240	Laboratories	CARDINAL

Page 111 of 129

City:

Fax #:

State:

Zip:

Attn:

Company

Address:

Address:

Project #: Phone #:

Project Location: Project Name:

Sampler Name:

FOR LAB USE ONLY

Project Manager: Company Name:

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P.O. #:

BILL TO

ANALYSIS

REQUEST

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Sample I.D. N 8-2.2 3-4 8-3 5-1.2 BS 1 N Project Owner: (G)RAB OR (C)OMP. #CONTAINERS GROUNDWATER WASTEWATER MATRIX SOIL OIL SLUDGE OTHER State: City: Fax #: Phone #: ACID/BASE: PRESER/ ICE/COOL 5 OTHER Zip: 178 121 SAMPLING DATE TIME

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service. In no event shall Cardinal be liable for incidental or consequental damages, analyses. All claims including those for negligence and any other cause who PLEASE NOTE: Relinqu Re

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interruptions, loss of use, or loss of profits incurred by client, its subsidiaries

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Received by OCD: 2/18/2021 2:50:43 PM

Sampler - UPS - Bus - Other: Delivered Bv: (Circle One) uished B lisheo Date: Time: Date: Time: 4.6 † Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476 1 ÷ 9 Received B Received By: Cool Intact Sample Condition CHECKED BY: (Initials) Phone Result: Fax Result: REMARKS: □ Yes Add'I Phone #: Add'I Fax #:

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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† Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476

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101 East Marland, Hobbs, NM 88240

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 113 of 129

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† Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476

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Page 114 of 129

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Phone #: Address: 101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476 Fax #: 9 State: Zip:

City: Project Manager: Company Name: Project Location: Project Name: Project #: Sampler Name: avalyses. All claims including those for negligance and any other cause whatsoever shall be deamed waived unles service. In no event shall Cardinal be lable for incidental or consequental damages, including without limitation, but PLEASE NOTE: Liat Haloga FOR LAB USE ONLY Relinquished Re Lab I.D. 2 0 shed By 9 5 g 5 8-41,2 Sample I.D. -40. 449 2-43.2 3-46 3-45. 3 8-47.2 21 inal's liability and client's exc 48 P 40 in 3 Project Owner: Date:/-2 TimeWHO Date: (G)RAB OR (C)OMP Received/By Received By: #CONTAINERS for any claim GROUNDWATER WASTEWATER MATRIX SOIL red unless made in writing and received by Cardinal within 30 days after OIL SLUDGE P.O. ness interruptions, loss of use, or loss of profits incurred by client, its subsidiaries State: City: Attn: OTHER : Fax #: Phone #: Address: Company: ACID/BASE: PRESER/ * ICE/COOL BILL TO or tort, shall be OTHER Zip: 82/1 SAMPLING DATE 28 TIME PH id by the client for the **b**f completion of the applicable loricle □ No Add'I Phone#: □ No Add'I Fax#: ANALYSIS REQUEST



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Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 116 of 129

City: Company Name: Project Manager: Sampler Name: Project Location: Project Name: Project #: Phone #: Address: analyses. All claims including those for negligence and any other cause w service. In no event shall Cardinal be liable for incidental or consequental Relin Relinqui LEASE NOTE: L Haudaa FOR LAB USE ONLY Sampler - UPS -Lab I.D. Delivered Bv: (Circle One) shed By: 1 2 000 2 101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476 Bus - Other: Sample I.D. 3-5 8-54.2 ١ B-S 3-Cardinal's liat B-26 50.2 -55 N is 50 oe Fax #: Project Owner: Þ Time'u Date: State: Date: Time: 8 6 ages, including without limitation, Zip: (G)RAB OR (C)OMP shall be deemed Received By #CONTAINERS IOF deived By: GROUNDWATER Cool Intact WASTEWATER Sample Condition waived unless MATRIX SOIL QIL business interruptions. SLUDGE made in writing and received by Cardinal within 30 days after P.O. #: State: City: Attn: OTHER : Fax #: Phone #: Address: Company: ACID/BASE: PRESER/ CHECKED BY: ICE/COOL BILL TO or tort, shall be OTHER (Initials) loss of use, Zip: 82A SAMPLING DATE 82 or loss of profits incurred by client, its subsidiaries Phone Result:
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† Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240

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Page 96 of 96

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112 Released to Imaging: 6/29/2021 7:30:47 AM

Sampler - UPS - Bus - Other: Delivered Bv: (Circle One)

† Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476

Cool Intact Sample Condition

CHECKED BY:

Time:



February 05, 2021

HAYES ADAMS RX-SOIL INC. 201 MAIN STREET, SUITE 1360 FORT WORTH, TX 76102

RE: HALLERTAN #5

Enclosed are the results of analyses for samples received by the laboratory on 02/04/21 9:37.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-20-13. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/ga/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



Analytical Results For:

			-	1360	
		Fax To:	NA		
Received:	02/04/2021			Sampling Date:	02/04/2021
Reported:	02/05/2021			Sampling Type:	Soil
Project Name:	HALLERTAN #5			Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN			Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX				

Sample ID: Eb - 37.2 (H210279-01)

BTEX 8021B	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Benzene*	<0.050	0.050	02/05/2021	ND	1.99	99.5	2.00	6.51	
Toluene*	<0.050	0.050	02/05/2021	ND	1.94	96.8	2.00	6.66	
Ethylbenzene*	<0.050	0.050	02/05/2021	ND	1.89	94.6	2.00	6.69	
Total Xylenes*	<0.150	0.150	02/05/2021	ND	5.54	92.3	6.00	6.40	
Total BTEX	<0.300	0.300	02/05/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 73.3-12	9						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	400	16.0	02/04/2021	ND	400	100	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/04/2021	ND	219	110	200	6.10	
DRO >C10-C28*	<10.0	10.0	02/04/2021	ND	212	106	200	4.55	
EXT DRO >C28-C36	<10.0	10.0	02/04/2021	ND					
Surrogate: 1-Chlorooctane	76.4	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	80.4	% 42.2-15	· (

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and clent's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatscever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including whose of use, or loss of profits incurred by client, its subsidiaries, affiliates or successor arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C

Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

*=Accredited Analyte

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

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	Standard Rush	REMARKS: Rush added 2/4/	Verbal Result: Yes No Add'l Phone #: All Results are emailed. Please provide Email address:		hu tha oliad for the					TP												

116 Released to Imaging: 6/29/2021 7:30:47 AM . Page 121 of 129



February 11, 2021

MATTHEW LONGCRIER RX-SOIL INC. 201 MAIN STREET, SUITE 1360 FORT WORTH, TX 76102

RE: HALLERTAN #5

Enclosed are the results of analyses for samples received by the laboratory on 02/09/21 15:00.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-20-13. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/ga/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



Analytical Results For:

		201 MAIN	NC. / LONGCRIER STREET, SUITE RTH TX, 76102	1360	
		Fax To:	NA		
Received:	02/09/2021			Sampling Date:	02/09/2021
Reported:	02/11/2021			Sampling Type:	Soil
Project Name:	HALLERTAN #5			Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN			Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX				

Sample ID: EB - 45.3 (H210334-01)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	400	16.0	02/11/2021	ND	400	100	400	3.92	

Sample ID: EB - 59.3 (H210334-02)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	464	16.0	02/11/2021	ND	400	100	400	3.92	

Sample ID: EB - 60.3 (H210334-03)

Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	416	16.0	02/11/2021	ND	400	100	400	3.92	

Cardinal Laboratories

*=Accredited Analyte

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C

Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

*=Accredited Analyte

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Sampler - UPS - Bus -	Delivered By: (Circle One)	Relinquished By:	Relinquished By:	analyses. All claims including service. In no event shall Card	PLEASE NOTE: Liability and I	•		G	2	land	Preview	Lab I.D.		Sampler Name:		Project Maillo.	Decident Name	Proiect #:	Phone #:	City:	Address:	Project Manager:	Company Name:	(
Other:				analyses. All claims including those for negligence and any other cause whatsverve insure verview array of the sub-claims including those for negligence and any other datase whatsverve in the sub-claim is based upon any of the above stated resource is otherwise.	PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the PLEASE NOTE: Liability and Damages. Cardinal within 30 days after completion of the a			EB-60.3	ER-59.3	ER-45.3		Sample I.D.		11001	Mitt		Hallow tau	P	Fa			Matt Longurier	RXSoil	(575) 393-2326 FAX (575) 393-2476
Corrected Temp. °C	Observed Temp. °C 5.2			ause whatsoever shall be used quental damages, including with of services hereunder by Cardi	s exclusive remedy for any cl						(G)R/	AB OR (C)OMP.	_			45	Project Owner:	Fax #:	State: Zip:		ie .		FAX (575) 393-2476
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Page 125 of 129

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APPENDIX E

SITE PHOTOGRAPHS



END OF REPORT

123

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:
CIMAREX ENERGY CO.	215099
600 N. Marienfeld Street	Action Number:
Midland, TX 79701	18287
	Action Type:
	[C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
	Deferral request for sample points E11, E13, B62, B63, and B64 are approved. Cimarex's deferral requests to complete final remediation during any future major construction/alteration or final plugging and abandonment, whichever occurs first is approved. The deferred C-141 will be accepted for record and marked accordingly. The release will remain open in OCD database files and reflect an open environmental issue.	6/29/2021
chensley	Variance request for liner installation is approved.	6/29/2021

CONDITIONS

Action 18287

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