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

)

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Incident ID	
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Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party: MORNINGSTAR OPERATING, LLC	OGRID: 330132
Contact Name: MIKE HOWE	Contact Telephone: (505) 330-3058
Contact email: mhowe@ctfieldsvcs.com	Incident #: nAPP2227139978
Contact mailing address: 400 W 7th St., Fort Worth, TX 76102	

Location of Release Source

Latitude 36.970000

(NAD 83 in decimal degrees to 5 decimal places)

Site Name: CARRACAS 23A #004	Site Type: WELL
Date Release Discovered: 09/27/2022	API# (if applicable): 30-039-27550

Unit Letter	Section	Township	Range	County
D	23	32N	5W	RIO ARRIBA

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): 45	Volume Recovered (bbls): 0
	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)
Come CD 1		

Cause of Release:

The Rig consultant (Pete McNeil) reported that the drying pad filled with fresh water based drilling fluid mixed with coal cuttings overflowed when ground gave way under the outward containment berm and lost 6" of height.

Recei

orm C-141	State of New Mexico				
ge 2	Oil Conservation Division	n	Incident ID		
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			Facility ID Application ID		

Was this a major	If YES, for what reason(s) does the reason	sponsible party con	sider this a major release?		
release as defined by 19.15.29.7(A) NMAC?	Estimated volume (based on length, w 44.5 bbl.	idth, and depth of c	drilling solids containment	berm and sluff he	ight i
🛛 Yes 🗌 No				-	
			·	-∧ _{su}	
If YES, was immediate n Notice of Release submi	notice given to the OCD? By whom? To itted to OCD on 9/28/2022,	whom? When and	d by what means (phone, e	mail, etc)?	
			:	بالمحمد الم	
	Initial	Response		× 、	
The responsible	party must undertake the following actions immedi	- ·	create a safety hazard that would	t result in injury	
The source of the rele	ease has been stopped.				
	is been secured to protect human health a	and the environmen	ıt .		
	ave been contained via the use of berms of			t daviana	
_				t devices.	
	ecoverable materials have been removed		opriately.	بر بر المراجع ا مراجع المراجع ال	
f all the actions described	d above have <u>not</u> been undertaken, expla	in why:		1	
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er 19.15.29.8 B. (4) NM	AC the responsible party may commence a narrative of actions to date. If remedi- at area (see $19.15.29.11(A)(5)(a)$ NMAC)	al efforts have bee	en successfully completed information needed for clo edge and understand that purs form corrective actions for rele	or if the release o osure evaluation. want to OCD rules a eases which may end	nd
within a lined containmen hereby certify that the infor egulations all operators are r ublic health or the environm ailed to adequately investiga ddition, OCD acceptance of	mation given above is true and complete to the required to report and/or file certain release n ment. The acceptance of a C-141 report by the and remediate contamination that pose a the a C-141 report does not relieve the operator	otifications and perfo e OCD does not relie hreat to groundwater.	, surface water, human health	or the environment.	s have . In
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within a lined containmen hereby certify that the infor regulations all operators are r public health or the environm failed to adequately investiga uddition, OCD acceptance of md/or regulations. Printed Name: <u>MIKE H</u> Signature:	required to report and/or file certain release n nent. The acceptance of a C-141 report by the te and remediate contamination that pose a the Ca C-141 report does not relieve the operator	otifications and perfore OCD does not relie hreat to groundwater, of responsibility for of the transmission of transmission of the transmission of transmission of the transmission of transmission of the transmission of transmission of transmission of the transmission of transmi	, surface water, human health compliance with any other fe DUCTION FOREMAN	or the environment, deral, state, or local	s have . In

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Oil Conservation Division

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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>>100</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
- Data table of soil contaminant concentration data
- \square Depth to water determination
- Determination of water sources and significant watercourses within ¹/₂-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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regulations all operators an public health or the enviro failed to adequately invest	formation given above is true and complete e required to report and/or file certain relea nment. The acceptance of a C-141 report b igate and remediate contamination that pos of a C-141 report does not relieve the oper	ise notifications and perform by the OCD does not relieve e a threat to groundwater, s	n corrective actions for re the operator of liability urface water, human heal	eleases which may endanger should their operations have th or the environment. In
Printed Name:Mik	Howe	Title:Pro	oduction Foreman	
Signature:		Date:7-30).n_	¥]ı
email:mhowe@ctfiel	dsvcs.com	Telephone:	(505) 330-3058	· · · · · · · · · · · · · · · · · · ·
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State of New Mexico Oil Conservation Division

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Remediation Plan

Remediation Plan Checklist: Each of the following items must be included in the plan.	
 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 mediately deconstruction.	I
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 pursurules and regulations all operators are required to report and/or file certain release notifications and perform corrective action which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the opliability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groun surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator responsibility for compliance with any other federal, state, or local laws and/or regulations.	ns for releases perator of
Signature: Date: 6-7-1013	<u>`````````````````````````````````````</u>
email: mhowe@ctfieldsvcs.com Telephone:(505) 330-3058	
OCD Only	
Received by: Jocelyn Harimon Date: 06/07/2023	
Approved Approved with Attached Conditions of Approval Denied Deferral Appro	ved
Signature: Data	

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Incident ID	NAPP2227139978
District RP	
Facility ID	
Application ID	

Closure

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (electronic submittals in .pdf format are preferred) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

Closure Report Attachment Checklist: Each of the following items must be included in the closure report.

A scaled site and sampling diagram as described in 19.15.29.11 NMAC

Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)

Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)

Description of remediation activities

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. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

Printed Name:Mike Howe / 4/40 Huve	Title:Production Foreman
Signature:	Date: 6.7.2013
email:mhowe@ctfieldsvcs.com	Telephone:(505) 330-3058
OCD Only	
Received by: Jocelyn Harimon	Date: 06/07/2023
Closure approval by the OCD does not relieve the responsible party or remediate contamination that poses a threat to groundwater, surface w party of compliance with any other federal, state, or local laws and/or	f liability should their operations have failed to adequately investigate and ater, human health, or the environment nor does not relieve the responsible regulations.
Closure Approved by: <u>Nelson Velez</u>	Date: 09/01/2023
Printed Name: Nelson Velez	Title: Environmental Specialist – Adv

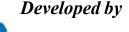
MorningStar Operating, LLC's Carracas 23A #004 Final Closure Report

June 2023

Prepared for



MorningStar Operating, LLC 400 W 7th St Fort Worth, Texas 76102 Phone: (505) 330-3058





EIS Environmental & Permitting Solutions, LLC. 479 Wolverine Drive #9 Bayfield, Colorado 81122 Phone: (970) 884-4080

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Operator	MorningStar Operating, LLC (MorningStar)
Location Name	Carracas 23A #004
Legal Location	Section 23, Township 32 North, Range 5 West
API	30-039-27550
Incident ID	nAPP2227139978

This Final Closure Report has been prepared by EIS Environmental & Permitting Solutions, LLC. (EIS Environmental) for MorningStar Operating, LLC (MorningStar) to meet the requirements and guidelines of the New Mexico Oil Conservation Division (NMOCD) NMAC 19.15.29. This report describes the spill, the extent of the spill, remediation, soil sampling results, and closure criteria.

The MorningStar contact person for this Final Closure Report is:

Mike Howe Production Foreman MorningStar Operating, LLC 400 W 7th St Fort Worth, Texas 76102 505-330-3058

1.0 Project Description and Remediation Status

1.1 Project Introduction

The Carracas 23A #004 well is located in Section 23, Township 32 North, Range 5 West, within the Carson National Forest in New Mexico. The vegetative community consists of a mature ponderosa pine canopy with a gambles oak shrub understory. The natural topography of this location consists of a southeast aspect with approximately 0.092 slope (10% grade) prior to the disturbance. The well pad itself has a southeast aspect and approximately a 0.014 slope (1% grade).

Table 1-1. Spill and Reclamation Area Disturbance Acreage				
Spill/Release Area	0.18 ac			
Total Initial Remediation Area	0.28 ac			

The release occurred on September 27, 2022, during the drilling of a new well, when the cuttings pit became overfilled, and the pit berm collapsed. The overfilling and berm failure resulted in a spill releasing approximately 45 BBL of freshwater and coal cuttings down gradient. The release made its way down gradient of the site for a distance of approximately 890 linear feet. After discovering the spill, MorningStar contacted the NMOCD and Carson National Forest Service, and began initial cleanup of the affected area. Hand crews and a skid-steer were utilized to clean up the soils in the area that had staining and odor within the flow path. Approximately 60 cubic yards of contaminated soil were removed. A Notice of Release (NOR) was filed with the NMOCD when the spill occurred by Samantha Avarello with MorningStar on September 28, 2022. A site inspection was conducted following the initial clean-up efforts for the spill on December 2, 2022, with Mike Howe of MorningStar and Tanner Paulek and Greg Riley of EIS Environmental. During the inspection, an inventory of existing site conditions was conducted; mapping of the spill flow path; a discussion of the clean-up efforts that had occurred, including contaminated soil removed and general impacts of the spill.

1.1.1 Spill Site Photos



Figure 1. Pit with Produced Water and Coal Cuttings (Sept 27, 2022)



Figure 2. Point of Spill (Sept 27, 2022)

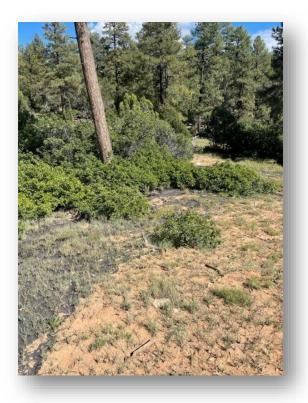


Figure 3. Flow Path of Spill (Sept 27, 2022)



Figure 4. Flow Path of Spill (Sept 27, 2022)



Figure 5. Flow Path of Spill (Sept 27, 2022)

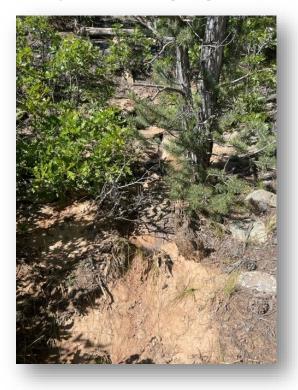


Figure 6. Flow Path of Spill (Sept 27, 2022)

1.1.2 Initial Remediation Site Photos



Figure 7. Start of Spill After Cleanup (Dec 2, 2022)



Figure 8. Flow Path After Cleanup (Dec 2, 2022)

Carracas 23A #004 Final Closure Report



Figure 9. Flow Path After Cleanup (Dec 2, 2022)



Figure 10. Flow Path After Cleanup (Dec 2, 2022)



Figure 11. Flow Path After Cleanup (Dec 2, 2022)



Figure 12. Flow Path After Cleanup (Dec 2, 2022)



Figure 13. Flow Path After Cleanup (Dec 2, 2022)



Figure 14. Flow Path After Cleanup (Dec 2, 2022)



Figure 15. Flow Path After Cleanup (Dec 2, 2022)



Figure 16. Flow Path After Cleanup (Dec 2, 2022)



Figure 17. Flow Path After Cleanup (Dec 2, 2022)



Figure 18. Flow Path After Cleanup (Dec 2, 2022)

2.0 Soil Sampling Results

As outlined in the Soil Sample Plan, EIS Environmental, on behalf of MorningStar, conducted sampling on May 3, 2023. Methodology included collecting a discreet sample every 400 square feet within the release flow path (22 samples in total, see Attachment II) along with four background samples upgradient of the impacted area utilizing the applicable reclamation standards per 19.15.29.13D(1) (See Attachment I) and the Procedures for Implementation of the Spill Rule (19.15.29 NMAC) document dated September 6, 2019. All samples were hand augured to a depth of 1 foot or to a restrictive layer. All samples were transported via ice and analyzed utilizing EPA 300 approved series.

The nearest Point of Diversion (POD) indicating a domestic water well is approximately 14,500' to the east and is at a depth of 800'. Looking at the NMOCD's data on the Carracas 23A #004, the top of the Ojo Alamo formation is 3,264 feet. Looking at a cathodic well that was drilled near the Carracas 18B #003 well, which is approximately 2.12 miles to the NE, water was found at a depth of 230'. As a result, we have concluded that depth to groundwater (DTGW) is estimated to be greater than 100 feet. As such, the closure criteria of soils in Table I >100 feet will be utilized.

Attachment III displays a summary of the results report from Green Analytical Laboratories received on May 16, 2023. A value of ND represents a reading of "not detected," indicating that values of the contaminant of interest were below measurable values. In comparing these results to the thresholds in the Table I – Closure Criteria for Soils Impacted by a Release for standards at >100 feet), there are no samples that exceed the threshold. Of note, only plots 8, 16, 18, and 21 had measurable values for total BTEX, all of which were less than 10% of the threshold value of 50mg/kg. Similarly, only plot 16 had any measurable benzene levels (0.071mg/kg) which was, again, well below the threshold of 10mg/kg. Only plot 9 had any measurable chloride level (13.8 mg/kg dry), which is less than 0.01% of the threshold value of 20,000 mg/kg. Finally, total petroleum hydrocarbon (TPH) levels are assessed for compliance with closure criteria using a value of the sum of gasoline range organics (GRO) C6-10, plus diesel range organics (DRO) C10-28, plus motor range organics (MRO) >C28-36. Attachment III indicates that only plots 16, 20, and 21 had detectable levels of DRO at 19.3mg/kg, 39.2mg/kg, and 11.4mg/kg respectively. Only plot 20 had a detectable levels of MRO at 13.4mg/kg, and only plot 16 had a detectable level of GRO at 10.6mg/kg. Therefore, the TPH levels for these plots are below, with all other plots having no detectable TPH.

Plot	GRO	DRO	MRO	ТРН
16	10.6 mg/kg	ND	19.3 mg/kg	29.9 mg/kg
20	ND	13.4 mg/kg	39.2 mg/kg	52.6 mg/kg
21	ND	ND	11.4 mg/kg	11.4 mg/kg

Table 2-1. Plots with measured TPH levels

Therefore, all TPH levels are well below (less than 1% of) the threshold per the Table I – Closure Criteria for Soils Impacted by a Release for standards at >100 feet of 2,500 mg/kg.

3.0 Closure

MorningStar is requesting site closure for this spill. The terminal end did not enter into any setbacks as required by 19.15.29.12.C.(4). Remediation efforts were completed as described in section 1.0, and soil samples collected post remediation contained concentrations that were less than the parameters listed in Table I of 19.15.29.12 NMAC. As described in section 1.0, soil was removed with a skid-steer or by hand in a manner that retained original contours of the location.

According to the USDA NRCS web soil survey the soils within the release area are mapped as 721-Elbuck family, warm, Fort Lewis family, warm, and Lithic Ustorthents, frigid, dry soils, 0 to 40 percent slopes. Based on the location and ground truthing of the release area the soils can be further defined within the setting of Lithic Ustorthents, Frigid, Dry. These soils are described as having a restrictive depth at 0 -20 inches to lithic bedrock. The typical profile is described as having an organic soil layer (Oi) from 0 - 0 inches, an "A" layer of sandy loam from 0 to 2 inches, a "C" layer of loamy sand from 2-10 inches, and a "Cr" soil layer of at 10 - 13 inches. A typical topsoil layer supporting vegetative growth consists of Layers "Oi" and "A." Soil sampling in the field demonstrated a restrictive bedrock layer being encountered anywhere from 0 to 12 inches. In general, soil depths within the release area were observed on the shallower end of this spectrum in the field due to the release area being located within a depressional drainage with loss of soil from erosion over time.

MorningStar is requesting a variance from rule 19.15.29.13.D(1) requiring the reclamation contain a minimum of four feet of non-waste containing, uncontaminated, earthen material with chloride concentrations less than 600 mg/kg as analyzed by EPA Method 300.0, or other test methods approved by the division. This variance is being requested based on the native soil condition having only a minimal cover of 0-20 inches. The remediated and reclaimed release area currently contains a soil cover including a top layer which is similar to the background thickness of topsoil in the area and is suitable material to establish vegetation at the site, as is illustrated by current vegetation growth occurring within the release area. Bringing in additional soil and equipment needed to spread and contour soils would negatively impact this site because it would require further disturbance of existing, well-developed vegetation which at the time of soil sampling (May 3, 2023), met the vegetative coverage requirements described in rule 19.15.29.13.D(3). At the release site, a tertiary ecosystem comprised of primarily woody trees and shrubs is observed with species composition consisting primarily of Ponderosa pine (*Pinus ponderosa*) and Gambel oak (Ouercus gambelii). As this release occurred in a depressional drainage with frequent disturbance from erosion and beneath a well-developed canopy formed by Ponderosa pine and Gambel oak, pre-release vegetative coverage of grasses and forbs was likely sparse, and non-existent on bare bedrock. This can be observed downstream of the release in the non-disturbed areas of the depressional drainage. Pre-release tree and shrub species remain established.

Therefore, MorningStar posits that rule 19.15.29.13.D(3) has been met, and should a variance be granted from rule 19.15.29.13.D(1), would contraindicate the need for reseeding required in rule 19.15.29.13.D(2) as vegetative cover at the release site already matches background cover and pre-disturbance cover. Further, granting a variance to 19.15.29.13.D(1), based on the above explanations, will provide equal or better protection of fresh water, public health and the environment.

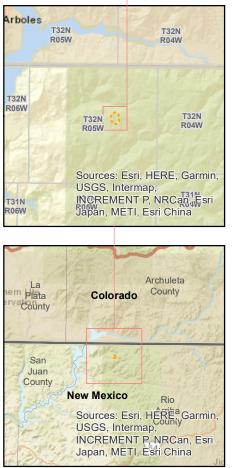
The Carson National Forest, Jicarilla Ranger District has been contacted for their comments concerning the requested variance. After conducting a site visit, they concurred that bringing in additional material would be unnecessary. Please refer to email communication dated 6/1/2023 and attached to this report.

		ible I	
		ils Impacted by a Release	
Minimum depth below any point within the horizontal boundary of the release to ground water less than 10,000 mg/l TDS	Constituent	Method*	Limit**
\leq 50 feet	Chloride***	EPA 300.0 or SM4500 Cl B	600 mg/kg
	TPH (GRO+DRO+MRO)	EPA SW-846 Method 8015M	100 mg/kg
	BTEX	EPA SW-846 Method 8021B or 8260B	50 mg/kg
	Benzene	EPA SW-846 Method 8021B or 8260B	10 mg/kg
51 feet-100 feet	Chloride***	EPA 300.0 or SM4500 Cl B	10,000 mg/kg
	TPH (GRO+DRO+MRO)	EPA SW-846 Method 8015M	2,500 mg/kg
	GRO+DRO	EPA SW-846 Method 8015M	1,000 mg/kg
	BTEX	EPA SW-846 Method 8021B or 8260B	50 mg/kg
	Benzene	EPA SW-846 Method 8021B or 8260B	10 mg/kg
>100 feet	Chloride***	EPA 300.0 or SM4500 Cl B	20,000 mg/kg
	TPH (GRO+DRO+MRO)	EPA SW-846 Method 8015M	2,500 mg/kg
	GRO+DRO	EPA SW-846 Method 8015M	1,000 mg/kg
	BTEX	EPA SW-846 Method 8021B or 8260B	50 mg/kg
	Benzene	EPA SW-846 Method 8021B or 8260B	10 mg/kg

Attachment I – Table I Closure Criteria for Soils Impacted by a Release

Attachment II – Maps







Morningstar Carracas 23A #004 Well:

@ 36.970097, -107.336662 0

Carracas 23A #004 Spill Flow Path

Ephemeral Stream (NHD)

Watercourse (NHD):

----- None Within 300'

Waterbody (NHD):

Sone Within 200'

0

Riverine Area

100-year Flood Zone (FEMA):

None Within Spill Area

Water "Point of Diversion":

None Within 500'

Water Well:

None Within 1000' Structure:

None Within 300'

– 10' Contour

1/2 Mile Flow Path Buffer 1000' Flow Path Buffer 500' Flow Path Buffer 300' Flow Path Buffer 200' Flow Path Buffer

Coordinate System: NAD 1983 State Released to Maxico Cantral F1023392:55:12 PM



Data Sources: BLM, EIS, ESRI, NM State, USGS, Morningstar



⊐Feet 1:6,000

600

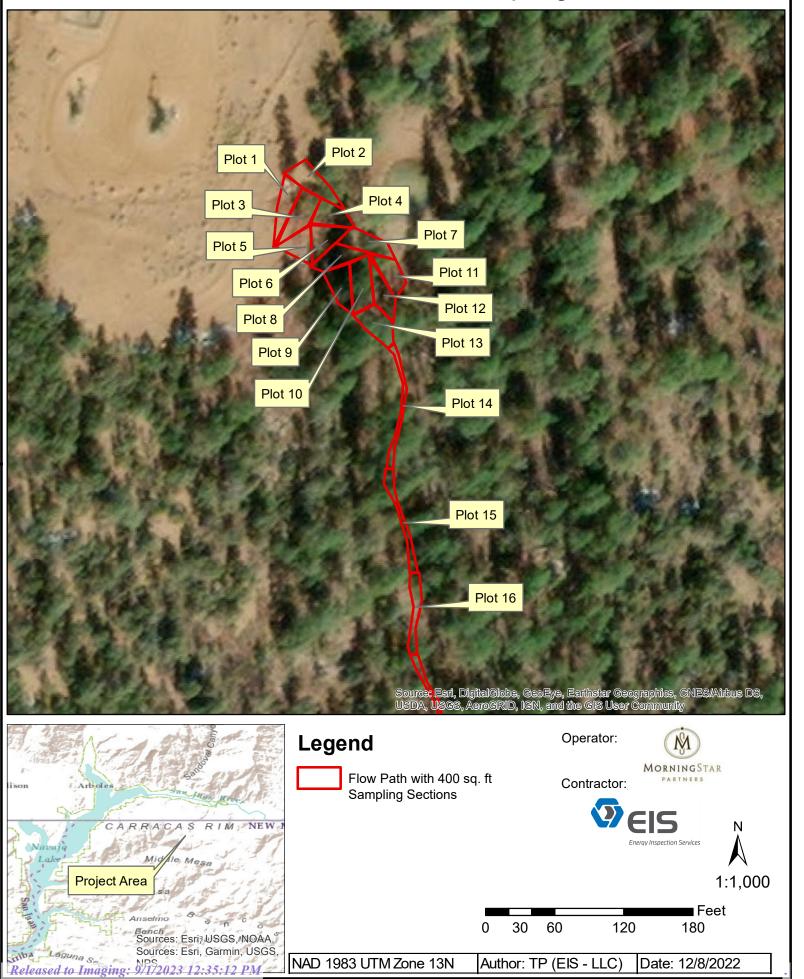
Author: MM, EIS Environmental 1 inch = 500 feet & Permitting Solutions

Date: 12/29/2022

Received by OCD: 6/7/2023 8:52:32 AM

Carracus 23A #004 Soil Sampling Plots

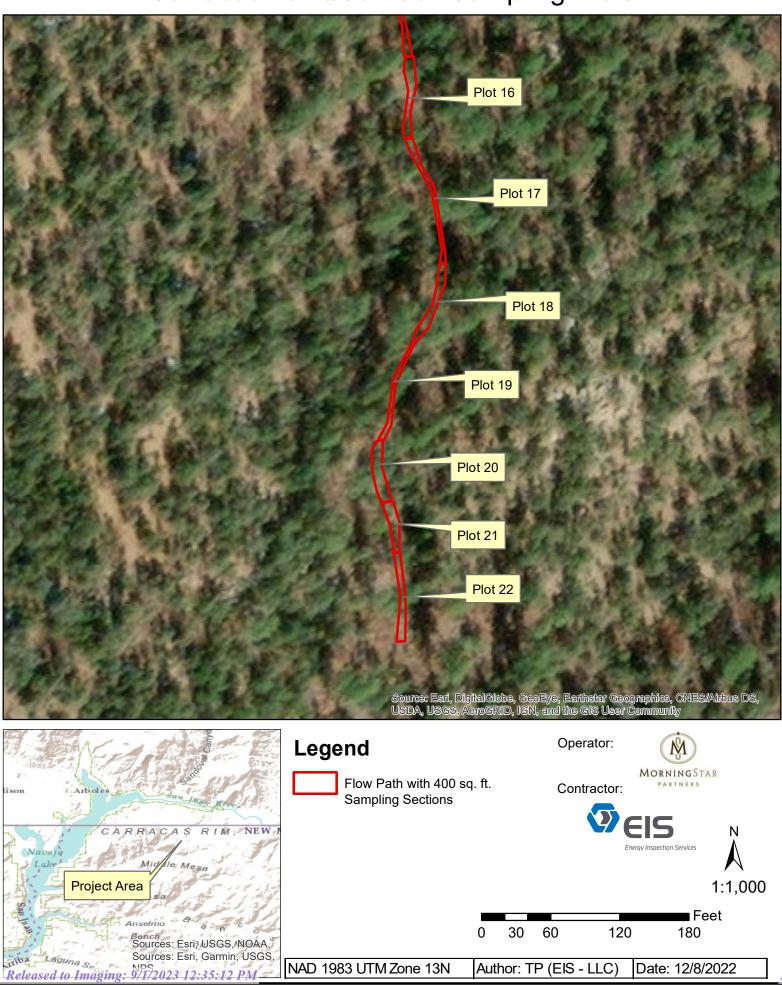
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Carracus 23A #004 Soil Sampling Plots

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Attachment III – Soil Sample Results

SAMPLE NAME	LABSAMPID	MATRIX	SAMPDATE	METHODCODE	ANALYTE	RESULT	RL	Units
Carracas Control 1	2305061-53	Solid	5/3/2023 8:45:00 AM	Percent Solids	% Dry Solids	90.3		%
Carracas Control 2	2305061-54	Solid	5/3/2023 8:52:00 AM	Percent Solids	% Dry Solids	90.1		%
Carracas Control 3	2305061-55	Solid	5/3/2023 8:57:00 AM	Percent Solids	% Dry Solids	89.6		%
Carracas Control 4	2305061-56	Solid	5/3/2023 9:15:00 AM	Percent Solids	% Dry Solids	91.3		%
Carracas Plot 1	2305061-78	Solid	5/3/2023 2:46:00 PM	Percent Solids	% Dry Solids	88.8		%
Carracas Plot 2	2305061-77	Solid	5/3/2023 2:32:00 PM	Percent Solids	% Dry Solids	87.5		%
Carracas Plot 3	2305061-76	Solid	5/3/2023 2:21:00 PM	Percent Solids	% Dry Solids	87.8		%
Carracas Plot 4	2305061-75	Solid	5/3/2023 2:04:00 PM	Percent Solids	% Dry Solids	9.88		%
Carracas Plot 5	2305061-74	Solid	5/3/2023 1:56:00 PM	Percent Solids	% Dry Solids	82.3		%
Carracas Plot 6	2305061-73	Solid	5/3/2023 2:15:00 PM	Percent Solids	% Dry Solids	85.4		%
Carracas Plot 7	2305061-72	Solid	5/3/2023 1:47:00 PM	Percent Solids	% Dry Solids	90.2		%
Carracas Plot 8	2305061-71	Solid	5/3/2023 1:37:00 PM	Percent Solids	% Dry Solids	89.6		%
Carracas Plot 9	2305061-70	Solid	5/3/2023 1:32:00 PM	Percent Solids	% Dry Solids	91.2		%
Carracas Plot 10	2305061-69	Solid	5/3/2023 1:20:00 PM	Percent Solids	% Dry Solids	82.6		%
Carracas Plot 11	2305061-68	Solid	5/3/2023 1:07:00 PM	Percent Solids	% Dry Solids	81.8		%
Carracas Plot 12	2305061-67	Solid	5/3/2023 12:58:00 PM	Percent Solids	% Dry Solids	86.2		%
Carracas Plot 13	2305061-66	Solid	5/3/2023 12:44:00 PM	Percent Solids	% Dry Solids	81.3		%
Carracas Plot 14	2305061-65	Solid	5/3/2023 12:26:00 PM	Percent Solids	% Dry Solids	87.8		%
Carracas Plot 15	2305061-64	Solid	5/3/2023 12:14:00 PM	Percent Solids	% Dry Solids	90.6		%
Carracas Plot 16	2305061-63	Solid	5/3/2023 11:56:00 AM	Percent Solids	% Dry Solids	90.4		%
Carracas Plot 17	2305061-62	Solid	5/3/2023 11:40:00 AM	Percent Solids	% Dry Solids	82.4		%
Carracas Plot 18	2305061-61	Solid	5/3/2023 11:26:00 AM	Percent Solids	% Dry Solids	90.8		%
Carracas Plot 19	2305061-60	Solid	5/3/2023 10:43:00 AM	Percent Solids	% Dry Solids	89.5		%
Carracas Plot 20	2305061-59	Solid	5/3/2023 10:16:00 AM	Percent Solids	% Dry Solids	91.0		%
Carracas Plot 21	2305061-58	Solid	5/3/2023 9:53:00 AM	Percent Solids	% Dry Solids	91.3		%
C								
Carracas Plot 22	2305061-57	Solid	5/3/2023 9:30:00 AM	Percent Solids	% Dry Solids	90.3		%
Carracas Plot 22	2305061-57	Solid	5/3/2023 9:30:00 AM	Percent Solids	% Dry Solids	90.3		%
	2305061-57			Percent Solids		90.3 RESULT	RL	% Units
SAMPLE NAME	LABSAMPID		SAMPDATE	METHODCODE	ANALYTE		RL 11.1	Units
SAMPLE NAME Carracas Control 1	LABSAMPID 2305061-53	MATRIX Solid	SAMPDATE 5/3/2023 8:45:00 AM	METHODCODE Chloride by IC	ANALYTE Chloride	RESULT		Units mg/kg dr
SAMPLE NAME Carracas Control 1 Carracas Control 2	LABSAMPID 2305061-53 2305061-54	MATRIX Solid Solid	SAMPDATE 5/3/2023 8:45:00 AM 5/3/2023 8:52:00 AM	METHODCODE Chloride by IC Chloride by IC	ANALYTE Chloride Chloride	RESULT ND ND	11.1 11.1	Units mg/kg dry mg/kg dry
SAMPLE NAME Carracas Control 1 Carracas Control 2 Carracas Control 3	LABSAMPID 2305061-53 2305061-54 2305061-55	MATRIX Solid Solid Solid	SAMPDATE 5/3/2023 8:45:00 AM 5/3/2023 8:52:00 AM 5/3/2023 8:57:00 AM	METHODCODE Chloride by IC Chloride by IC Chloride by IC	ANALYTE Chloride Chloride Chloride	RESULT ND ND ND	11.1 11.1 11.2	Units mg/kg dr mg/kg dr mg/kg dr
SAMPLE NAME Carracas Control 1 Carracas Control 2 Carracas Control 3 Carracas Control 4	LABSAMPID 2305061-53 2305061-54 2305061-55 2305061-56	MATRIX Solid Solid Solid Solid	SAMPDATE 5/3/2023 8:45:00 AM 5/3/2023 8:52:00 AM 5/3/2023 8:57:00 AM 5/3/2023 9:15:00 AM	METHODCODE Chloride by IC Chloride by IC Chloride by IC Chloride by IC	ANALYTE Chloride Chloride Chloride Chloride	RESULT ND ND ND ND	11.1 11.1 11.2 11.0	Units mg/kg dry mg/kg dry mg/kg dry
SAMPLE NAME Carracas Control 1 Carracas Control 2 Carracas Control 3 Carracas Control 4 Carracas Plot 1	LABSAMPID 2305061-53 2305061-54 2305061-55 2305061-56 2305061-78	MATRIX Solid Solid Solid Solid Solid	SAMPDATE 5/3/2023 8:45:00 AM 5/3/2023 8:52:00 AM 5/3/2023 8:57:00 AM 5/3/2023 9:15:00 AM 5/3/2023 2:46:00 PM	METHODCODE Chloride by IC Chloride by IC Chloride by IC Chloride by IC Chloride by IC	ANALYTE Chloride Chloride Chloride Chloride Chloride	RESULT ND ND ND ND ND ND	11.1 11.1 11.2 11.0 11.3	Units mg/kg dn mg/kg dn mg/kg dn mg/kg dn
SAMPLE NAME Carracas Control 1 Carracas Control 2 Carracas Control 3 Carracas Control 4 Carracas Plot 1 Carracas Plot 2	LABSAMPID 2305061-53 2305061-54 2305061-55 2305061-56 2305061-78 2305061-77	MATRIX Solid Solid Solid Solid Solid Solid	SAMPDATE 5/3/2023 8:45:00 AM 5/3/2023 8:52:00 AM 5/3/2023 8:57:00 AM 5/3/2023 9:15:00 AM 5/3/2023 2:46:00 PM 5/3/2023 2:32:00 PM	METHODCODE Chloride by IC Chloride by IC Chloride by IC Chloride by IC Chloride by IC Chloride by IC	ANALYTE Chloride Chloride Chloride Chloride Chloride Chloride	RESULT ND ND ND ND ND ND ND	11.1 11.1 11.2 11.0 11.3 11.4	Units mg/kg dn mg/kg dn mg/kg dn mg/kg dn mg/kg dn mg/kg dn
SAMPLE NAME Carracas Control 1 Carracas Control 2 Carracas Control 3 Carracas Control 4 Carracas Plot 1 Carracas Plot 2 Carracas Plot 3	LABSAMPID 2305061-53 2305061-54 2305061-55 2305061-56 2305061-78 2305061-77 2305061-76	MATRIX Solid Solid Solid Solid Solid Solid Solid	SAMPDATE 5/3/2023 8:45:00 AM 5/3/2023 8:52:00 AM 5/3/2023 8:57:00 AM 5/3/2023 9:15:00 AM 5/3/2023 2:46:00 PM 5/3/2023 2:32:00 PM 5/3/2023 2:21:00 PM	METHODCODE Chloride by IC Chloride by IC Chloride by IC Chloride by IC Chloride by IC Chloride by IC Chloride by IC	ANALYTE Chloride Chloride Chloride Chloride Chloride Chloride Chloride	RESULT ND ND ND ND ND ND ND ND	11.1 11.2 11.0 11.3 11.4 11.4	Units mg/kg dn mg/kg dn mg/kg dn mg/kg dn mg/kg dn mg/kg dn mg/kg dn
SAMPLE NAME Carracas Control 1 Carracas Control 2 Carracas Control 3 Carracas Control 4 Carracas Plot 1 Carracas Plot 2 Carracas Plot 3 Carracas Plot 4	LABSAMPID 2305061-53 2305061-54 2305061-55 2305061-56 2305061-78 2305061-77 2305061-76 2305061-75	MATRIX Solid Solid Solid Solid Solid Solid Solid Solid	SAMPDATE 5/3/2023 8:45:00 AM 5/3/2023 8:52:00 AM 5/3/2023 8:57:00 AM 5/3/2023 9:15:00 AM 5/3/2023 2:46:00 PM 5/3/2023 2:32:00 PM 5/3/2023 2:21:00 PM 5/3/2023 2:04:00 PM	METHODCODE Chloride by IC Chloride by IC	ANALYTE Chloride Chloride Chloride Chloride Chloride Chloride Chloride Chloride	RESULT ND ND ND ND ND ND ND ND ND	11.1 11.1 11.2 11.0 11.3 11.4 11.4 101	Units mg/kg dn mg/kg dn mg/kg dn mg/kg dn mg/kg dn mg/kg dn mg/kg dn
SAMPLE NAME Carracas Control 1 Carracas Control 2 Carracas Control 3 Carracas Control 4 Carracas Plot 1 Carracas Plot 2 Carracas Plot 3 Carracas Plot 4 Carracas Plot 5	LABSAMPID 2305061-53 2305061-54 2305061-55 2305061-56 2305061-78 2305061-77 2305061-77 2305061-75 2305061-74	MATRIX Solid Solid Solid Solid Solid Solid Solid Solid Solid	SAMPDATE 5/3/2023 8:45:00 AM 5/3/2023 8:52:00 AM 5/3/2023 8:57:00 AM 5/3/2023 9:15:00 AM 5/3/2023 2:46:00 PM 5/3/2023 2:32:00 PM 5/3/2023 2:21:00 PM 5/3/2023 2:04:00 PM 5/3/2023 1:56:00 PM	METHODCODE Chloride by IC Chloride by IC	ANALYTE Chloride Chloride Chloride Chloride Chloride Chloride Chloride Chloride Chloride	RESULT ND ND ND ND ND ND ND ND ND	11.1 11.2 11.0 11.3 11.4 11.4 101 12.2	Units mg/kg dn mg/kg dn mg/kg dn mg/kg dn mg/kg dn mg/kg dn mg/kg dn mg/kg dn mg/kg dn
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SAMPLE NAME Carracas Control 1 Carracas Control 2 Carracas Control 3 Carracas Control 4 Carracas Plot 1 Carracas Plot 2 Carracas Plot 3 Carracas Plot 4 Carracas Plot 5 Carracas Plot 6 Carracas Plot 7	LABSAMPID 2305061-53 2305061-54 2305061-55 2305061-56 2305061-78 2305061-77 2305061-76 2305061-75 2305061-73 2305061-73 2305061-72	MATRIX Solid Solid Solid Solid Solid Solid Solid Solid Solid Solid Solid	SAMPDATE 5/3/2023 8:45:00 AM 5/3/2023 8:52:00 AM 5/3/2023 8:57:00 AM 5/3/2023 9:15:00 AM 5/3/2023 2:46:00 PM 5/3/2023 2:21:00 PM 5/3/2023 2:04:00 PM 5/3/2023 1:56:00 PM 5/3/2023 2:15:00 PM 5/3/2023 1:47:00 PM	METHODCODE Chloride by IC Chloride by IC	ANALYTE Chloride Chloride Chloride Chloride Chloride Chloride Chloride Chloride Chloride Chloride Chloride	RESULT ND ND ND ND ND ND ND ND ND ND ND	11.1 11.1 11.2 11.0 11.3 11.4 11.4 101 12.2 11.7 11.1	Units mg/kg dn mg/kg dn
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SAMPLE NAME Carracas Control 1 Carracas Control 2 Carracas Control 3 Carracas Control 4 Carracas Plot 1 Carracas Plot 2 Carracas Plot 3 Carracas Plot 4 Carracas Plot 5 Carracas Plot 6 Carracas Plot 7 Carracas Plot 8 Carracas Plot 9 Carracas Plot 10 Carracas Plot 11 Carracas Plot 12 Carracas Plot 13	LABSAMPID 2305061-53 2305061-54 2305061-55 2305061-56 2305061-78 2305061-77 2305061-76 2305061-73 2305061-73 2305061-72 2305061-71 2305061-70 2305061-68 2305061-67 2305061-66	MATRIX Solid Solid Solid Solid Solid Solid Solid Solid Solid Solid Solid Solid Solid Solid Solid Solid Solid Solid Solid	SAMPDATE 5/3/2023 8:45:00 AM 5/3/2023 8:52:00 AM 5/3/2023 8:57:00 AM 5/3/2023 9:15:00 AM 5/3/2023 2:46:00 PM 5/3/2023 2:21:00 PM 5/3/2023 2:04:00 PM 5/3/2023 1:56:00 PM 5/3/2023 1:47:00 PM 5/3/2023 1:37:00 PM 5/3/2023 1:32:00 PM 5/3/2023 1:20:00 PM 5/3/2023 1:258:00 PM 5/3/2023 12:44:00 PM	METHODCODE Chloride by IC Chloride by IC	ANALYTE Chloride Chloride Chloride Chloride Chloride Chloride Chloride Chloride Chloride Chloride Chloride Chloride Chloride Chloride Chloride Chloride Chloride Chloride	RESULT ND ND ND ND ND ND ND ND ND 13.8 ND ND ND ND ND ND ND	11.1 11.1 11.2 11.0 11.3 11.4 11.4 101 12.2 11.7 11.1 11.2 11.0 12.1 12.2 11.6 12.3	Units mg/kg dn mg/kg dn
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SAMPLE NAME Carracas Control 1 Carracas Control 2 Carracas Control 3 Carracas Control 4 Carracas Plot 1 Carracas Plot 2 Carracas Plot 3 Carracas Plot 4 Carracas Plot 5 Carracas Plot 5 Carracas Plot 6 Carracas Plot 7 Carracas Plot 7 Carracas Plot 9 Carracas Plot 9 Carracas Plot 10 Carracas Plot 11 Carracas Plot 12 Carracas Plot 13 Carracas Plot 14 Carracas Plot 15	LABSAMPID 2305061-53 2305061-54 2305061-55 2305061-56 2305061-78 2305061-77 2305061-76 2305061-76 2305061-73 2305061-71 2305061-70 2305061-69 2305061-68 2305061-66 2305061-65 2305061-64	MATRIX Solid	SAMPDATE 5/3/2023 8:45:00 AM 5/3/2023 8:52:00 AM 5/3/2023 8:57:00 AM 5/3/2023 9:15:00 AM 5/3/2023 2:46:00 PM 5/3/2023 2:21:00 PM 5/3/2023 2:21:00 PM 5/3/2023 1:56:00 PM 5/3/2023 1:37:00 PM 5/3/2023 1:37:00 PM 5/3/2023 1:20:00 PM 5/3/2023 1:2:00 PM 5/3/2023 1:2:00 PM 5/3/2023 1:2:00 PM 5/3/2023 1:2:00 PM	METHODCODE Chloride by IC Chloride by IC	ANALYTE Chloride	RESULT ND ND ND ND ND ND ND ND ND 13.8 ND ND ND ND ND ND ND ND ND ND ND	11.1 11.1 11.2 11.0 11.3 11.4 11.4 101 12.2 11.7 11.1 11.2 11.0 12.1 12.2 11.6 12.3 11.4 11.4 11.0	Units mg/kg dn mg/kg dn
SAMPLE NAME Carracas Control 1 Carracas Control 2 Carracas Control 3 Carracas Control 4 Carracas Plot 1 Carracas Plot 2 Carracas Plot 3 Carracas Plot 4 Carracas Plot 5 Carracas Plot 5 Carracas Plot 6 Carracas Plot 7 Carracas Plot 8 Carracas Plot 9 Carracas Plot 9 Carracas Plot 10 Carracas Plot 11 Carracas Plot 12 Carracas Plot 13 Carracas Plot 14 Carracas Plot 15 Carracas Plot 16	LABSAMPID 2305061-53 2305061-54 2305061-55 2305061-56 2305061-78 2305061-77 2305061-76 2305061-76 2305061-73 2305061-73 2305061-70 2305061-69 2305061-68 2305061-66 2305061-65 2305061-64 2305061-64	MATRIX Solid	SAMPDATE 5/3/2023 8:45:00 AM 5/3/2023 8:52:00 AM 5/3/2023 8:57:00 AM 5/3/2023 9:15:00 AM 5/3/2023 2:46:00 PM 5/3/2023 2:21:00 PM 5/3/2023 2:04:00 PM 5/3/2023 1:56:00 PM 5/3/2023 1:37:00 PM 5/3/2023 1:37:00 PM 5/3/2023 1:20:00 PM 5/3/2023 1:2:00 PM	METHODCODE Chloride by IC Chloride by IC	ANALYTE Chloride	RESULT ND ND ND ND ND ND ND ND ND 13.8 ND ND ND ND ND ND ND ND ND ND ND ND	11.1 11.1 11.2 11.0 11.3 11.4 11.4 11.4 101 12.2 11.7 11.1 11.2 11.0 12.1 12.2 11.6 12.3 11.4 11.0 11.1	Units mg/kg dr mg/kg dr
Carracas Plot 22 SAMPLE NAME Carracas Control 1 Carracas Control 2 Carracas Control 3 Carracas Control 4 Carracas Plot 1 Carracas Plot 2 Carracas Plot 3 Carracas Plot 4 Carracas Plot 5 Carracas Plot 5 Carracas Plot 6 Carracas Plot 7 Carracas Plot 8 Carracas Plot 9 Carracas Plot 10 Carracas Plot 11 Carracas Plot 12 Carracas Plot 12 Carracas Plot 13 Carracas Plot 14 Carracas Plot 15 Carracas Plot 16 Carracas Plot 17 Carracas Plot 17 Carracas Plot 17 Carracas Plot 16 Carracas Plot 17 Carracas Plot 18	LABSAMPID 2305061-53 2305061-54 2305061-55 2305061-56 2305061-78 2305061-77 2305061-76 2305061-73 2305061-73 2305061-73 2305061-69 2305061-68 2305061-68 2305061-65 2305061-64 2305061-63 2305061-63	MATRIX Solid	SAMPDATE 5/3/2023 8:45:00 AM 5/3/2023 8:52:00 AM 5/3/2023 8:57:00 AM 5/3/2023 9:15:00 AM 5/3/2023 2:46:00 PM 5/3/2023 2:21:00 PM 5/3/2023 2:04:00 PM 5/3/2023 1:56:00 PM 5/3/2023 1:37:00 PM 5/3/2023 1:37:00 PM 5/3/2023 1:20:00 PM 5/3/2023 1:20:00 PM 5/3/2023 1:2:400 PM 5/3/2023 12:44:00 PM 5/3/2023 12:26:00 PM 5/3/2023 12:14:00 PM	METHODCODE Chloride by IC Chloride by IC	ANALYTE Chloride	RESULT ND ND ND ND ND ND ND ND 13.8 ND ND ND ND ND ND ND ND ND ND ND ND ND	11.1 11.2 11.0 11.3 11.4 11.4 101 12.2 11.7 11.1 11.2 11.0 12.1 12.2 11.6 12.1 11.2 11.0 12.1 11.0 11.4 11.0 12.1 11.4 11.4 11.1 12.2	Units mg/kg dn mg/kg dn
SAMPLE NAME Carracas Control 1 Carracas Control 2 Carracas Control 3 Carracas Control 4 Carracas Plot 1 Carracas Plot 2 Carracas Plot 3 Carracas Plot 4 Carracas Plot 5 Carracas Plot 5 Carracas Plot 6 Carracas Plot 7 Carracas Plot 8 Carracas Plot 9 Carracas Plot 10 Carracas Plot 11 Carracas Plot 12 Carracas Plot 13 Carracas Plot 13 Carracas Plot 14 Carracas Plot 15 Carracas Plot 16 Carracas Plot 17 Carracas Plot 17 Carracas Plot 18	LABSAMPID 2305061-53 2305061-54 2305061-55 2305061-56 2305061-78 2305061-77 2305061-76 2305061-73 2305061-73 2305061-73 2305061-70 2305061-68 2305061-68 2305061-66 2305061-65 2305061-64 2305061-63 2305061-62 2305061-63	MATRIX Solid	SAMPDATE 5/3/2023 8:45:00 AM 5/3/2023 8:52:00 AM 5/3/2023 8:57:00 AM 5/3/2023 9:15:00 AM 5/3/2023 2:46:00 PM 5/3/2023 2:21:00 PM 5/3/2023 2:04:00 PM 5/3/2023 1:56:00 PM 5/3/2023 1:47:00 PM 5/3/2023 1:37:00 PM 5/3/2023 1:20:00 PM 5/3/2023 1:20:00 PM 5/3/2023 1:20:00 PM 5/3/2023 1:21:40 PM 5/3/2023 12:26:00 PM 5/3/2023 11:26:00 AM 5/3/2023 11:40:00 AM	METHODCODE Chloride by IC Chloride by IC	ANALYTE Chloride	RESULT ND ND ND ND ND ND ND ND ND 13.8 ND ND ND ND ND ND ND ND ND ND ND ND ND	11.1 11.2 11.0 11.3 11.4 11.4 101 12.2 11.7 11.1 11.2 11.0 12.1 12.2 11.6 12.1 11.0 12.1 11.0 11.1 11.2 11.1 12.2 11.1 12.2 11.1 12.2 11.1 12.2	Units mg/kg dn mg/kg dn
SAMPLE NAME Carracas Control 1 Carracas Control 2 Carracas Control 3 Carracas Control 4 Carracas Plot 1 Carracas Plot 2 Carracas Plot 3 Carracas Plot 4 Carracas Plot 5 Carracas Plot 5 Carracas Plot 6 Carracas Plot 7 Carracas Plot 8 Carracas Plot 9 Carracas Plot 9 Carracas Plot 10 Carracas Plot 11 Carracas Plot 12 Carracas Plot 13 Carracas Plot 13 Carracas Plot 15 Carracas Plot 15 Carracas Plot 16 Carracas Plot 17 Carracas Plot 18 Carracas Plot 18 Carracas Plot 19	LABSAMPID 2305061-53 2305061-54 2305061-55 2305061-56 2305061-78 2305061-77 2305061-76 2305061-73 2305061-73 2305061-73 2305061-69 2305061-69 2305061-66 2305061-65 2305061-64 2305061-63 2305061-61 2305061-61 2305061-61	MATRIX Solid	SAMPDATE 5/3/2023 8:45:00 AM 5/3/2023 8:52:00 AM 5/3/2023 8:57:00 AM 5/3/2023 9:15:00 AM 5/3/2023 2:46:00 PM 5/3/2023 2:21:00 PM 5/3/2023 2:04:00 PM 5/3/2023 1:56:00 PM 5/3/2023 1:500 PM 5/3/2023 1:37:00 PM 5/3/2023 1:20:00 PM 5/3/2023 1:20:00 PM 5/3/2023 1:20:00 PM 5/3/2023 1:20:00 PM 5/3/2023 1:26:00 PM 5/3/2023 12:14:00 PM 5/3/2023 11:26:00 AM 5/3/2023 11:26:00 AM 5/3/2023 11:26:00 AM	METHODCODE Chloride by IC Chloride by IC	ANALYTE Chloride	RESULT ND ND ND ND ND ND ND ND ND 13.8 ND ND ND ND ND ND ND ND ND ND ND ND ND	11.1 11.2 11.0 11.3 11.4 11.4 101 12.2 11.7 11.1 11.2 11.0 12.1 12.2 11.6 12.1 11.6 12.1 11.0 11.1 12.2 11.6 12.1 11.0 11.1 12.1 11.0 11.2	Units mg/kg dn mg/kg dn
SAMPLE NAME Carracas Control 1 Carracas Control 2 Carracas Control 3 Carracas Control 4 Carracas Plot 1 Carracas Plot 2 Carracas Plot 3 Carracas Plot 4 Carracas Plot 5 Carracas Plot 5 Carracas Plot 6 Carracas Plot 7 Carracas Plot 8 Carracas Plot 9 Carracas Plot 9 Carracas Plot 10 Carracas Plot 11 Carracas Plot 12 Carracas Plot 13 Carracas Plot 14 Carracas Plot 15 Carracas Plot 16	LABSAMPID 2305061-53 2305061-54 2305061-55 2305061-56 2305061-78 2305061-77 2305061-76 2305061-73 2305061-73 2305061-73 2305061-70 2305061-68 2305061-68 2305061-66 2305061-65 2305061-64 2305061-63 2305061-62 2305061-63	MATRIX Solid	SAMPDATE 5/3/2023 8:45:00 AM 5/3/2023 8:52:00 AM 5/3/2023 8:57:00 AM 5/3/2023 9:15:00 AM 5/3/2023 2:46:00 PM 5/3/2023 2:21:00 PM 5/3/2023 2:04:00 PM 5/3/2023 1:56:00 PM 5/3/2023 1:47:00 PM 5/3/2023 1:37:00 PM 5/3/2023 1:20:00 PM 5/3/2023 1:20:00 PM 5/3/2023 1:20:00 PM 5/3/2023 1:21:40 PM 5/3/2023 12:26:00 PM 5/3/2023 11:26:00 AM 5/3/2023 11:40:00 AM	METHODCODE Chloride by IC Chloride by IC	ANALYTE Chloride	RESULT ND ND ND ND ND ND ND ND ND 13.8 ND ND ND ND ND ND ND ND ND ND ND ND ND	11.1 11.2 11.0 11.3 11.4 11.4 101 12.2 11.7 11.1 11.2 11.0 12.1 12.2 11.6 12.1 11.0 12.1 11.0 11.1 11.2 11.1 12.2 11.1 12.2 11.1 12.2 11.1 12.2	Units mg/kg dn mg/kg dn mg/kg dn mg/kg dn mg/kg dn mg/kg dn mg/kg dn mg/kg dn mg/kg dn mg/kg dn

							ы	1.1
SAMPLE NAME Carracas Control 1-1	LABSAMPID			METHODCODE BTEX 8260B		RESULT ND	-	Units mg/kg
Carracas Control 1-1			5/3/2023 8:45:00 AM 5/3/2023 8:52:00 AM	BTEX 8260B				mg/kg
								mg/kg
Carracas Control 3-1			5/3/2023 8:57:00 AM	BTEX 8260B				
Carracas Control 4-1			5/3/2023 9:15:00 AM	BTEX 8260B			-	mg/kg
Carracas Plot 1-1	2305061-01		5/3/2023 2:41:00 PM	BTEX 8260B				mg/kg
Carracas Plot 2-1	2305061-03		5/3/2023 2:32:00 PM	BTEX 8260B				mg/kg
Carracas Plot 3-1	2305061-05		5/3/2023 2:21:00 PM	BTEX 8260B				mg/kg
Carracas Plot 4-1	2305061-07		5/3/2023 2:04:00 PM	BTEX 8260B				mg/kg
Carracas Plot 5-1	2305061-09		5/3/2023 1:56:00 PM	BTEX 8260B	Total BTEX			mg/kg
Carracas Plot 6-1	2305061-11	Solid	5/3/2023 2:15:00 PM	BTEX 8260B	Total BTEX		-	mg/kg
Carracas Plot 7-1	2305061-13	Solid	5/3/2023 1:47:00 PM	BTEX 8260B	Total BTEX	ND	0.150	mg/kg
Carracas Plot 8-1	2305061-15	Solid	5/3/2023 1:37:00 PM	BTEX 8260B	Total BTEX			mg/kg
Carracas Plot 9-1	2305061-17	Solid	5/3/2023 1:32:00 PM	BTEX 8260B	Total BTEX	ND	0.150	mg/kg
Carracas Plot 10-1	2305061-19	Solid	5/3/2023 1:20:00 PM	BTEX 8260B	Total BTEX	ND	0.150	mg/kg
Carracas Plot 11-1	2305061-21	Solid	5/3/2023 1:07:00 PM	BTEX 8260B	Total BTEX	ND	0.150	mg/kg
Carracas Plot 12-1	2305061-23	Solid	5/3/2023 12:58:00 PM	BTEX 8260B	Total BTEX	ND	0.150	mg/kg
Carracas Plot 13-1	2305061-25	Solid	5/3/2023 12:44:00 PM	BTEX 8260B	Total BTEX	ND	0.150	mg/kg
Carracas Plot 14-1	2305061-27	Solid	5/3/2023 12:26:00 PM	BTEX 8260B	Total BTEX	ND	0.150	mg/kg
Carracas Plot 15-1	2305061-29	Solid	5/3/2023 12:14:00 PM	BTEX 8260B	Total BTEX			mg/kg
Carracas Plot 16-1	2305061-31	Solid	5/3/2023 11:56:00 AM	BTEX 8260B	Total BTEX 2			mg/kg
Carracas Plot 17-1	2305061-33	Solid	5/3/2023 11:40:00 AM					mg/kg
Carracas Plot 18-1	2305061-35	Solid	5/3/2023 11:26:00 AM					mg/kg
Carracas Plot 19-1	2305061-37		5/3/2023 10:43:00 AM					mg/kg
Carracas Plot 20-1	2305061-39		5/3/2023 10:16:00 AM					mg/kg
Carracas Plot 21-1	2305061-41		5/3/2023 9:53:00 AM	BTEX 8260B				mg/kg
Carracas Plot 22-1	2305061-43		5/3/2023 9:30:00 AM	BTEX 8260B				mg/kg
			-, -, -,					
SAMPLE NAME	LABSAMPID	MATRIX	SAMPDATE	METHODCODE	ANALYTE	RESULT	RL	Units
Carracas Control 1-1			5/3/2023 8:45:00 AM	BTEX 8260B				mg/kg
Carracas Control 2-1			5/3/2023 8:52:00 AM	BTEX 8260B				mg/kg
Carracas Control 3-1			5/3/2023 8:57:00 AM	BTEX 8260B				mg/kg
Carracas Control 4-1			5/3/2023 9:15:00 AM	BTEX 8260B				mg/kg
Carracas Plot 1-1	2303001-47	Jonu	5/ 5/ 2025 5.15.00 AM					mg/kg
Carracas Plot 2-1	2205061 01	Colid	E /2 /2022 2.41.00 DNA				0.025	
	2305061-01		5/3/2023 2:41:00 PM	BTEX 8260B			0.025	
	2305061-03	Solid	5/3/2023 2:32:00 PM	BTEX 8260B	Benzene I	ND	0.025	
	2305061-03 2305061-05	Solid Solid	5/3/2023 2:32:00 PM 5/3/2023 2:21:00 PM	BTEX 8260B BTEX 8260B	Benzene I Benzene I	ND ND	0.025	mg/kg
Carracas Plot 4-1	2305061-03 2305061-05 2305061-07	Solid Solid Solid	5/3/2023 2:32:00 PM 5/3/2023 2:21:00 PM 5/3/2023 2:04:00 PM	BTEX 8260B BTEX 8260B BTEX 8260B	Benzene I Benzene I Benzene I	ND ND ND	0.025 0.025	mg/kg mg/kg
Carracas Plot 4-1 Carracas Plot 5-1	2305061-03 2305061-05 2305061-07 2305061-09	Solid Solid Solid Solid	5/3/2023 2:32:00 PM 5/3/2023 2:21:00 PM 5/3/2023 2:04:00 PM 5/3/2023 1:56:00 PM	BTEX 8260B BTEX 8260B BTEX 8260B BTEX 8260B	Benzene I Benzene I Benzene I Benzene I	ND ND ND ND	0.025 0.025 0.025	mg/kg mg/kg mg/kg
Carracas Plot 4-1 Carracas Plot 5-1 Carracas Plot 6-1	2305061-03 2305061-05 2305061-07 2305061-09 2305061-11	Solid Solid Solid Solid Solid	5/3/2023 2:32:00 PM 5/3/2023 2:21:00 PM 5/3/2023 2:04:00 PM 5/3/2023 1:56:00 PM 5/3/2023 2:15:00 PM	BTEX 8260B BTEX 8260B BTEX 8260B BTEX 8260B BTEX 8260B	Benzene Benzen	ND ND ND ND ND	0.025 0.025 0.025 0.025	mg/kg mg/kg mg/kg mg/kg
Carracas Plot 4-1 Carracas Plot 5-1 Carracas Plot 6-1 Carracas Plot 7-1	2305061-03 2305061-05 2305061-07 2305061-01 2305061-11	Solid Solid Solid Solid Solid Solid	5/3/2023 2:32:00 PM 5/3/2023 2:21:00 PM 5/3/2023 2:04:00 PM 5/3/2023 1:56:00 PM 5/3/2023 2:15:00 PM 5/3/2023 1:47:00 PM	BTEX 8260B BTEX 8260B BTEX 8260B BTEX 8260B BTEX 8260B BTEX 8260B	Benzene Benzen	ND ND ND ND ND ND	0.025 0.025 0.025 0.025 0.025	mg/kg mg/kg mg/kg mg/kg
Carracas Plot 4-1 Carracas Plot 5-1 Carracas Plot 6-1 Carracas Plot 7-1 Carracas Plot 8-1	2305061-03 2305061-05 2305061-07 2305061-10 2305061-13 2305061-15	Solid Solid Solid Solid Solid Solid Solid	5/3/2023 2:32:00 PM 5/3/2023 2:21:00 PM 5/3/2023 2:04:00 PM 5/3/2023 1:56:00 PM 5/3/2023 2:15:00 PM 5/3/2023 1:47:00 PM 5/3/2023 1:37:00 PM	BTEX 8260B	Benzene Benzen	ND ND ND ND ND ND ND	0.025 0.025 0.025 0.025 0.025 0.025	mg/kg mg/kg mg/kg mg/kg mg/kg
Carracas Plot 4-1 Carracas Plot 5-1 Carracas Plot 6-1 Carracas Plot 7-1 Carracas Plot 8-1 Carracas Plot 9-1	2305061-03 2305061-07 2305061-07 2305061-09 2305061-11 2305061-13 2305061-17	Solid Solid Solid Solid Solid Solid Solid Solid	5/3/2023 2:32:00 PM 5/3/2023 2:21:00 PM 5/3/2023 2:04:00 PM 5/3/2023 1:56:00 PM 5/3/2023 2:15:00 PM 5/3/2023 1:47:00 PM 5/3/2023 1:37:00 PM 5/3/2023 1:32:00 PM	BTEX 8260B	Benzene Benzen	ND ND ND ND ND ND ND ND	0.025 0.025 0.025 0.025 0.025 0.025 0.025	mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg
Carracas Plot 4-1 Carracas Plot 5-1 Carracas Plot 6-1 Carracas Plot 7-1 Carracas Plot 8-1 Carracas Plot 9-1 Carracas Plot 10-1	2305061-03 2305061-07 2305061-07 2305061-10 2305061-13 2305061-13 2305061-17 2305061-19	Solid Solid Solid Solid Solid Solid Solid Solid Solid	5/3/2023 2:32:00 PM 5/3/2023 2:21:00 PM 5/3/2023 2:04:00 PM 5/3/2023 1:56:00 PM 5/3/2023 2:15:00 PM 5/3/2023 1:47:00 PM 5/3/2023 1:37:00 PM 5/3/2023 1:32:00 PM 5/3/2023 1:20:00 PM	BTEX 8260B	Benzene Benzen	ND ND ND ND ND ND ND ND ND ND	0.025 0.025 0.025 0.025 0.025 0.025 0.025 0.025	mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg
Carracas Plot 4-1 Carracas Plot 5-1 Carracas Plot 6-1 Carracas Plot 7-1 Carracas Plot 8-1 Carracas Plot 9-1 Carracas Plot 10-1 Carracas Plot 11-1	2305061-03 2305061-07 2305061-07 2305061-10 2305061-13 2305061-13 2305061-17 2305061-19 2305061-21	Solid Solid Solid Solid Solid Solid Solid Solid Solid Solid	5/3/2023 2:32:00 PM 5/3/2023 2:21:00 PM 5/3/2023 2:04:00 PM 5/3/2023 1:56:00 PM 5/3/2023 2:15:00 PM 5/3/2023 1:47:00 PM 5/3/2023 1:37:00 PM 5/3/2023 1:32:00 PM 5/3/2023 1:20:00 PM 5/3/2023 1:07:00 PM	BTEX 8260B	Benzene Benzen	ND ND ND ND ND ND ND ND ND ND ND	0.025 0.025 0.025 0.025 0.025 0.025 0.025 0.025 0.025	mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg
Carracas Plot 4-1 Carracas Plot 5-1 Carracas Plot 6-1 Carracas Plot 7-1 Carracas Plot 8-1 Carracas Plot 9-1 Carracas Plot 10-1 Carracas Plot 11-1 Carracas Plot 12-1	2305061-03 2305061-07 2305061-07 2305061-10 2305061-13 2305061-13 2305061-17 2305061-19 2305061-23	Solid Solid Solid Solid Solid Solid Solid Solid Solid Solid Solid	5/3/2023 2:32:00 PM 5/3/2023 2:21:00 PM 5/3/2023 2:04:00 PM 5/3/2023 1:56:00 PM 5/3/2023 2:15:00 PM 5/3/2023 1:47:00 PM 5/3/2023 1:37:00 PM 5/3/2023 1:32:00 PM 5/3/2023 1:20:00 PM 5/3/2023 1:258:00 PM	BTEX 8260B	Benzene Benzen	ND ND ND ND ND ND ND ND ND ND ND	0.025 0.025 0.025 0.025 0.025 0.025 0.025 0.025 0.025 0.025	mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg
Carracas Plot 4-1 Carracas Plot 5-1 Carracas Plot 6-1 Carracas Plot 7-1 Carracas Plot 8-1 Carracas Plot 9-1 Carracas Plot 10-1 Carracas Plot 11-1 Carracas Plot 12-1	2305061-03 2305061-07 2305061-09 2305061-11 2305061-13 2305061-15 2305061-17 2305061-21 2305061-23 2305061-25	Solid Solid Solid Solid Solid Solid Solid Solid Solid Solid Solid Solid	5/3/2023 2:32:00 PM 5/3/2023 2:21:00 PM 5/3/2023 2:04:00 PM 5/3/2023 1:56:00 PM 5/3/2023 2:15:00 PM 5/3/2023 1:47:00 PM 5/3/2023 1:37:00 PM 5/3/2023 1:32:00 PM 5/3/2023 1:20:00 PM 5/3/2023 1:258:00 PM	BTEX 8260B	Benzene Benzen	ND ND ND ND ND ND ND ND ND ND ND	0.025 0.025 0.025 0.025 0.025 0.025 0.025 0.025 0.025 0.025 0.025	mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg
Carracas Plot 4-1 Carracas Plot 5-1 Carracas Plot 6-1 Carracas Plot 7-1 Carracas Plot 8-1 Carracas Plot 9-1 Carracas Plot 10-1 Carracas Plot 11-1 Carracas Plot 12-1 Carracas Plot 13-1	2305061-03 2305061-07 2305061-09 2305061-11 2305061-13 2305061-13 2305061-17 2305061-21 2305061-23 2305061-25 2305061-27	Solid Solid Solid Solid Solid Solid Solid Solid Solid Solid Solid Solid Solid	5/3/2023 2:32:00 PM 5/3/2023 2:21:00 PM 5/3/2023 2:04:00 PM 5/3/2023 1:56:00 PM 5/3/2023 2:15:00 PM 5/3/2023 1:47:00 PM 5/3/2023 1:37:00 PM 5/3/2023 1:32:00 PM 5/3/2023 1:20:00 PM 5/3/2023 1:258:00 PM	BTEX 8260B	Benzene Benzen	ND ND ND ND ND ND ND ND ND ND ND ND	0.025 0.025 0.025 0.025 0.025 0.025 0.025 0.025 0.025 0.025 0.025	mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg
Carracas Plot 4-1 Carracas Plot 5-1 Carracas Plot 6-1 Carracas Plot 7-1 Carracas Plot 8-1 Carracas Plot 9-1 Carracas Plot 10-1 Carracas Plot 11-1 Carracas Plot 12-1 Carracas Plot 13-1 Carracas Plot 14-1	2305061-03 2305061-07 2305061-09 2305061-11 2305061-13 2305061-15 2305061-17 2305061-21 2305061-23 2305061-25	Solid Solid Solid Solid Solid Solid Solid Solid Solid Solid Solid Solid Solid	5/3/2023 2:32:00 PM 5/3/2023 2:21:00 PM 5/3/2023 2:04:00 PM 5/3/2023 1:56:00 PM 5/3/2023 1:56:00 PM 5/3/2023 1:37:00 PM 5/3/2023 1:37:00 PM 5/3/2023 1:20:00 PM 5/3/2023 1:27:00 PM 5/3/2023 12:58:00 PM 5/3/2023 12:24:00 PM	BTEX 8260B	Benzene Benzen	ND ND ND ND ND ND ND ND ND ND ND ND	0.025 0.025 0.025 0.025 0.025 0.025 0.025 0.025 0.025 0.025 0.025 0.025	mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg
Carracas Plot 4-1 Carracas Plot 5-1 Carracas Plot 5-1 Carracas Plot 6-1 Carracas Plot 7-1 Carracas Plot 8-1 Carracas Plot 9-1 Carracas Plot 10-1 Carracas Plot 11-1 Carracas Plot 12-1 Carracas Plot 13-1 Carracas Plot 14-1 Carracas Plot 15-1	2305061-03 2305061-07 2305061-09 2305061-11 2305061-13 2305061-13 2305061-17 2305061-21 2305061-23 2305061-25 2305061-27	Solid Solid Solid Solid Solid Solid Solid Solid Solid Solid Solid Solid Solid Solid	5/3/2023 2:32:00 PM 5/3/2023 2:21:00 PM 5/3/2023 2:04:00 PM 5/3/2023 1:56:00 PM 5/3/2023 2:15:00 PM 5/3/2023 1:47:00 PM 5/3/2023 1:37:00 PM 5/3/2023 1:20:00 PM 5/3/2023 1:258:00 PM 5/3/2023 12:44:00 PM 5/3/2023 12:26:00 PM	BTEX 8260B	Benzene Benzen	ND ND ND ND ND ND ND ND ND ND ND ND	0.025 0.025 0.025 0.025 0.025 0.025 0.025 0.025 0.025 0.025 0.025 0.025 0.025	mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg
Carracas Plot 4-1 Carracas Plot 5-1 Carracas Plot 5-1 Carracas Plot 6-1 Carracas Plot 7-1 Carracas Plot 8-1 Carracas Plot 9-1 Carracas Plot 10-1 Carracas Plot 11-1 Carracas Plot 12-1 Carracas Plot 13-1 Carracas Plot 14-1 Carracas Plot 15-1 Carracas Plot 16-1	2305061-03 2305061-07 2305061-07 2305061-13 2305061-13 2305061-17 2305061-21 2305061-23 2305061-23 2305061-27 2305061-27 2305061-27	Solid Solid Solid Solid Solid Solid Solid Solid Solid Solid Solid Solid Solid Solid Solid	5/3/2023 2:32:00 PM 5/3/2023 2:21:00 PM 5/3/2023 2:04:00 PM 5/3/2023 1:56:00 PM 5/3/2023 1:56:00 PM 5/3/2023 1:37:00 PM 5/3/2023 1:37:00 PM 5/3/2023 1:20:00 PM 5/3/2023 1:258:00 PM 5/3/2023 12:44:00 PM 5/3/2023 12:26:00 PM	BTEX 8260B	Benzene Benzen	ND ND ND ND ND ND ND ND ND ND ND ND ND N	0.025 0.025 0.025 0.025 0.025 0.025 0.025 0.025 0.025 0.025 0.025 0.025 0.025 0.025	mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg
Carracas Plot 4-1 Carracas Plot 5-1 Carracas Plot 5-1 Carracas Plot 6-1 Carracas Plot 7-1 Carracas Plot 8-1 Carracas Plot 9-1 Carracas Plot 10-1 Carracas Plot 11-1 Carracas Plot 12-1 Carracas Plot 13-1 Carracas Plot 14-1 Carracas Plot 15-1 Carracas Plot 16-1 Carracas Plot 17-1	2305061-03 2305061-07 2305061-07 2305061-13 2305061-13 2305061-17 2305061-21 2305061-23 2305061-23 2305061-27 2305061-27 2305061-29 2305061-29	Solid Solid Solid Solid Solid Solid Solid Solid Solid Solid Solid Solid Solid Solid Solid Solid Solid	5/3/2023 2:32:00 PM 5/3/2023 2:21:00 PM 5/3/2023 2:04:00 PM 5/3/2023 1:56:00 PM 5/3/2023 1:56:00 PM 5/3/2023 1:37:00 PM 5/3/2023 1:37:00 PM 5/3/2023 1:20:00 PM 5/3/2023 1:258:00 PM 5/3/2023 12:44:00 PM 5/3/2023 12:26:00 PM 5/3/2023 12:14:00 PM 5/3/2023 12:14:00 PM	BTEX 8260B	Benzene Benzen	ND ND ND ND ND ND ND ND ND ND ND ND ND N	0.025 0.025 0.025 0.025 0.025 0.025 0.025 0.025 0.025 0.025 0.025 0.025 0.025 0.025 0.025	mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg
Carracas Plot 4-1 Carracas Plot 5-1 Carracas Plot 5-1 Carracas Plot 6-1 Carracas Plot 7-1 Carracas Plot 8-1 Carracas Plot 9-1 Carracas Plot 10-1 Carracas Plot 11-1 Carracas Plot 13-1 Carracas Plot 13-1 Carracas Plot 15-1 Carracas Plot 16-1 Carracas Plot 17-1 Carracas Plot 18-1	2305061-03 2305061-07 2305061-07 2305061-13 2305061-13 2305061-17 2305061-21 2305061-23 2305061-25 2305061-27 2305061-27 2305061-23 2305061-31 2305061-31	Solid Solid Solid Solid Solid Solid Solid Solid Solid Solid Solid Solid Solid Solid Solid Solid Solid	5/3/2023 2:32:00 PM 5/3/2023 2:04:00 PM 5/3/2023 2:04:00 PM 5/3/2023 1:56:00 PM 5/3/2023 1:500 PM 5/3/2023 1:47:00 PM 5/3/2023 1:37:00 PM 5/3/2023 1:20:00 PM 5/3/2023 1:20:00 PM 5/3/2023 12:58:00 PM 5/3/2023 12:26:00 PM 5/3/2023 12:26:00 PM 5/3/2023 12:14:00 PM 5/3/2023 11:56:00 AM	BTEX 8260B BTEX 8260B	Benzene Benzen	ND ND ND ND ND ND ND ND ND ND ND ND ND N	0.025 0.025 0.025 0.025 0.025 0.025 0.025 0.025 0.025 0.025 0.025 0.025 0.025 0.025 0.025 0.025 0.025	mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg
Carracas Plot 4-1 Carracas Plot 5-1 Carracas Plot 5-1 Carracas Plot 6-1 Carracas Plot 7-1 Carracas Plot 8-1 Carracas Plot 9-1 Carracas Plot 10-1 Carracas Plot 11-1 Carracas Plot 12-1 Carracas Plot 13-1 Carracas Plot 15-1 Carracas Plot 16-1 Carracas Plot 17-1 Carracas Plot 18-1 Carracas Plot 19-1	2305061-03 2305061-07 2305061-07 2305061-13 2305061-13 2305061-17 2305061-27 2305061-23 2305061-27 2305061-27 2305061-27 2305061-31 2305061-33 2305061-33	Solid Solid Solid Solid Solid Solid Solid Solid Solid Solid Solid Solid Solid Solid Solid Solid Solid Solid Solid	5/3/2023 2:32:00 PM 5/3/2023 2:04:00 PM 5/3/2023 2:04:00 PM 5/3/2023 1:56:00 PM 5/3/2023 1:56:00 PM 5/3/2023 1:37:00 PM 5/3/2023 1:37:00 PM 5/3/2023 1:20:00 PM 5/3/2023 1:20:00 PM 5/3/2023 1:26:00 PM 5/3/2023 12:14:00 PM 5/3/2023 12:14:00 PM 5/3/2023 11:56:00 AM 5/3/2023 11:26:00 AM	BTEX 8260B	Benzene Benzen	ND ND ND ND ND ND ND ND ND ND ND ND ND N	0.025 0.025 0.025 0.025 0.025 0.025 0.025 0.025 0.025 0.025 0.025 0.025 0.025 0.025 0.025 0.025	mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg
Carracas Plot 3-1 Carracas Plot 3-1 Carracas Plot 4-1 Carracas Plot 5-1 Carracas Plot 6-1 Carracas Plot 7-1 Carracas Plot 8-1 Carracas Plot 9-1 Carracas Plot 10-1 Carracas Plot 10-1 Carracas Plot 12-1 Carracas Plot 13-1 Carracas Plot 13-1 Carracas Plot 15-1 Carracas Plot 15-1 Carracas Plot 15-1 Carracas Plot 16-1 Carracas Plot 17-1 Carracas Plot 19-1 Carracas Plot 20-1 Carracas Plot 21-1	2305061-03 2305061-05 2305061-07 2305061-13 2305061-13 2305061-17 2305061-27 2305061-27 2305061-27 2305061-27 2305061-27 2305061-31 2305061-31 2305061-35 2305061-35	Solid Solid	5/3/2023 2:32:00 PM 5/3/2023 2:04:00 PM 5/3/2023 2:04:00 PM 5/3/2023 1:56:00 PM 5/3/2023 1:56:00 PM 5/3/2023 1:37:00 PM 5/3/2023 1:37:00 PM 5/3/2023 1:20:00 PM 5/3/2023 1:20:00 PM 5/3/2023 1:26:00 PM 5/3/2023 12:14:00 PM 5/3/2023 12:14:00 PM 5/3/2023 11:56:00 AM 5/3/2023 11:26:00 AM 5/3/2023 11:26:00 AM	BTEX 8260B	Benzene Benzen	ND ND ND ND ND ND ND ND ND ND ND ND ND N	0.025 0.025 0.025 0.025 0.025 0.025 0.025 0.025 0.025 0.025 0.025 0.025 0.025 0.025 0.025 0.025 0.025 0.025	mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg

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SAMPLE NAME	LABSAMPID	MATRIX	SAMPDATE	METHODCODE	ANALYTE	RESULT	RL	Units
Carracas Control 1-1	2305061-49	Solid	5/3/2023 8:45:00 AM	BTEX 8260B	Ethylbenzene	ND	0.025	mg/kg
Carracas Control 2-1	2305061-51	Solid	5/3/2023 8:52:00 AM	BTEX 8260B	Ethylbenzene	ND	0.025	mg/kg
Carracas Control 3-1	2305061-45	Solid	5/3/2023 8:57:00 AM	BTEX 8260B	Ethylbenzene	ND	0.025	mg/kg
Carracas Control 4-1	2305061-47	Solid	5/3/2023 9:15:00 AM	BTEX 8260B	Ethylbenzene	ND	0.025	mg/kg
Carracas Plot 1-1	2305061-01	Solid	5/3/2023 2:41:00 PM	BTEX 8260B	Ethylbenzene	ND	0.025	mg/kg
Carracas Plot 2-1	2305061-03	Solid	5/3/2023 2:32:00 PM	BTEX 8260B	Ethylbenzene	ND	0.025	mg/kg
Carracas Plot 3-1	2305061-05	Solid	5/3/2023 2:21:00 PM	BTEX 8260B	Ethylbenzene	ND	0.025	mg/kg
Carracas Plot 4-1	2305061-07	Solid	5/3/2023 2:04:00 PM	BTEX 8260B	Ethylbenzene	ND	0.025	mg/kg
Carracas Plot 5-1	2305061-09	Solid	5/3/2023 1:56:00 PM	BTEX 8260B	Ethylbenzene	ND	0.025	mg/kg
Carracas Plot 6-1	2305061-11	Solid	5/3/2023 2:15:00 PM	BTEX 8260B	Ethylbenzene	ND	0.025	mg/kg
Carracas Plot 7-1	2305061-13	Solid	5/3/2023 1:47:00 PM	BTEX 8260B	Ethylbenzene	ND	0.025	mg/kg
Carracas Plot 8-1	2305061-15	Solid	5/3/2023 1:37:00 PM	BTEX 8260B	Ethylbenzene	ND	0.025	mg/kg
Carracas Plot 9-1	2305061-17	Solid	5/3/2023 1:32:00 PM	BTEX 8260B	Ethylbenzene	ND	0.025	mg/kg
Carracas Plot 10-1	2305061-19	Solid	5/3/2023 1:20:00 PM	BTEX 8260B	Ethylbenzene	ND	0.025	mg/kg
Carracas Plot 11-1	2305061-21	Solid	5/3/2023 1:07:00 PM	BTEX 8260B	Ethylbenzene	ND	0.025	mg/kg
Carracas Plot 12-1	2305061-23	Solid	5/3/2023 12:58:00 PM	BTEX 8260B	Ethylbenzene	ND	0.025	mg/kg
Carracas Plot 13-1	2305061-25	Solid	5/3/2023 12:44:00 PM	BTEX 8260B	Ethylbenzene	ND	0.025	mg/kg
Carracas Plot 14-1	2305061-27	Solid	5/3/2023 12:26:00 PM	BTEX 8260B	Ethylbenzene	ND	0.025	mg/kg
Carracas Plot 15-1	2305061-29	Solid	5/3/2023 12:14:00 PM	BTEX 8260B	Ethylbenzene	ND	0.025	mg/kg
Carracas Plot 16-1	2305061-31	Solid	5/3/2023 11:56:00 AM	BTEX 8260B	Ethylbenzene	0.097	0.025	mg/kg
Carracas Plot 17-1	2305061-33	Solid	5/3/2023 11:40:00 AM	BTEX 8260B	Ethylbenzene	ND	0.025	mg/kg
Carracas Plot 18-1	2305061-35	Solid	5/3/2023 11:26:00 AM	BTEX 8260B	Ethylbenzene	ND	0.025	mg/kg
Carracas Plot 19-1	2305061-37	Solid	5/3/2023 10:43:00 AM	BTEX 8260B	Ethylbenzene	ND		mg/kg
Carracas Plot 20-1	2305061-39	Solid	5/3/2023 10:16:00 AM	BTEX 8260B	Ethylbenzene	ND		mg/kg
Carracas Plot 21-1	2305061-41	Solid	5/3/2023 9:53:00 AM	BTEX 8260B	Ethylbenzene	ND	0.025	mg/kg
Carracas Plot 22-1	2305061-43	Solid	5/3/2023 9:30:00 AM	BTEX 8260B	Ethylbenzene	ND	100 C	mg/kg

SAMPLE NAME	LABSAMPID	MATRIX	SAMPDATE	METHODCODE	ANALYTE	RESULT	RL	Units
Carracas Control 1-2	2305061-50	Solid	5/3/2023 8:45:00 AM	TPH 8015M	DRO >C10-C28	ND	10.0	mg/kg
Carracas Control 2-2	2305061-52	Solid	5/3/2023 8:52:00 AM	TPH 8015M	DRO >C10-C28	ND	10.0	mg/kg
Carracas Control 3-2	2305061-46	Solid	5/3/2023 8:57:00 AM	TPH 8015M	DRO >C10-C28	ND	10.0	mg/kg
Carracas Control 4-2	2305061-48	Solid	5/3/2023 9:15:00 AM	TPH 8015M	DRO >C10-C28	ND	10.0	mg/kg
Carracas Plot 1-2	2305061-02	Solid	5/3/2023 2:41:00 PM	TPH 8015M	DRO >C10-C28	ND	10.0	mg/kg
Carracas Plot 2-2	2305061-04	Solid	5/3/2023 2:32:00 PM	TPH 8015M	DRO >C10-C28	ND	10.0	mg/kg
Carracas Plot 3-2	2305061-06	Solid	5/3/2023 2:21:00 PM	TPH 8015M	DRO >C10-C28	ND	10.0	mg/kg
Carracas Plot 4-2	2305061-08	Solid	5/3/2023 2:04:00 PM	TPH 8015M	DRO >C10-C28	ND	10.0	mg/kg
Carracas Plot 5-2	2305061-10	Solid	5/3/2023 1:56:00 PM	TPH 8015M	DRO >C10-C28	ND	10.0	mg/kg
Carracas Plot 6-2	2305061-12	Solid	5/3/2023 2:15:00 PM	TPH 8015M	DRO >C10-C28	ND	10.0	mg/kg
Carracas Plot 7-2	2305061-14	Solid	5/3/2023 1:47:00 PM	TPH 8015M	DRO >C10-C28	ND	10.0	mg/kg
Carracas Plot 8-2	2305061-16	Solid	5/3/2023 1:37:00 PM	TPH 8015M	DRO >C10-C28	ND	10.0	mg/kg
Carracas Plot 9-2	2305061-18	Solid	5/3/2023 1:32:00 PM	TPH 8015M	DRO >C10-C28	ND	10.0	mg/kg
Carracas Plot 10-2	2305061-20	Solid	5/3/2023 1:20:00 PM	TPH 8015M	DRO >C10-C28	ND	10.0	mg/kg
Carracas Plot 11-2	2305061-22	Solid	5/3/2023 1:07:00 PM	TPH 8015M	DRO >C10-C28	ND	10.0	mg/kg
Carracas Plot 12-2	2305061-24	Solid	5/3/2023 12:58:00 PM	TPH 8015M	DRO >C10-C28	ND	10.0	mg/kg
Carracas Plot 13-2	2305061-26	Solid	5/3/2023 12:44:00 PM	TPH 8015M	DRO >C10-C28	ND	10.0	mg/kg
Carracas Plot 14-2	2305061-28	Solid	5/3/2023 12:26:00 PM	TPH 8015M	DRO >C10-C28	ND	10.0	mg/kg
Carracas Plot 15-2	2305061-30	Solid	5/3/2023 12:14:00 PM	TPH 8015M	DRO >C10-C28	ND	10.0	mg/kg
Carracas Plot 16-2	2305061-32	Solid	5/3/2023 11:56:00 AM	TPH 8015M	DRO >C10-C28	19.3	10.0	mg/kg
Carracas Plot 17-2	2305061-34	Solid	5/3/2023 11:40:00 AM	TPH 8015M	DRO >C10-C28	ND	10.0	mg/kg
Carracas Plot 18-2	2305061-36	Solid	5/3/2023 11:26:00 AM	TPH 8015M	DRO >C10-C28	ND	10.0	mg/kg
Carracas Plot 19-2	2305061-38	Solid	5/3/2023 10:43:00 AM	TPH 8015M	DRO >C10-C28	ND	10.0	mg/kg
Carracas Plot 20-2	2305061-40	Solid	5/3/2023 10:16:00 AM	TPH 8015M	DRO >C10-C28	39.2	10.0	mg/kg
Carracas Plot 21-2	2305061-42	Solid	5/3/2023 9:53:00 AM	TPH 8015M	DRO >C10-C28	11.4	10.0	mg/kg
Carracas Plot 22-2	2305061-44	Solid	5/3/2023 9:30:00 AM	TPH 8015M	DRO >C10-C28	ND	10.0	mg/kg

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LABSAMPID			METHODCODE		RESULT		Units
							mg/kg
							mg/kg
			TPH 8015M		ND	107	mg/kg
			TPH 8015M	GRO C6-C10	ND		mg/kg
2305061-02	Solid	5/3/2023 2:41:00 PM	TPH 8015M	GRO C6-C10	ND		mg/kg
2305061-04	Solid	5/3/2023 2:32:00 PM	TPH 8015M	GRO C6-C10	ND		mg/kg
2305061-06	Solid	5/3/2023 2:21:00 PM	TPH 8015M	GRO C6-C10	ND		mg/kg
2305061-08	Solid	5/3/2023 2:04:00 PM	TPH 8015M	GRO C6-C10	ND	10.0	mg/kg
2305061-10	Solid	5/3/2023 1:56:00 PM	TPH 8015M	GRO C6-C10	ND		mg/kg
2305061-12	Solid	5/3/2023 2:15:00 PM	TPH 8015M	GRO C6-C10	ND	10.0	mg/kg
2305061-14	Solid	5/3/2023 1:47:00 PM	TPH 8015M	GRO C6-C10	ND	10.0	mg/kg
2305061-16	Solid	5/3/2023 1:37:00 PM	TPH 8015M	GRO C6-C10	ND	10.0	mg/kg
2305061-18	Solid	5/3/2023 1:32:00 PM	TPH 8015M	GRO C6-C10	ND	10.0	mg/kg
2305061-20	Solid	5/3/2023 1:20:00 PM	TPH 8015M	GRO C6-C10	ND	10.0	mg/kg
2305061-22	Solid	5/3/2023 1:07:00 PM	TPH 8015M	GRO C6-C10	ND	10.0	mg/kg
2305061-24	Solid	5/3/2023 12:58:00 PM	TPH 8015M	GRO C6-C10	ND	10.0	mg/kg
2305061-26	Solid	5/3/2023 12:44:00 PM	TPH 8015M	GRO C6-C10	ND	10.0	mg/kg
2305061-28	Solid		TPH 8015M	GRO C6-C10	ND	10.0	mg/kg
				GRO C6-C10	ND	10.0	mg/kg
				GRO C6-C10			mg/kg
2305061-34	Solid			GRO C6-C10	ND	-	mg/kg
						-	mg/kg
							mg/kg
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LABSAMPID			METHODCODE			F	Units
2305061-50	Solid	5/3/2023 8:45:00 AM	TPH 8015M	EXT DRO >C28-C36	ND	10.0	mg/kg
2305061-50 2305061-52	Solid Solid	5/3/2023 8:45:00 AM 5/3/2023 8:52:00 AM	TPH 8015M TPH 8015M	EXT DRO >C28-C36 EXT DRO >C28-C36	ND ND	10.0 10.0	mg/kg mg/kg
2305061-50 2305061-52 2305061-46	Solid Solid Solid	5/3/2023 8:45:00 AM 5/3/2023 8:52:00 AM 5/3/2023 8:57:00 AM	TPH 8015M TPH 8015M TPH 8015M	EXT DRO >C28-C36 EXT DRO >C28-C36 EXT DRO >C28-C36	ND ND ND	10.0 10.0 10.0	mg/kg mg/kg mg/kg
2305061-50 2305061-52 2305061-46 2305061-48	Solid Solid Solid Solid	5/3/2023 8:45:00 AM 5/3/2023 8:52:00 AM 5/3/2023 8:57:00 AM 5/3/2023 9:15:00 AM	TPH 8015M TPH 8015M TPH 8015M TPH 8015M	EXT DRO >C28-C36 EXT DRO >C28-C36 EXT DRO >C28-C36 EXT DRO >C28-C36	ND ND ND ND	10.0 10.0 10.0 10.0	mg/kg mg/kg mg/kg mg/kg
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	2305061-50 2305061-48 2305061-02 2305061-04 2305061-04 2305061-06 2305061-08 2305061-10 2305061-12 2305061-14 2305061-14 2305061-20 2305061-22 2305061-24 2305061-34 2305061-34 2305061-34 2305061-38 2305061-34 2305061-34	2305061-50 Solid 2305061-52 Solid 2305061-46 Solid 2305061-47 Solid 2305061-02 Solid 2305061-04 Solid 2305061-04 Solid 2305061-04 Solid 2305061-06 Solid 2305061-07 Solid 2305061-10 Solid 2305061-12 Solid 2305061-14 Solid 2305061-16 Solid 2305061-17 Solid 2305061-18 Solid 2305061-20 Solid 2305061-21 Solid 2305061-22 Solid 2305061-23 Solid 2305061-24 Solid 2305061-25 Solid 2305061-30 Solid 2305061-32 Solid 2305061-34 Solid 2305061-34 Solid 2305061-34 Solid 2305061-34 Solid 2305061-34 Solid	2305061-50 Solid 5/3/2023 8:45:00 AM 2305061-52 Solid 5/3/2023 8:57:00 AM 2305061-46 Solid 5/3/2023 8:57:00 AM 2305061-48 Solid 5/3/2023 8:57:00 AM 2305061-48 Solid 5/3/2023 9:15:00 AM 2305061-02 Solid 5/3/2023 2:41:00 PM 2305061-04 Solid 5/3/2023 2:32:00 PM 2305061-04 Solid 5/3/2023 2:21:00 PM 2305061-06 Solid 5/3/2023 2:04:00 PM 2305061-08 Solid 5/3/2023 1:56:00 PM 2305061-10 Solid 5/3/2023 1:37:00 PM 2305061-12 Solid 5/3/2023 1:37:00 PM 2305061-13 Solid 5/3/2023 1:37:00 PM 2305061-14 Solid 5/3/2023 1:20:0 PM 2305061-20 Solid 5/3/2023 1:20:0 PM 2305061-21 Solid 5/3/2023 1:20:0 PM 2305061-22 Solid 5/3/2023 1:20:00 PM 2305061-24 Solid 5/3/2023 1:26:00 PM 2305061-32 Solid 5/3/2023 11:40:00 AM	2305061-50 Solid 5/3/2023 8:45:00 AM TPH 8015M 2305061-52 Solid 5/3/2023 8:52:00 AM TPH 8015M 2305061-46 Solid 5/3/2023 8:57:00 AM TPH 8015M 2305061-48 Solid 5/3/2023 9:15:00 AM TPH 8015M 2305061-48 Solid 5/3/2023 2:41:00 PM TPH 8015M 2305061-02 Solid 5/3/2023 2:20 PM TPH 8015M 2305061-04 Solid 5/3/2023 2:21:00 PM TPH 8015M 2305061-05 Solid 5/3/2023 1:21:00 PM TPH 8015M 2305061-06 Solid 5/3/2023 1:56:00 PM TPH 8015M 2305061-10 Solid 5/3/2023 1:37:00 PM TPH 8015M 2305061-12 Solid 5/3/2023 1:37:00 PM TPH 8015M 2305061-13 Solid 5/3/2023 1:37:00 PM TPH 8015M 2305061-14 Solid 5/3/2023 1:20:00 PM TPH 8015M 2305061-26 Solid 5/3/2023 1:20:00 PM TPH 8015M 2305061-26 Solid 5/3/2023 1:26:00 PM TPH 8015M 2305061-27	2305061-50Solid5/3/2023 8:45:00 AMTPH 8015MGRO C6-C102305061-52Solid5/3/2023 8:57:00 AMTPH 8015MGRO C6-C102305061-46Solid5/3/2023 9:15:00 AMTPH 8015MGRO C6-C102305061-02Solid5/3/2023 2:41:00 PMTPH 8015MGRO C6-C102305061-04Solid5/3/2023 2:21:00 PMTPH 8015MGRO C6-C102305061-05Solid5/3/2023 2:21:00 PMTPH 8015MGRO C6-C102305061-06Solid5/3/2023 2:21:00 PMTPH 8015MGRO C6-C102305061-08Solid5/3/2023 1:56:00 PMTPH 8015MGRO C6-C102305061-10Solid5/3/2023 1:56:00 PMTPH 8015MGRO C6-C102305061-12Solid5/3/2023 1:57:00 PMTPH 8015MGRO C6-C102305061-12Solid5/3/2023 1:37:00 PMTPH 8015MGRO C6-C102305061-14Solid5/3/2023 1:37:00 PMTPH 8015MGRO C6-C102305061-15Solid5/3/2023 1:20:00 PMTPH 8015MGRO C6-C102305061-20Solid5/3/2023 1:20:00 PMTPH 8015MGRO C6-C102305061-22Solid5/3/2023 1:26:00 PMTPH 8015MGRO C6-C102305061-24Solid5/3/2023 1:26:00 PMTPH 8015MGRO C6-C102305061-28Solid5/3/2023 1:26:00 PMTPH 8015MGRO C6-C102305061-28Solid5/3/2023 1:26:00 PMTPH 8015MGRO C6-C102305061-28Solid5/3/2023 1:16:00 AMTPH 8015MGRO C6-C10<	2305061-50 Solid 5/3/2023 8:45:00 AM TPH 8015M GRO C6-C10 ND 2305061-52 Solid 5/3/2023 8:52:00 AM TPH 8015M GRO C6-C10 ND 2305061-46 Solid 5/3/2023 8:57:00 AM TPH 8015M GRO C6-C10 ND 2305061-48 Solid 5/3/2023 2:41:00 PM TPH 8015M GRO C6-C10 ND 2305061-02 Solid 5/3/2023 2:21:00 PM TPH 8015M GRO C6-C10 ND 2305061-05 Solid 5/3/2023 2:21:00 PM TPH 8015M GRO C6-C10 ND 2305061-06 Solid 5/3/2023 2:02:00 PM TPH 8015M GRO C6-C10 ND 2305061-08 Solid 5/3/2023 2:21:00 PM TPH 8015M GRO C6-C10 ND 2305061-10 Solid 5/3/2023 1:25:00 PM TPH 8015M GRO C6-C10 ND 2305061-12 Solid 5/3/2023 1:37:00 PM TPH 8015M GRO C6-C10 ND 2305061-12 Solid 5/3/2023 1:37:00 PM TPH 8015M GRO C6-C10 ND 2305061-12	2305061-50Solid5/3/2023 8:45:00 AMTPH 8015MGRO C6-C10ND10.02305061-52Solid5/3/2023 8:52:00 AMTPH 8015MGRO C6-C10ND10.02305061-46Solid5/3/2023 8:57:00 AMTPH 8015MGRO C6-C10ND10.02305061-48Solid5/3/2023 9:15:00 AMTPH 8015MGRO C6-C10ND10.02305061-02Solid5/3/2023 2:41:00 PMTPH 8015MGRO C6-C10ND10.02305061-04Solid5/3/2023 2:20:00 PMTPH 8015MGRO C6-C10ND10.02305061-05Solid5/3/2023 2:21:00 PMTPH 8015MGRO C6-C10ND10.02305061-08Solid5/3/2023 1:56:00 PMTPH 8015MGRO C6-C10ND10.02305061-10Solid5/3/2023 1:50:00 PMTPH 8015MGRO C6-C10ND10.02305061-12Solid5/3/2023 1:37:00 PMTPH 8015MGRO C6-C10ND10.02305061-13Solid5/3/2023 1:20:00 PMTPH 8015MGRO C6-C10ND10.02305061-14Solid5/3/2023 1:20:00 PMTPH 8015MGRO C6-C10ND10.02305061-25Solid5/3/2023 1:20:00 PMTPH 8015MGRO C6-C10ND10.02305061-26Solid5/3/2023 1:26:00 PMTPH 8015MGRO C6-C10ND10.02305061-28Solid5/3/2023 1:26:00 PMTPH 8015MGRO C6-C10ND10.02305061-28Solid5/3/2023 1:26:00 PMTPH

			SAMDDATE		ΔΝΑΙΥΤΕ	DECLINT	DI	Unite
SAMPLE NAME Carracas Control 1-1	LABSAMPID 2305061-49		5/3/2023 8:45:00 AM	METHODCODE BTEX 8260B	Toluene	RESULT ND	_	Units mg/kg
Carracas Control 2-1			5/3/2023 8:52:00 AM	BTEX 8260B	Toluene	ND		mg/kg
Carracas Control 2-1			5/3/2023 8:57:00 AM	BTEX 8260B	Toluene	ND		mg/kg
Carracas Control 4-1			5/3/2023 9:15:00 AM	BTEX 8260B	Toluene	ND		mg/kg
Carracas Plot 1-1	2305061-01		5/3/2023 2:41:00 PM	BTEX 8260B	Toluene	0.039		mg/kg
Carracas Plot 2-1	2305061-03		5/3/2023 2:32:00 PM	BTEX 8260B	Toluene	ND		mg/kg
Carracas Plot 3-1	2305061-05		5/3/2023 2:21:00 PM	BTEX 8260B	Toluene	ND		mg/kg
Carracas Plot 4-1	2305061-07		5/3/2023 2:04:00 PM	BTEX 8260B	Toluene	ND		mg/kg
Carracas Plot 5-1	2305061-09		5/3/2023 1:56:00 PM	BTEX 8260B	Toluene	0.026		mg/kg
Carracas Plot 6-1	2305061-11		5/3/2023 2:15:00 PM	BTEX 8260B	Toluene	ND		mg/kg
Carracas Plot 7-1	2305061-13		5/3/2023 1:47:00 PM	BTEX 8260B	Toluene	ND		mg/kg
Carracas Plot 8-1	2305061-15		5/3/2023 1:37:00 PM	BTEX 8260B	Toluene	ND	-	mg/kg
Carracas Plot 9-1		Solid	5/3/2023 1:32:00 PM	BTEX 8260B	Toluene	0.037		mg/kg
Carracas Plot 10-1	2305061-19		5/3/2023 1:20:00 PM	BTEX 8260B	Toluene	ND		mg/kg
Carracas Plot 11-1	2305061-21	1	5/3/2023 1:07:00 PM	BTEX 8260B	Toluene	ND		mg/kg
Carracas Plot 12-1	2305061-23		5/3/2023 12:58:00 PM		Toluene	ND		mg/kg
Carracas Plot 13-1		Solid	5/3/2023 12:44:00 PM		Toluene	ND		mg/kg
Carracas Plot 14-1		Solid	5/3/2023 12:26:00 PM		Toluene	0.035		mg/kg
Carracas Plot 15-1	2305061-29		5/3/2023 12:14:00 PM		Toluene	ND		mg/kg
Carracas Plot 16-1	2305061-31		5/3/2023 11:56:00 AM		Toluene	0.787		mg/kg
Carracas Plot 17-1	2305061-33		5/3/2023 11:40:00 AM		Toluene	ND		mg/kg
Carracas Plot 18-1	2305061-35		5/3/2023 11:26:00 AM		Toluene	0.065		mg/kg
Carracas Plot 19-1		Solid	5/3/2023 10:43:00 AM		Toluene	ND		mg/kg
Carracas Plot 20-1	2305061-39		5/3/2023 10:16:00 AM		Toluene	ND		mg/kg
Carracas Plot 21-1	2305061-41		5/3/2023 9:53:00 AM	BTEX 8260B	Toluene	0.061		mg/kg
Carracas Plot 22-1	2305061-43		5/3/2023 9:30:00 AM	BTEX 8260B	Toluene	0.028		mg/kg
								0, 0
SAMPLE NAME								
	TABSAMPID	MATRIX	SAMPDATE	METHODCODE	ANALYTE	RESULT	RI	Units
			SAMPDATE 5/3/2023 8:45:00 AM	METHODCODE BTEX 8260B		RESULT ND		Units mg/kg
Carracas Control 1-1	2305061-49	Solid	5/3/2023 8:45:00 AM	BTEX 8260B	Total Xylenes	ND	0.075	mg/kg
Carracas Control 1-1 Carracas Control 2-1	2305061-49 2305061-51	Solid Solid	5/3/2023 8:45:00 AM 5/3/2023 8:52:00 AM	BTEX 8260B BTEX 8260B	Total Xylenes Total Xylenes	ND ND	0.075 0.075	mg/kg mg/kg
Carracas Control 1-1 Carracas Control 2-1 Carracas Control 3-1	2305061-49 2305061-51 2305061-45	Solid Solid Solid	5/3/2023 8:45:00 AM 5/3/2023 8:52:00 AM 5/3/2023 8:57:00 AM	BTEX 8260B BTEX 8260B BTEX 8260B	Total Xylenes Total Xylenes Total Xylenes	ND ND ND	0.075 0.075 0.075	mg/kg mg/kg mg/kg
Carracas Control 1-1 Carracas Control 2-1 Carracas Control 3-1 Carracas Control 4-1	2305061-49 2305061-51 2305061-45 2305061-47	Solid Solid Solid Solid	5/3/2023 8:45:00 AM 5/3/2023 8:52:00 AM 5/3/2023 8:57:00 AM 5/3/2023 9:15:00 AM	BTEX 8260B BTEX 8260B BTEX 8260B BTEX 8260B	Total Xylenes Total Xylenes Total Xylenes Total Xylenes	ND ND ND ND	0.075 0.075 0.075 0.075	mg/kg mg/kg mg/kg mg/kg
Carracas Control 1-1 Carracas Control 2-1 Carracas Control 3-1 Carracas Control 4-1 Carracas Plot 1-1	2305061-49 2305061-51 2305061-45 2305061-47 2305061-01	Solid Solid Solid Solid Solid	5/3/2023 8:45:00 AM 5/3/2023 8:52:00 AM 5/3/2023 8:57:00 AM 5/3/2023 9:15:00 AM 5/3/2023 2:41:00 PM	BTEX 8260B BTEX 8260B BTEX 8260B BTEX 8260B BTEX 8260B	Total Xylenes Total Xylenes Total Xylenes Total Xylenes Total Xylenes	ND ND ND ND ND	0.075 0.075 0.075 0.075 0.075	mg/kg mg/kg mg/kg mg/kg mg/kg
Carracas Control 1-1 Carracas Control 2-1 Carracas Control 3-1 Carracas Control 4-1 Carracas Plot 1-1 Carracas Plot 2-1	2305061-49 2305061-51 2305061-45 2305061-01 2305061-03	Solid Solid Solid Solid Solid Solid	5/3/2023 8:45:00 AM 5/3/2023 8:52:00 AM 5/3/2023 8:57:00 AM 5/3/2023 9:15:00 AM 5/3/2023 2:41:00 PM 5/3/2023 2:32:00 PM	BTEX 8260B BTEX 8260B BTEX 8260B BTEX 8260B BTEX 8260B BTEX 8260B	Total Xylenes Total Xylenes Total Xylenes Total Xylenes Total Xylenes Total Xylenes	ND ND ND ND ND ND	0.075 0.075 0.075 0.075 0.075 0.075	mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg
Carracas Control 1-1 Carracas Control 2-1 Carracas Control 3-1 Carracas Control 4-1 Carracas Plot 1-1 Carracas Plot 2-1 Carracas Plot 3-1	2305061-49 2305061-51 2305061-45 2305061-01 2305061-03 2305061-03	Solid Solid Solid Solid Solid Solid Solid	5/3/2023 8:45:00 AM 5/3/2023 8:52:00 AM 5/3/2023 8:57:00 AM 5/3/2023 9:15:00 AM 5/3/2023 2:41:00 PM 5/3/2023 2:32:00 PM 5/3/2023 2:21:00 PM	BTEX 8260B BTEX 8260B BTEX 8260B BTEX 8260B BTEX 8260B BTEX 8260B BTEX 8260B	Total Xylenes Total Xylenes Total Xylenes Total Xylenes Total Xylenes Total Xylenes Total Xylenes	ND ND ND ND ND ND ND	0.075 0.075 0.075 0.075 0.075 0.075 0.075	mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg
Carracas Control 1-1 Carracas Control 2-1 Carracas Control 3-1 Carracas Control 4-1 Carracas Plot 1-1 Carracas Plot 2-1 Carracas Plot 3-1 Carracas Plot 4-1	2305061-49 2305061-51 2305061-45 2305061-01 2305061-03 2305061-03	Solid Solid Solid Solid Solid Solid Solid Solid	5/3/2023 8:45:00 AM 5/3/2023 8:52:00 AM 5/3/2023 8:57:00 AM 5/3/2023 9:15:00 AM 5/3/2023 2:41:00 PM 5/3/2023 2:21:00 PM 5/3/2023 2:21:00 PM	BTEX 8260B BTEX 8260B BTEX 8260B BTEX 8260B BTEX 8260B BTEX 8260B	Total Xylenes Total Xylenes Total Xylenes Total Xylenes Total Xylenes Total Xylenes Total Xylenes Total Xylenes	ND ND ND ND ND ND ND ND ND	0.075 0.075 0.075 0.075 0.075 0.075 0.075	mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg
Carracas Control 1-1 Carracas Control 2-1 Carracas Control 3-1 Carracas Control 4-1 Carracas Plot 1-1 Carracas Plot 2-1 Carracas Plot 3-1 Carracas Plot 4-1 Carracas Plot 5-1	2305061-49 2305061-51 2305061-47 2305061-01 2305061-03 2305061-05 2305061-07 2305061-07	Solid Solid Solid Solid Solid Solid Solid Solid Solid	5/3/2023 8:45:00 AM 5/3/2023 8:52:00 AM 5/3/2023 8:57:00 AM 5/3/2023 9:15:00 AM 5/3/2023 2:41:00 PM 5/3/2023 2:21:00 PM 5/3/2023 2:21:00 PM 5/3/2023 2:04:00 PM 5/3/2023 1:56:00 PM	BTEX 8260B BTEX 8260B BTEX 8260B BTEX 8260B BTEX 8260B BTEX 8260B BTEX 8260B BTEX 8260B BTEX 8260B	Total Xylenes Total Xylenes Total Xylenes Total Xylenes Total Xylenes Total Xylenes Total Xylenes Total Xylenes Total Xylenes	ND ND ND ND ND ND ND ND ND ND	0.075 0.075 0.075 0.075 0.075 0.075 0.075 0.075 0.075	mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg
Carracas Control 1-1 Carracas Control 2-1 Carracas Control 3-1 Carracas Control 4-1 Carracas Plot 1-1 Carracas Plot 2-1 Carracas Plot 3-1 Carracas Plot 4-1 Carracas Plot 5-1 Carracas Plot 6-1	2305061-49 2305061-51 2305061-47 2305061-01 2305061-03 2305061-07 2305061-09 2305061-09	Solid Solid Solid Solid Solid Solid Solid Solid Solid Solid	5/3/2023 8:45:00 AM 5/3/2023 8:52:00 AM 5/3/2023 8:57:00 AM 5/3/2023 9:15:00 AM 5/3/2023 2:41:00 PM 5/3/2023 2:21:00 PM 5/3/2023 2:04:00 PM 5/3/2023 1:56:00 PM 5/3/2023 2:15:00 PM	BTEX 8260B BTEX 8260B BTEX 8260B BTEX 8260B BTEX 8260B BTEX 8260B BTEX 8260B BTEX 8260B BTEX 8260B BTEX 8260B	Total Xylenes Total Xylenes Total Xylenes Total Xylenes Total Xylenes Total Xylenes Total Xylenes Total Xylenes Total Xylenes Total Xylenes	ND ND ND ND ND ND ND ND ND ND	0.075 0.075 0.075 0.075 0.075 0.075 0.075 0.075 0.075 0.075	mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg
Carracas Control 1-1 Carracas Control 2-1 Carracas Control 3-1 Carracas Control 4-1 Carracas Plot 1-1 Carracas Plot 2-1 Carracas Plot 3-1 Carracas Plot 4-1 Carracas Plot 5-1 Carracas Plot 6-1 Carracas Plot 7-1	2305061-49 2305061-45 2305061-47 2305061-01 2305061-03 2305061-07 2305061-09 2305061-11 2305061-13	Solid Solid Solid Solid Solid Solid Solid Solid Solid Solid Solid	5/3/2023 8:45:00 AM 5/3/2023 8:52:00 AM 5/3/2023 8:57:00 AM 5/3/2023 9:15:00 AM 5/3/2023 2:41:00 PM 5/3/2023 2:21:00 PM 5/3/2023 2:21:00 PM 5/3/2023 2:04:00 PM 5/3/2023 1:56:00 PM	BTEX 8260B BTEX 8260B BTEX 8260B BTEX 8260B BTEX 8260B BTEX 8260B BTEX 8260B BTEX 8260B BTEX 8260B	Total Xylenes Total Xylenes	ND ND ND ND ND ND ND ND ND ND ND ND	0.075 0.075 0.075 0.075 0.075 0.075 0.075 0.075 0.075 0.075 0.075	mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg
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Attachment IV – Complete Lab Report on Soil Samples



75 Suttle Street Durango, CO 81303 970.247.4220 Phone 970.247.4227 Fax www.greenanalytical.com

16 May 2023

Tanner Paulek Energy Inspection Services 479 Wolverine Drive Bayfield, CO 81122 RE: Carracas 23A Spill

Enclosed are the results of analyses for samples received by the laboratory on 05/04/23 09:45. The data to follow was performed, in whole or in part, by Green Analytical Laboratories. Any data that was performed by a subcontract laboratory is included within the GAL report, or with an additional report attached.

If you need any further assistance, please feel free to contact me.

Sincerely,

Nermica & nulls

Veronica Wells Project Manager

All accredited analytes contained in this report are denoted by an asterisk (*). For a complete list of accredited analytes please do not hesitate to contact us via any of the contact information contained in this report. All of our certifications can be viewed at http://greenanalytical.com/certifications/

Green Analytical Laboratories is NELAP accredited through the Texas Commission on Environmental Quality. Accreditation applies to drinking water and non-potable water matrices for trace metals and a variety of inorganic parameters. Green Analytical Laboratories is also accredited through the Colorado Department of Public Health and Environment and EPA region 8 for trace metals, Cyanide, Fluoride, Nitrate, and Nitrite in drinking water. TNI Certificate Number: T104704514-23-17

Our affiliate laboratory, Cardinal Laboratories, is also NELAP accredited through the Texas Commission on Environmental Quality for a variety of organic constituents in drinking water, non-potable water and solid matrices. Cardinal is also accredited for regulated VOCs, TTHM, and HAA-5 in drinking water through the Colorado Department of Public Health and Environment and EPA region 8. TNI Certificate Number: T104704398-23-16



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Energy Inspection Services	Project: BTEX TPH Chloride	
479 Wolverine Drive	Project Name / Number: Carracas 23A Spill	Reported:
Bayfield CO, 81122	Project Manager: Tanner Paulek	05/16/23 15:28

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received	Notes
Carracas Plot 1-1	2305061-01	Solid	05/03/23 14:41	05/04/23 09:45	
Carracas Plot 1-2	2305061-02	Solid	05/03/23 14:41	05/04/23 09:45	
Carracas Plot 2-1	2305061-03	Solid	05/03/23 14:32	05/04/23 09:45	
Carracas Plot 2-2	2305061-04	Solid	05/03/23 14:32	05/04/23 09:45	
Carracas Plot 3-1	2305061-05	Solid	05/03/23 14:21	05/04/23 09:45	
Carracas Plot 3-2	2305061-06	Solid	05/03/23 14:21	05/04/23 09:45	
Carracas Plot 4-1	2305061-07	Solid	05/03/23 14:04	05/04/23 09:45	
Carracas Plot 4-2	2305061-08	Solid	05/03/23 14:04	05/04/23 09:45	
Carracas Plot 5-1	2305061-09	Solid	05/03/23 13:56	05/04/23 09:45	
Carracas Plot 5-2	2305061-10	Solid	05/03/23 13:56	05/04/23 09:45	
Carracas Plot 6-1	2305061-11	Solid	05/03/23 14:15	05/04/23 09:45	
Carracas Plot 6-2	2305061-12	Solid	05/03/23 14:15	05/04/23 09:45	
Carracas Plot 7-1	2305061-13	Solid	05/03/23 13:47	05/04/23 09:45	
Carracas Plot 7-2	2305061-14	Solid	05/03/23 13:47	05/04/23 09:45	
Carracas Plot 8-1	2305061-15	Solid	05/03/23 13:37	05/04/23 09:45	
Carracas Plot 8-2	2305061-16	Solid	05/03/23 13:37	05/04/23 09:45	
Carracas Plot 9-1	2305061-17	Solid	05/03/23 13:32	05/04/23 09:45	
Carracas Plot 9-2	2305061-18	Solid	05/03/23 13:32	05/04/23 09:45	
Carracas Plot 10-1	2305061-19	Solid	05/03/23 13:20	05/04/23 09:45	
Carracas Plot 10-2	2305061-20	Solid	05/03/23 13:20	05/04/23 09:45	
Carracas Plot 11-1	2305061-21	Solid	05/03/23 13:07	05/04/23 09:45	
Carracas Plot 11-2	2305061-22	Solid	05/03/23 13:07	05/04/23 09:45	
Carracas Plot 12-1	2305061-23	Solid	05/03/23 12:58	05/04/23 09:45	
Carracas Plot 12-2	2305061-24	Solid	05/03/23 12:58	05/04/23 09:45	
Carracas Plot 13-1	2305061-25	Solid	05/03/23 12:44	05/04/23 09:45	
Carracas Plot 13-2	2305061-26	Solid	05/03/23 12:44	05/04/23 09:45	
Carracas Plot 14-1	2305061-27	Solid	05/03/23 12:26	05/04/23 09:45	
Carracas Plot 14-2	2305061-28	Solid	05/03/23 12:26	05/04/23 09:45	

Green Analytical Laboratories

Nermica J nulles



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Energy Inspection Services	Project: BTEX TPH Chloride	
479 Wolverine Drive	Project Name / Number: Carracas 23A Spill	Reported:
Bayfield CO, 81122	Project Manager: Tanner Paulek	05/16/23 15:28

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received	Notes
Carracas Plot 15-1	2305061-29	Solid	05/03/23 12:14	05/04/23 09:45	
Carracas Plot 15-2	2305061-30	Solid	05/03/23 12:14	05/04/23 09:45	
Carracas Plot 16-1	2305061-31	Solid	05/03/23 11:56	05/04/23 09:45	
Carracas Plot 16-2	2305061-32	Solid	05/03/23 11:56	05/04/23 09:45	
Carracas Plot 17-1	2305061-33	Solid	05/03/23 11:40	05/04/23 09:45	
Carracas Plot 17-2	2305061-34	Solid	05/03/23 11:40	05/04/23 09:45	
Carracas Plot 18-1	2305061-35	Solid	05/03/23 11:26	05/04/23 09:45	
Carracas Plot 18-2	2305061-36	Solid	05/03/23 11:26	05/04/23 09:45	
Carracas Plot 19-1	2305061-37	Solid	05/03/23 10:43	05/04/23 09:45	
Carracas Plot 19-2	2305061-38	Solid	05/03/23 10:43	05/04/23 09:45	
Carracas Plot 20-1	2305061-39	Solid	05/03/23 10:16	05/04/23 09:45	
Carracas Plot 20-2	2305061-40	Solid	05/03/23 10:16	05/04/23 09:45	
Carracas Plot 21-1	2305061-41	Solid	05/03/23 09:53	05/04/23 09:45	
Carracas Plot 21-2	2305061-42	Solid	05/03/23 09:53	05/04/23 09:45	
Carracas Plot 22-1	2305061-43	Solid	05/03/23 09:30	05/04/23 09:45	
Carracas Plot 22-2	2305061-44	Solid	05/03/23 09:30	05/04/23 09:45	
Carracas Control 3-1	2305061-45	Solid	05/03/23 08:57	05/04/23 09:45	
Carracas Control 3-2	2305061-46	Solid	05/03/23 08:57	05/04/23 09:45	
Carracas Control 4-1	2305061-47	Solid	05/03/23 09:15	05/04/23 09:45	
Carracas Control 4-2	2305061-48	Solid	05/03/23 09:15	05/04/23 09:45	
Carracas Control 1-1	2305061-49	Solid	05/03/23 08:45	05/04/23 09:45	
Carracas Control 1-2	2305061-50	Solid	05/03/23 08:45	05/04/23 09:45	
Carracas Control 2-1	2305061-51	Solid	05/03/23 08:52	05/04/23 09:45	
Carracas Control 2-2	2305061-52	Solid	05/03/23 08:52	05/04/23 09:45	
Carracas Control 1	2305061-53	Solid	05/03/23 08:45	05/04/23 09:45	
Carracas Control 2	2305061-54	Solid	05/03/23 08:52	05/04/23 09:45	
Carracas Control 3	2305061-55	Solid	05/03/23 08:57	05/04/23 09:45	
Carracas Control 4	2305061-56	Solid	05/03/23 09:15	05/04/23 09:45	

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Energy Inspection Services	Project: BTEX TPH Chloride	
479 Wolverine Drive	Project Name / Number: Carracas 23A Spill	Reported:
Bayfield CO, 81122	Project Manager: Tanner Paulek	05/16/23 15:28

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received	Notes
Carracas Plot 22	2305061-57	Solid	05/03/23 09:30	05/04/23 09:45	
Carracas Plot 21	2305061-58	Solid	05/03/23 09:53	05/04/23 09:45	
Carracas Plot 20	2305061-59	Solid	05/03/23 10:16	05/04/23 09:45	
Carracas Plot 19	2305061-60	Solid	05/03/23 10:43	05/04/23 09:45	
Carracas Plot 18	2305061-61	Solid	05/03/23 11:26	05/04/23 09:45	
Carracas Plot 17	2305061-62	Solid	05/03/23 11:40	05/04/23 09:45	
Carracas Plot 16	2305061-63	Solid	05/03/23 11:56	05/04/23 09:45	
Carracas Plot 15	2305061-64	Solid	05/03/23 12:14	05/04/23 09:45	
Carracas Plot 14	2305061-65	Solid	05/03/23 12:26	05/04/23 09:45	
Carracas Plot 13	2305061-66	Solid	05/03/23 12:44	05/04/23 09:45	
Carracas Plot 12	2305061-67	Solid	05/03/23 12:58	05/04/23 09:45	
Carracas Plot 11	2305061-68	Solid	05/03/23 13:07	05/04/23 09:45	
Carracas Plot 10	2305061-69	Solid	05/03/23 13:20	05/04/23 09:45	
Carracas Plot 9	2305061-70	Solid	05/03/23 13:32	05/04/23 09:45	
Carracas Plot 8	2305061-71	Solid	05/03/23 13:37	05/04/23 09:45	
Carracas Plot 7	2305061-72	Solid	05/03/23 13:47	05/04/23 09:45	
Carracas Plot 6	2305061-73	Solid	05/03/23 14:15	05/04/23 09:45	
Carracas Plot 5	2305061-74	Solid	05/03/23 13:56	05/04/23 09:45	
Carracas Plot 4	2305061-75	Solid	05/03/23 14:04	05/04/23 09:45	
Carracas Plot 3	2305061-76	Solid	05/03/23 14:21	05/04/23 09:45	
Carracas Plot 2	2305061-77	Solid	05/03/23 14:32	05/04/23 09:45	
Carracas Plot 1	2305061-78	Solid	05/03/23 14:46	05/04/23 09:45	

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Carracas Plot 1-1						
Bayfield CO, 81122	Project Manager: Tanner Paulek	05/16/23 15:28				
479 Wolverine Drive	Project Name / Number: Carracas 23A Spill	Reported:				
Energy Inspection Services	Project: BTEX TPH Chloride					

2305061-01 (Soil)									
Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst

Subcontracted -- Cardinal Laboratories 101 East Marland Hobbs, NM 88240

Volatile Organic Compounds by EPA Method 8260B 50 05/11/23 14:19 8260B MS Benzene* < 0.025 0.025 0.009 mg/kg 50 05/11/23 14:19 8260B 0.039 0.025 0.007 mg/kg MS Toluene* Ethylbenzene* < 0.025 0.025 0.004 mg/kg 50 05/11/23 14:19 8260B MS < 0.075 0.075 0.026 mg/kg 50 05/11/23 14:19 8260B MS **Total Xylenes*** < 0.150 0.150 0.045 50 05/11/23 14:19 8260B MS **Total BTEX** mg/kg Surrogate: Dibromofluoromethane 107 % 86.7-111 05/11/23 8260B MS 14:19 05/11/23 Surrogate: Toluene-d8 96.1 % 89.3-110 8260B MS 14:19 05/11/23 8260B MS Surrogate: 4-Bromofluorobenzene 100 % 88.2-108 14:19

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Laboratories		www.GreenAnalytical.com
Energy Inspection Services 479 Wolverine Drive Bayfield CO, 81122	Project: BTEX TPH Chloride Project Name / Number: Carracas 23A Spill Project Manager: Tanner Paulek	Reported: 05/16/23 15:28
	Carracas Plot 1-2	

2305061-02 (Soil)										
Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst	

Subcontracted -- Cardinal Laboratories 101 East Marland Hobbs, NM 88240

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0	10.0	6.25	mg/kg	1	05/08/23 12:00	8015B	MS
DRO >C10-C28*	<10.0	10.0	4.26	mg/kg	1	05/08/23 12:00	8015B	MS
EXT DRO >C28-C36	<10.0	10.0	4.26	mg/kg	1	05/08/23 12:00	8015B	MS
Surrogate: 1-Chlorooctane			78.1 %	48.2-134		05/08/23 12:00	8015B	MS
Surrogate: 1-Chlorooctadecane			77.3 %	49.1-148		05/08/23 12:00	8015B	MS

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Energy Inspection Services 479 Wolverine Drive Bayfield CO, 81122

jeremy.allen@greenanalytical.com p: 970.247.4220 f: 970.247.4227 75 Suttle Street Durango, CO 81303

es		www.GreenAnalytical.com
	Project: BTEX TPH Chloride	
	Project Name / Number: Carracas 23A Spill	Reported:
	Project Manager: Tanner Paulek	05/16/23 15:28

05/16/23 15:28

Carracas Plot 2-1

2305061-03 (Soil)											
Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst		

Subcontracted -- Cardinal Laboratories 101 East Marland Hobbs, NM 88240

Volatile Organic Compounds by EPA Method 8260B 50 05/11/23 14:34 8260B MS Benzene* < 0.025 0.025 0.009 mg/kg 50 05/11/23 14:34 8260B < 0.025 0.025 0.007 mg/kg MS Toluene* 0.004 mg/kg 50 05/11/23 14:34 8260B MS Ethylbenzene* < 0.025 0.025 < 0.075 0.075 mg/kg 50 05/11/23 14:34 8260B MS **Total Xylenes*** 0.026 05/11/23 14:34 8260B **Total BTEX** < 0.150 0.150 0.045 mg/kg 50 MS Surrogate: Dibromofluoromethane 107 % 86.7-111 05/11/23 8260B MS 14:34 Surrogate: Toluene-d8 94.4 % 89.3-110 05/11/23 8260B MS 14:34 Surrogate: 4-Bromofluorobenzene 05/11/23 8260B 98.8 % 88.2-108 MS 14:34

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Energy Inspection Services 479 Wolverine Drive Bayfield CO, 81122	Project: BTEX TPH Chloride Project Name / Number: Carracas 23A Spill Project Manager: Tanner Paulek	Reported: 05/16/23 15:28
	Carracas Plot 2-2	

2305061-04 (Soil)											
Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst		

Subcontracted -- Cardinal Laboratories 101 East Marland Hobbs, NM 88240

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0	10.0	6.25	mg/kg	1	05/08/23 12:23	8015B	MS
DRO >C10-C28*	<10.0	10.0	4.26	mg/kg	1	05/08/23 12:23	8015B	MS
EXT DRO >C28-C36	<10.0	10.0	4.26	mg/kg	1	05/08/23 12:23	8015B	MS
Surrogate: 1-Chlorooctane			78.9 %	48.2-134		05/08/23 12:23	8015B	MS
Surrogate: 1-Chlorooctadecane			80.3 %	49.1-148		05/08/23 12:23	8015B	MS

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Carracas Plot 3-1									
Bayfield CO, 81122	Project Manager: Tanner Paulek	05/16/23 15:28							
479 Wolverine Drive	Project Name / Number: Carracas 23A Spill	Reported:							
Energy Inspection Services	Project: BTEX TPH Chloride								

2305061-05 (Soil) Analyte Result RL MDL Units Dilution Analyzed Method Notes Analyst

Subcontracted -- Cardinal Laboratories 101 East Marland Hobbs, NM 88240

Volatile Organic Compounds by EPA Method 8260B 50 05/11/23 14:50 8260B MS Benzene* < 0.025 0.025 0.009 mg/kg 50 8260B < 0.025 0.025 0.007 mg/kg 05/11/23 14:50 MS Toluene* mg/kg 50 05/11/23 14:50 8260B MS Ethylbenzene* < 0.025 0.025 0.004 mg/kg 50 05/11/23 14:50 8260B MS **Total Xylenes*** < 0.075 0.075 0.026 05/11/23 14:50 **Total BTEX** < 0.150 0.150 0.045 mg/kg 50 8260B MS Surrogate: Dibromofluoromethane 102 % 86.7-111 05/11/23 8260B MS 14:50 Surrogate: Toluene-d8 97.7 % 89.3-110 05/11/23 8260B MS 14:50 99.2 % 05/11/23 8260B Surrogate: 4-Bromofluorobenzene 88.2-108 MS 14:50

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Laboratories		www.GreenAnalytical.com
Energy Inspection Services	Project: BTEX TPH Chloride	
479 Wolverine Drive	Project Name / Number: Carracas 23A Spill	Reported:
Bayfield CO, 81122	Project Manager: Tanner Paulek	05/16/23 15:28
	Carracas Plot 3-2	

2305061-06 (Soil)										
Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst	

Subcontracted -- Cardinal Laboratories 101 East Marland Hobbs, NM 88240

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0	10.0	6.25	mg/kg	1	05/08/23 12:46	8015B	MS
DRO >C10-C28*	<10.0	10.0	4.26	mg/kg	1	05/08/23 12:46	8015B	MS
EXT DRO >C28-C36	<10.0	10.0	4.26	mg/kg	1	05/08/23 12:46	8015B	MS
Surrogate: 1-Chlorooctane			80.7 %	48.2-134		05/08/23 12:46	8015B	MS
Surrogate: 1-Chlorooctadecane			80.7 %	49.1-148		05/08/23 12:46	8015B	MS

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Carracas Plot 4-1						
Bayfield CO, 81122	Project Manager: Tanner Paulek	05/16/23 15:28				
479 Wolverine Drive	Project Name / Number: Carracas 23A Spill	Reported:				
Energy Inspection Services	Project: BTEX TPH Chloride					

2305061-07 (Soil) Analyte Result RL MDL Units Dilution Analyzed Method Notes Analyst

Subcontracted -- Cardinal Laboratories 101 East Marland Hobbs, NM 88240

Volatile Organic Compounds by EPA Method 8260B 50 05/11/23 15:05 8260B MS Benzene* < 0.025 0.025 0.009 mg/kg 50 05/11/23 15:05 8260B < 0.025 0.025 0.007 mg/kg MS Toluene* mg/kg 50 05/11/23 15:05 8260B MS Ethylbenzene* < 0.025 0.025 0.004 mg/kg 50 05/11/23 15:05 8260B MS **Total Xylenes*** < 0.075 0.075 0.026 05/11/23 15:05 **Total BTEX** < 0.150 0.150 0.045 mg/kg 50 8260B MS Surrogate: Dibromofluoromethane 103 % 86.7-111 05/11/23 8260B MS 15:05 Surrogate: Toluene-d8 97.5 % 89.3-110 05/11/23 8260B MS 15:05 102 % 05/11/23 8260B Surrogate: 4-Bromofluorobenzene 88.2-108 MS 15:05

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Laboratories		www.GreenAnalytical.com
Energy Inspection Services 479 Wolverine Drive Bayfield CO, 81122	Project: BTEX TPH Chloride Project Name / Number: Carracas 23A Spill Project Manager: Tanner Paulek	Reported: 05/16/23 15:28
	Carracas Plot 4-2	

		23	05061-08 ((Soil)					
Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst

Subcontracted -- Cardinal Laboratories 101 East Marland Hobbs, NM 88240

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0	10.0	6.25	mg/kg	1	05/08/23 13:10	8015B	MS
DRO >C10-C28*	<10.0	10.0	4.26	mg/kg	1	05/08/23 13:10	8015B	MS
EXT DRO >C28-C36	<10.0	10.0	4.26	mg/kg	1	05/08/23 13:10	8015B	MS
Surrogate: 1-Chlorooctane			75.6 %	48.2-134		05/08/23 13:10	8015B	MS
Surrogate: 1-Chlorooctadecane			76.6 %	49.1-148		05/08/23 13:10	8015B	MS

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 Energy Inspection Services
 Project:
 BTEX TPH Chloride

 479 Wolverine Drive
 Project Name / Number:
 Carracas 23A Spill

 Bayfield CO, 81122
 Project Manager:
 Tanner Paulek

 Carracas Plot 5-1

		23	05061-09 (Soil)					
Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst

Subcontracted -- Cardinal Laboratories 101 East Marland Hobbs, NM 88240

Volatile Organic Compounds by EPA Method 8260B 50 05/11/23 15:20 8260B MS Benzene* < 0.025 0.025 0.009 mg/kg 50 8260B 0.026 0.025 0.007 mg/kg 05/11/23 15:20 MS Toluene* Ethylbenzene* < 0.025 0.025 0.004 mg/kg 50 05/11/23 15:20 8260B MS < 0.075 0.075 0.026 mg/kg 50 05/11/23 15:20 8260B MS **Total Xylenes*** < 0.150 0.150 0.045 50 05/11/23 15:20 8260B MS **Total BTEX** mg/kg Surrogate: Dibromofluoromethane 108 % 86.7-111 05/11/23 8260B MS 15:20 Surrogate: Toluene-d8 93.9% 89.3-110 05/11/23 8260B MS 15:20 05/11/23 8260B MS Surrogate: 4-Bromofluorobenzene 96.4 % 88.2-108 15:20

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Page 13 of 98 2305061 GAL FINAL 05 16 23 1528 05/16/23 15:28:49



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Energy Inspection Services 479 Wolverine Drive Bayfield CO, 81122	Project: BTEX TPH Chloride Project Name / Number: Carracas 23A Spill Project Manager: Tanner Paulek	Reported: 05/16/23 15:28
	Carracas Plot 5-2	

		23	05061-10 ((Soil)					
Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst

Subcontracted -- Cardinal Laboratories 101 East Marland Hobbs, NM 88240

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0	10.0	6.25	mg/kg	1	05/08/23 13:34	8015B	MS
DRO >C10-C28*	<10.0	10.0	4.26	mg/kg	1	05/08/23 13:34	8015B	MS
EXT DRO >C28-C36	<10.0	10.0	4.26	mg/kg	1	05/08/23 13:34	8015B	MS
Surrogate: 1-Chlorooctane			77.0 %	48.2-134		05/08/23 13:34	8015B	MS
Surrogate: 1-Chlorooctadecane			76.9 %	49.1-148		05/08/23 13:34	8015B	MS

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Carracas Plot 6-1							
Bayfield CO, 81122	Project Manager: Tanner Paulek	05/16/23 15:28					
479 Wolverine Drive	Project Name / Number: Carracas 23A Spill	Reported:					
Energy Inspection Services	Project: BTEX TPH Chloride						

2305061-11 (Soil) Analyte Result RL MDL Units Dilution Analyzed Method Notes Analyst

Subcontracted -- Cardinal Laboratories 101 East Marland Hobbs, NM 88240

Volatile Organic Compounds by EPA Method 8260B 50 05/11/23 15:35 8260B MS Benzene* < 0.025 0.025 0.009 mg/kg 50 05/11/23 15:35 8260B < 0.025 0.025 0.007 mg/kg MS Toluene* mg/kg 50 05/11/23 15:35 8260B MS Ethylbenzene* < 0.025 0.025 0.004 mg/kg 50 05/11/23 15:35 8260B MS **Total Xylenes*** < 0.075 0.075 0.026 05/11/23 15:35 **Total BTEX** < 0.150 0.150 0.045 mg/kg 50 8260B MS Surrogate: Dibromofluoromethane 104 % 86.7-111 05/11/23 8260B MS 15:35 Surrogate: Toluene-d8 94.1 % 89.3-110 05/11/23 8260B MS 15:35 99.1 % 05/11/23 8260B Surrogate: 4-Bromofluorobenzene 88.2-108 MS 15:35

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Laboratories		www.GreenAnalytical.com
Energy Inspection Services	Project: BTEX TPH Chloride	
479 Wolverine Drive	Project Name / Number: Carracas 23A Spill	Reported:
Bayfield CO, 81122	Project Manager: Tanner Paulek	05/16/23 15:28
	Carracas Plot 6-2	
	2305061-12 (Soil)	

			00001 12 (
Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst

Subcontracted -- Cardinal Laboratories 101 East Marland Hobbs, NM 88240

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0	10.0	6.25	mg/kg	1	05/08/23 13:58	8015B	MS
DRO >C10-C28*	<10.0	10.0	4.26	mg/kg	1	05/08/23 13:58	8015B	MS
EXT DRO >C28-C36	<10.0	10.0	4.26	mg/kg	1	05/08/23 13:58	8015B	MS
Surrogate: 1-Chlorooctane			74.7 %	48.2-134		05/08/23 13:58	8015B	MS
Surrogate: 1-Chlorooctadecane			74.4 %	49.1-148		05/08/23 13:58	8015B	MS

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jeremy.allen@greenanalytical.com p: 970.247.4220 f: 970.247.4227 75 Suttle Street Durango, CO 81303

Energy Inspection Services	Project: BTEX TPH Chloride					
479 Wolverine Drive	Project Name / Number: Carracas 23A Spill	Reported:				
Bayfield CO, 81122	Project Manager: Tanner Paulek	05/16/23 15:28				
Carracas Plot 7-1						

		23	805061-13 ((Soil)					
Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst

Subcontracted -- Cardinal Laboratories 101 East Marland Hobbs, NM 88240

Volatile Organic Compounds by EPA Method 8260B 05/11/23 15:51 50 8260B MS Benzene* < 0.025 0.025 0.009 mg/kg < 0.025 50 05/11/23 15:51 8260B 0.025 0.007 mg/kg MS Toluene* 0.004 mg/kg 50 05/11/23 15:51 8260B MS Ethylbenzene* < 0.025 0.025 < 0.075 0.075 mg/kg 50 05/11/23 15:51 8260B MS **Total Xylenes*** 0.026 05/11/23 15:51 8260B **Total BTEX** < 0.150 0.150 0.045 mg/kg 50 MS Surrogate: Dibromofluoromethane 105 % 86.7-111 05/11/23 8260B MS 15:51 Surrogate: Toluene-d8 91.2 % 89.3-110 05/11/23 8260B MS 15:51 Surrogate: 4-Bromofluorobenzene 98.4 % 05/11/23 8260B MS 88.2-108 15:51

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Laboratories		www.GreenAnalytical.com
Energy Inspection Services	Project: BTEX TPH Chloride	
479 Wolverine Drive	Project Name / Number: Carracas 23A Spill	Reported:
Bayfield CO, 81122	Project Manager: Tanner Paulek	05/16/23 15:28
	Carracas Plot 7-2	

		23	05061-14 ((Soil)					
Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst

Subcontracted -- Cardinal Laboratories 101 East Marland Hobbs, NM 88240

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0	10.0	6.25	mg/kg	1	05/08/23 14:21	8015B	MS
DRO >C10-C28*	<10.0	10.0	4.26	mg/kg	1	05/08/23 14:21	8015B	MS
EXT DRO >C28-C36	<10.0	10.0	4.26	mg/kg	1	05/08/23 14:21	8015B	MS
Surrogate: 1-Chlorooctane			74.7 %	48.2-134		05/08/23 14:21	8015B	MS
Surrogate: 1-Chlorooctadecane			75.2 %	49.1-148		05/08/23 14:21	8015B	MS

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Energy Inspection Services	Project: BTEX TPH Chloride						
479 Wolverine Drive	Project Name / Number: Carracas 23A Spill	Reported:					
Bayfield CO, 81122	Project Manager: Tanner Paulek	05/16/23 15:28					
Carracas Plot 8-1							

		23	05061-15 ((Soil)					
Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst

Subcontracted -- Cardinal Laboratories 101 East Marland Hobbs, NM 88240

Volatile Organic Compounds by EPA Method 8260B 50 05/12/23 10:32 8260B MS Benzene* < 0.025 0.025 0.009 mg/kg < 0.025 50 05/12/23 10:32 8260B 0.025 0.007 mg/kg MS Toluene* mg/kg 50 05/12/23 10:32 8260B MS Ethylbenzene* < 0.025 0.025 0.004 mg/kg 50 05/12/23 10:32 8260B MS **Total Xylenes*** 0.626 0.075 0.026 0.045 50 05/12/23 10:32 8260B MS **Total BTEX** 0.626 0.150 mg/kg Surrogate: Dibromofluoromethane 89.2 % 86.7-111 05/12/23 8260B MS 10:32 Surrogate: Toluene-d8 05/12/23 8260B S-05 MS 87.9% 89.3-110 10:32 05/12/23 8260B S-05 MS Surrogate: 4-Bromofluorobenzene 115 % 88.2-108 10:32

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Laboratories		www.GreenAnalytical.com
Energy Inspection Services 479 Wolverine Drive Bayfield CO, 81122	Project: BTEX TPH Chloride Project Name / Number: Carracas 23A Spill Project Manager: Tanner Paulek	Reported: 05/16/23 15:28
	Carracas Plot 8-2	

		23	05061-16 (Soil)					
Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst

Subcontracted -- Cardinal Laboratories 101 East Marland Hobbs, NM 88240

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0	10.0	6.25	mg/kg	1	05/08/23 14:45	8015B	MS
DRO >C10-C28*	<10.0	10.0	4.26	mg/kg	1	05/08/23 14:45	8015B	MS
EXT DRO >C28-C36	<10.0	10.0	4.26	mg/kg	1	05/08/23 14:45	8015B	MS
Surrogate: 1-Chlorooctane			81.6 %	48.2-134		05/08/23 14:45	8015B	MS
Surrogate: 1-Chlorooctadecane			84.0 %	49.1-148		05/08/23 14:45	8015B	MS

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Energy Inspection Services	Project: BTEX TPH Chloride	
479 Wolverine Drive	Project Name / Number: Carracas 23A Spill	Reported:
Bayfield CO, 81122	Project Manager: Tanner Paulek	05/16/23 15:28
	Carracas Plot 9-1	

		23	605061-17 (Soil)					
Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst

Subcontracted -- Cardinal Laboratories 101 East Marland Hobbs, NM 88240

Volatile Organic Compounds by EPA Method 8260B 05/11/23 16:06 50 8260B MS Benzene* < 0.025 0.025 0.009 mg/kg 50 05/11/23 16:06 8260B 0.037 0.025 0.007 mg/kg MS Toluene* Ethylbenzene* < 0.025 0.025 0.004 mg/kg 50 05/11/23 16:06 8260B MS < 0.075 0.075 0.026 mg/kg 50 05/11/23 16:06 8260B MS **Total Xylenes*** < 0.150 0.150 0.045 50 05/11/23 16:06 8260B MS **Total BTEX** mg/kg Surrogate: Dibromofluoromethane 104 % 86.7-111 05/11/23 8260B MS 16:06 Surrogate: Toluene-d8 93.1% 89.3-110 05/11/23 8260B MS 16:06 05/11/23 8260B MS Surrogate: 4-Bromofluorobenzene 102 % 88.2-108 16:06

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Laboratories		www.GreenAnalytical.com
Energy Inspection Services 479 Wolverine Drive	Project: BTEX TPH Chloride Project Name / Number: Carracas 23A Spill	Reported:
Bayfield CO, 81122	Project Manager: Tanner Paulek	05/16/23 15:28
	Carracas Plot 9-2	

2305061-18 (Soil)									
Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst

Subcontracted -- Cardinal Laboratories 101 East Marland Hobbs, NM 88240

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0	10.0	6.25	mg/kg	1	05/08/23 15:10	8015B	MS
DRO >C10-C28*	<10.0	10.0	4.26	mg/kg	1	05/08/23 15:10	8015B	MS
EXT DRO >C28-C36	<10.0	10.0	4.26	mg/kg	1	05/08/23 15:10	8015B	MS
Surrogate: 1-Chlorooctane			82.8 %	48.2-134		05/08/23 15:10	8015B	MS
Surrogate: 1-Chlorooctadecane			86.0 %	49.1-148		05/08/23 15:10	8015B	MS

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Energy Inspection Services	Project: BTEX TPH Chloride	
479 Wolverine Drive	Project Name / Number: Carracas 23A Spill	Reported:
Bayfield CO, 81122	Project Manager: Tanner Paulek	05/16/23 15:28
L.		

Carracas Plot 10-1

		23	05061-19 ((Soil)					
Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst

Subcontracted -- Cardinal Laboratories 101 East Marland Hobbs, NM 88240

Volatile Organic Compounds by EPA Method 8260B 50 05/11/23 16:21 8260B MS Benzene* < 0.025 0.025 0.009 mg/kg < 0.025 50 05/11/23 16:21 8260B 0.025 0.007 mg/kg MS Toluene* 0.004 mg/kg 50 05/11/23 16:21 8260B MS Ethylbenzene* < 0.025 0.025 < 0.075 0.075 0.026 mg/kg 50 05/11/23 16:21 8260B MS **Total Xylenes*** 05/11/23 16:21 8260B **Total BTEX** < 0.150 0.150 0.045 mg/kg 50 MS Surrogate: Dibromofluoromethane 106 % 86.7-111 05/11/23 8260B MS 16:21 Surrogate: Toluene-d8 92.4 % 89.3-110 05/11/23 8260B MS 16:21 Surrogate: 4-Bromofluorobenzene 104 % 05/11/23 8260B MS 88.2-108 16:21

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Energy Inspection Services	Project: BTEX TPH Chloride						
479 Wolverine Drive	Project Name / Number: Carracas 23A Spill	Reported:					
Bayfield CO, 81122	Project Manager: Tanner Paulek	05/16/23 15:28					
Carracas Plot 10-2							

		23	05061-20 (Soil)					
Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst

Subcontracted -- Cardinal Laboratories 101 East Marland Hobbs, NM 88240

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0	10.0	6.25	mg/kg	1	05/08/23 15:34	8015B	MS
DRO >C10-C28*	<10.0	10.0	4.26	mg/kg	1	05/08/23 15:34	8015B	MS
EXT DRO >C28-C36	<10.0	10.0	4.26	mg/kg	1	05/08/23 15:34	8015B	MS
Surrogate: 1-Chlorooctane			81.2 %	48.2-134		05/08/23 15:34	8015B	MS
Surrogate: 1-Chlorooctadecane			81.6 %	49.1-148		05/08/23 15:34	8015B	MS

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Project: BTEX TPH Chloride	
Project Name / Number: Carracas 23A Spill	Reported:
Project Manager: Tanner Paulek	05/16/23 15:28
	Project Name / Number: Carracas 23A Spill

Carracas Plot 11-1

2305061-21 (Soil)										
Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst	

Subcontracted -- Cardinal Laboratories 101 East Marland Hobbs, NM 88240

Volatile Organic Compounds by EPA Method 8260B 50 05/11/23 16:37 8260B MS Benzene* < 0.025 0.025 0.009 mg/kg 50 05/11/23 16:37 8260B < 0.025 0.025 0.007 mg/kg MS Toluene* 0.004 mg/kg 50 05/11/23 16:37 8260B MS Ethylbenzene* < 0.025 0.025 < 0.075 mg/kg 50 05/11/23 16:37 8260B MS **Total Xylenes*** 0.075 0.026 05/11/23 16:37 8260B **Total BTEX** < 0.150 0.150 0.045 mg/kg 50 MS Surrogate: Dibromofluoromethane 101 % 86.7-111 05/11/23 8260B MS 16:37 Surrogate: Toluene-d8 93.9% 89.3-110 05/11/23 8260B MS 16:37 Surrogate: 4-Bromofluorobenzene 05/11/23 8260B 106~%88.2-108 MS 16:37

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Energy Inspection Services	Project: BTEX TPH Chloride							
479 Wolverine Drive	Project Name / Number: Carracas 23A Spill	Reported:						
Bayfield CO, 81122	Project Manager: Tanner Paulek	05/16/23 15:28						
Carracas Plot 11-2								

2305061-22 (Soil) RL Method Analyte Result MDL Units Dilution Analyzed Notes Analyst

Subcontracted -- Cardinal Laboratories 101 East Marland Hobbs, NM 88240

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0	10.0	6.25	mg/kg	1	05/08/23 15:58	8015B	MS
DRO >C10-C28*	<10.0	10.0	4.26	mg/kg	1	05/08/23 15:58	8015B	MS
EXT DRO >C28-C36	<10.0	10.0	4.26	mg/kg	1	05/08/23 15:58	8015B	MS
Surrogate: 1-Chlorooctane			79.2 %	48.2-134		05/08/23 15:58	8015B	MS
Surrogate: 1-Chlorooctadecane			80.3 %	49.1-148		05/08/23 15:58	8015B	MS

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Energy Inspection Services	Project: BTEX TPH Chloride	
479 Wolverine Drive	Project Name / Number: Carracas 23A Spill	Reported:
Bayfield CO, 81122	Project Manager: Tanner Paulek	05/16/23 15:28

Carracas Plot 12-1

2305061-23 (Soil)										
Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst	

Subcontracted -- Cardinal Laboratories 101 East Marland Hobbs, NM 88240

Volatile Organic Compounds by EPA Method 8260B 50 05/11/23 16:52 8260B MS Benzene* < 0.025 0.025 0.009 mg/kg < 0.025 50 05/11/23 16:52 8260B 0.025 0.007 mg/kg MS Toluene* 0.004 mg/kg 50 05/11/23 16:52 8260B MS Ethylbenzene* < 0.025 0.025 < 0.075 0.075 mg/kg 50 05/11/23 16:52 8260B MS **Total Xylenes*** 0.026 05/11/23 16:52 8260B **Total BTEX** < 0.150 0.150 0.045 mg/kg 50 MS Surrogate: Dibromofluoromethane 101 % 86.7-111 05/11/23 8260B MS 16:52 Surrogate: Toluene-d8 95.4 % 89.3-110 05/11/23 8260B MS 16:52 Surrogate: 4-Bromofluorobenzene 101 % 05/11/23 8260B 88.2-108 MS 16:52

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Energy Inspection Services	Project: BTEX TPH Chloride							
479 Wolverine Drive	Project Name / Number: Carracas 23A Spill	Reported:						
Bayfield CO, 81122	Project Manager: Tanner Paulek	05/16/23 15:28						
Carracas Plot 12-2								

		23	05061-24 ((Soil)					
Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst

Subcontracted -- Cardinal Laboratories 101 East Marland Hobbs, NM 88240

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0	10.0	6.25	mg/kg	1	05/08/23 16:22	8015B	MS
DRO >C10-C28*	<10.0	10.0	4.26	mg/kg	1	05/08/23 16:22	8015B	MS
EXT DRO >C28-C36	<10.0	10.0	4.26	mg/kg	1	05/08/23 16:22	8015B	MS
Surrogate: 1-Chlorooctane			80.3 %	48.2-134		05/08/23 16:22	8015B	MS
Surrogate: 1-Chlorooctadecane			82.7 %	49.1-148		05/08/23 16:22	8015B	MS

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Energy Inspection Services	Project: BTEX TPH Chloride	
479 Wolverine Drive	Project Name / Number: Carracas 23A Spill	Reported:
Bayfield CO, 81122	Project Manager: Tanner Paulek	05/16/23 15:28

Carracas Plot 13-1

2305061-25 (Soil)									
Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst

Subcontracted -- Cardinal Laboratories 101 East Marland Hobbs, NM 88240

Volatile Organic Compounds by EPA M	ethod 8260B							
Benzene*	< 0.025	0.025	0.009	mg/kg	50	05/11/23 17:07	8260B	MS
Toluene*	< 0.025	0.025	0.007	mg/kg	50	05/11/23 17:07	8260B	MS
Ethylbenzene*	< 0.025	0.025	0.004	mg/kg	50	05/11/23 17:07	8260B	MS
Total Xylenes*	< 0.075	0.075	0.026	mg/kg	50	05/11/23 17:07	8260B	MS
Total BTEX	< 0.150	0.150	0.045	mg/kg	50	05/11/23 17:07	8260B	MS
Surrogate: Dibromofluoromethane			110 %	86.7-111		05/11/23 17:07	8260B	MS
Surrogate: Toluene-d8			93.5 %	89.3-110		05/11/23 17:07	8260B	MS
Surrogate: 4-Bromofluorobenzene			101 %	88.2-108		05/11/23 17:07	8260B	MS

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Energy Inspection Services	Project: BTEX TPH Chloride						
479 Wolverine Drive	Project Name / Number: Carracas 23A Spill	Reported:					
Bayfield CO, 81122	Project Manager: Tanner Paulek	05/16/23 15:28					
Carracas Plot 13-2							

		23	05061-26 ((Soil)					
Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst

Subcontracted -- Cardinal Laboratories 101 East Marland Hobbs, NM 88240

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0	10.0	6.25	mg/kg	1	05/08/23 16:47	8015B	MS
DRO >C10-C28*	<10.0	10.0	4.26	mg/kg	1	05/08/23 16:47	8015B	MS
EXT DRO >C28-C36	<10.0	10.0	4.26	mg/kg	1	05/08/23 16:47	8015B	MS
Surrogate: 1-Chlorooctane			78.5 %	48.2-134		05/08/23 16:47	8015B	MS
Surrogate: 1-Chlorooctadecane			79.3 %	49.1-148		05/08/23 16:47	8015B	MS

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Energy Inspection Services	Project: BTEX TPH Chloride	
479 Wolverine Drive	Project Name / Number: Carracas 23A Spill	Reported:
Bayfield CO, 81122	Project Manager: Tanner Paulek	05/16/23 15:28
-		

Carracas Plot 14-1

2305061-27 (Soil)									
Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst

Subcontracted -- Cardinal Laboratories 101 East Marland Hobbs, NM 88240

Volatile Organic Compounds by EPA Method 8260B 50 05/11/23 17:22 8260B MS Benzene* < 0.025 0.025 0.009 mg/kg 50 05/11/23 17:22 8260B 0.035 0.025 0.007 mg/kg MS Toluene* Ethylbenzene* < 0.025 0.025 0.004 mg/kg 50 05/11/23 17:22 8260B MS < 0.075 0.075 0.026 mg/kg 50 05/11/23 17:22 8260B MS **Total Xylenes*** < 0.150 0.150 0.045 50 05/11/23 17:22 8260B MS **Total BTEX** mg/kg Surrogate: Dibromofluoromethane 105 % 86.7-111 05/11/23 8260B MS 17:22 05/11/23 Surrogate: Toluene-d8 94.2 % 89.3-110 8260B MS 17:22 05/11/23 8260B MS Surrogate: 4-Bromofluorobenzene 100 % 88.2-108 17:22

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Energy Inspection Services	Project: BTEX TPH Chloride					
479 Wolverine Drive	Project Name / Number: Carracas 23A Spill	Reported:				
Bayfield CO, 81122	Project Manager: Tanner Paulek	05/16/23 15:28				
Carracas Plot 14-2						

		23	05061-28 ((Soil)					
Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst

Subcontracted -- Cardinal Laboratories 101 East Marland Hobbs, NM 88240

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0	10.0	6.25	mg/kg	1	05/08/23 17:11	8015B	MS
DRO >C10-C28*	<10.0	10.0	4.26	mg/kg	1	05/08/23 17:11	8015B	MS
EXT DRO >C28-C36	<10.0	10.0	4.26	mg/kg	1	05/08/23 17:11	8015B	MS
Surrogate: 1-Chlorooctane			77.9 %	48.2-134		05/08/23 17:11	8015B	MS
Surrogate: 1-Chlorooctadecane			77.9 %	49.1-148		05/08/23 17:11	8015B	MS

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Energy Inspection Services	Project: BTEX TPH Chloride	
479 Wolverine Drive	Project Name / Number: Carracas 23A Spill	Reported:
Bayfield CO, 81122	Project Manager: Tanner Paulek	05/16/23 15:28
-		

Carracas Plot 15-1

		23	05061-29 ((Soil)					
Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst

Subcontracted -- Cardinal Laboratories 101 East Marland Hobbs, NM 88240

Volatile Organic Compounds by EPA Method 8260B 50 05/11/23 17:38 8260B MS Benzene* < 0.025 0.025 0.009 mg/kg < 0.025 50 05/11/23 17:38 8260B 0.025 0.007 mg/kg MS Toluene* 0.004 mg/kg 50 05/11/23 17:38 8260B MS Ethylbenzene* < 0.025 0.025 < 0.075 0.075 mg/kg 50 05/11/23 17:38 8260B MS **Total Xylenes*** 0.026 05/11/23 17:38 8260B **Total BTEX** < 0.150 0.150 0.045 mg/kg 50 MS Surrogate: Dibromofluoromethane 102 % 86.7-111 05/11/23 8260B MS 17:38 Surrogate: Toluene-d8 94.0 % 89.3-110 05/11/23 8260B MS 17:38 Surrogate: 4-Bromofluorobenzene 101 % 05/11/23 8260B 88.2-108 MS 17:38

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Energy Inspection Services	Project: BTEX TPH Chloride					
479 Wolverine Drive	Project Name / Number: Carracas 23A Spill	Reported:				
Bayfield CO, 81122	Project Manager: Tanner Paulek	05/16/23 15:28				
Carracas Plot 15-2						

		23	05061-30 (Soil)					
Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst

Subcontracted -- Cardinal Laboratories 101 East Marland Hobbs, NM 88240

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0	10.0	6.25	mg/kg	1	05/08/23 17:37	8015B	MS
DRO >C10-C28*	<10.0	10.0	4.26	mg/kg	1	05/08/23 17:37	8015B	MS
EXT DRO >C28-C36	<10.0	10.0	4.26	mg/kg	1	05/08/23 17:37	8015B	MS
Surrogate: 1-Chlorooctane			76.8 %	48.2-134		05/08/23 17:37	8015B	MS
Surrogate: 1-Chlorooctadecane			76.5 %	49.1-148		05/08/23 17:37	8015B	MS

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Energy Inspection Services	Project: BTEX TPH Chloride	
479 Wolverine Drive	Project Name / Number: Carracas 23A Spill	Reported:
Bayfield CO, 81122	Project Manager: Tanner Paulek	05/16/23 15:28

Carracas Plot 16-1

		23	05061-31 (Soil)					
Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst

Subcontracted -- Cardinal Laboratories 101 East Marland Hobbs, NM 88240

Volatile Organic Compounds by EPA Method 8260B

Benzene*	0.071	0.025	0.009	mg/kg	50	05/11/23 17:54	8260B	MS
Toluene*	0.787	0.025	0.007	mg/kg	50	05/11/23 17:54	8260B	MS
Ethylbenzene*	0.097	0.025	0.004	mg/kg	50	05/11/23 17:54	8260B	MS
Total Xylenes*	1.41	0.075	0.026	mg/kg	50	05/11/23 17:54	8260B	MS
Total BTEX	2.37	0.150	0.045	mg/kg	50	05/11/23 17:54	8260B	MS
Surrogate: Dibromofluoromethane			100 %	86.7-111		05/11/23 17:54	8260B	MS
Surrogate: Toluene-d8			96.5 %	89.3-110		05/11/23 17:54	8260B	MS
Surrogate: 4-Bromofluorobenzene			104 %	88.2-108		05/11/23 17:54	8260B	MS

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Energy Inspection Services	Project: BTEX TPH Chloride					
479 Wolverine Drive	Project Name / Number: Carracas 23A Spill	Reported:				
Bayfield CO, 81122	Project Manager: Tanner Paulek	05/16/23 15:28				
Carracas Plot 16-2						

		23	05061-32 ((Soil)					
Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst

Subcontracted -- Cardinal Laboratories 101 East Marland Hobbs, NM 88240

Petroleum Hydrocarbons by GC FID

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GRO C6-C10*	10.6	10.0	6.25	mg/kg	1	05/08/23 18:01	8015B	MS
DRO >C10-C28*	19.3	10.0	4.26	mg/kg	1	05/08/23 18:01	8015B	MS
EXT DRO >C28-C36	<10.0	10.0	4.26	mg/kg	1	05/08/23 18:01	8015B	MS
Surrogate: 1-Chlorooctane			76.6 %	48.2-134		05/08/23 18:01	8015B	MS
Surrogate: 1-Chlorooctadecane			77.6 %	<i>49.1-148</i>		05/08/23 18:01	8015B	MS

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Energy Inspection Services	Project: BTEX TPH Chloride	
479 Wolverine Drive	Project Name / Number: Carracas 23A Spill	Reported:
Bayfield CO, 81122	Project Manager: Tanner Paulek	05/16/23 15:28

Carracas Plot 17-1

2305061-33 (Soil)									
Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst

Subcontracted -- Cardinal Laboratories 101 East Marland Hobbs, NM 88240

Volatile Organic Compounds by EPA Method 8260B 50 05/11/23 18:09 8260B MS Benzene* < 0.025 0.025 0.009 mg/kg 50 8260B < 0.025 0.025 0.007 mg/kg 05/11/23 18:09 MS Toluene* 0.004 mg/kg 50 05/11/23 18:09 8260B MS Ethylbenzene* < 0.025 0.025 < 0.075 0.075 mg/kg 50 05/11/23 18:09 8260B MS **Total Xylenes*** 0.026 05/11/23 18:09 8260B **Total BTEX** < 0.150 0.150 0.045 mg/kg 50 MS Surrogate: Dibromofluoromethane 112 % 86.7-111 05/11/23 8260B S-05 MS 18:09 Surrogate: Toluene-d8 94.1 % 89.3-110 05/11/23 8260B MS 18:09 Surrogate: 4-Bromofluorobenzene 103 % 05/11/23 8260B MS 88.2-108 18:09

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		•					
Energy Inspection Services	Project: BTEX TPH Chloride						
479 Wolverine Drive	Project Name / Number: Carracas 23A Spill	Reported:					
Bayfield CO, 81122	Project Manager: Tanner Paulek	05/16/23 15:28					
Carracas Plot 17-2							

		23	05061-34 ((Soil)					
Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst

Subcontracted -- Cardinal Laboratories 101 East Marland Hobbs, NM 88240

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0	10.0	6.25	mg/kg	1	05/08/23 18:26	8015B	MS
DRO >C10-C28*	<10.0	10.0	4.26	mg/kg	1	05/08/23 18:26	8015B	MS
EXT DRO >C28-C36	<10.0	10.0	4.26	mg/kg	1	05/08/23 18:26	8015B	MS
Surrogate: 1-Chlorooctane			69.9 %	48.2-134		05/08/23 18:26	8015B	MS
Surrogate: 1-Chlorooctadecane			69.0 %	49.1-148		05/08/23 18:26	8015B	MS

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MS

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Energy Inspection Services	Project: BTEX TPH Chloride	
479 Wolverine Drive	Project Name / Number: Carracas 23A Spill	Reported:
Bayfield CO, 81122	Project Manager: Tanner Paulek	05/16/23 15:28

Carracas Plot 18-1

		23	05061-35 (Soil)					
Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst

Subcontracted -- Cardinal Laboratories 101 East Marland Hobbs, NM 88240

Volatile Organic Compounds by EPA Method 8260B 50 05/11/23 18:24 8260B Benzene* < 0.025 0.025 0.009 mg/kg 50 05/11/23 18:24 8260B 0.065 0.025 0.007 mg/kg Toluene* Ethylbenzene* < 0.025 0.025 0.004 mg/kg 50 05/11/23 18:24 8260B 0.094 0.075 0.026 mg/kg 50 05/11/23 18:24 8260B **Total Xylenes* Total BTEX** 0.159 0.150 0.045 mg/kg 50 05/11/23 18:24 8260B 05/11/23 8260B Surrogate: Dibromofluoromethane 103 % 86.7-111 18:24 Surrogate: Toluene-d8 96.7 % 89.3-110 05/11/23 8260B 18:24

103 %

88.2-108

Surrogate: 4-Bromofluorobenzene

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05/11/23

18:24

8260B



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		•					
Energy Inspection Services	Project: BTEX TPH Chloride						
479 Wolverine Drive	Project Name / Number: Carracas 23A Spill	Reported:					
Bayfield CO, 81122	05/16/23 15:28						
Carracas Plot 18-2							

		23	05061-36 ((Soil)					
Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst

Subcontracted -- Cardinal Laboratories 101 East Marland Hobbs, NM 88240

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0	10.0	6.25	mg/kg	1	05/08/23 18:51	8015B	MS
DRO >C10-C28*	<10.0	10.0	4.26	mg/kg	1	05/08/23 18:51	8015B	MS
EXT DRO >C28-C36	<10.0	10.0	4.26	mg/kg	1	05/08/23 18:51	8015B	MS
Surrogate: 1-Chlorooctane			75.7 %	48.2-134		05/08/23 18:51	8015B	MS
Surrogate: 1-Chlorooctadecane			74.8 %	49.1-148		05/08/23 18:51	8015B	MS

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Energy Inspection Services	Project: BTEX TPH Chloride	
479 Wolverine Drive	Project Name / Number: Carracas 23A Spill	Reported:
Bayfield CO, 81122	Project Manager: Tanner Paulek	05/16/23 15:28

Carracas Plot 19-1

2305061-37 (Soil)									
Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst

Subcontracted -- Cardinal Laboratories 101 East Marland Hobbs, NM 88240

Volatile Organic Compounds by EPA Method 8260B 50 05/11/23 18:40 8260B MS Benzene* < 0.025 0.025 0.009 mg/kg < 0.025 50 05/11/23 18:40 8260B 0.025 0.007 mg/kg MS Toluene* 0.004 mg/kg 50 05/11/23 18:40 8260B MS Ethylbenzene* < 0.025 0.025 < 0.075 0.075 mg/kg 50 05/11/23 18:40 8260B MS **Total Xylenes*** 0.026 05/11/23 18:40 8260B **Total BTEX** < 0.150 0.150 0.045 mg/kg 50 MS Surrogate: Dibromofluoromethane 112 % 86.7-111 05/11/23 8260B S-05 MS 18:40 Surrogate: Toluene-d8 95.7% 89.3-110 05/11/23 8260B MS 18:40 Surrogate: 4-Bromofluorobenzene 104 % 05/11/23 8260B MS 88.2-108 18:40

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		•						
Energy Inspection Services	Project: BTEX TPH Chloride							
479 Wolverine Drive	Project Name / Number: Carracas 23A Spill	Reported:						
Bayfield CO, 81122	Project Manager: Tanner Paulek	05/16/23 15:28						
	Carracas Plot 19-2							

		23	05061-38 ((Soil)					
Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst

Subcontracted -- Cardinal Laboratories 101 East Marland Hobbs, NM 88240

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0	10.0	6.25	mg/kg	1	05/08/23 19:15	8015B	MS
DRO >C10-C28*	<10.0	10.0	4.26	mg/kg	1	05/08/23 19:15	8015B	MS
EXT DRO >C28-C36	<10.0	10.0	4.26	mg/kg	1	05/08/23 19:15	8015B	MS
Surrogate: 1-Chlorooctane			77.7 %	48.2-134		05/08/23 19:15	8015B	MS
Surrogate: 1-Chlorooctadecane			79.8 %	49.1 - 148		05/08/23 19:15	8015B	MS

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Energy Inspection Services	Project: BTEX TPH Chloride	
479 Wolverine Drive	Project Name / Number: Carracas 23A Spill	Reported:
Bayfield CO, 81122	Project Manager: Tanner Paulek	05/16/23 15:28
-		

Carracas Plot 20-1

2305061-39 (Soil)										
Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst	

Subcontracted -- Cardinal Laboratories 101 East Marland Hobbs, NM 88240

Volatile Organic Compounds by EPA Method 8260B 05/11/23 18:56 50 8260B MS Benzene* < 0.025 0.025 0.009 mg/kg < 0.025 50 05/11/23 18:56 8260B 0.025 0.007 mg/kg MS Toluene* 0.004 mg/kg 50 05/11/23 18:56 8260B MS Ethylbenzene* < 0.025 0.025 < 0.075 0.075 0.026 mg/kg 50 05/11/23 18:56 8260B MS **Total Xylenes*** 05/11/23 18:56 8260B **Total BTEX** < 0.150 0.150 0.045 mg/kg 50 MS Surrogate: Dibromofluoromethane 105 % 86.7-111 05/11/23 8260B MS 18:56 Surrogate: Toluene-d8 97.9% 89.3-110 05/11/23 8260B MS 18:56 Surrogate: 4-Bromofluorobenzene 104 % 05/11/23 8260B 88.2-108 MS 18:56

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Energy Inspection Services	Project: BTEX TPH Chloride	
479 Wolverine Drive	Project Name / Number: Carracas 23A Spill	Reported:
Bayfield CO, 81122	Project Manager: Tanner Paulek	05/16/23 15:28
	Carracas Plot 20-2	

		23	605061-40 (Soil)					
Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst

Subcontracted -- Cardinal Laboratories 101 East Marland Hobbs, NM 88240

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0	10.0	6.25	mg/kg	1	05/08/23 19:39	8015B	MS
DRO >C10-C28*	39.2	10.0	4.26	mg/kg	1	05/08/23 19:39	8015B	MS
EXT DRO >C28-C36	13.4	10.0	4.26	mg/kg	1	05/08/23 19:39	8015B	MS
Surrogate: 1-Chlorooctane			73.1 %	48.2-134		05/08/23 19:39	8015B	MS
Surrogate: 1-Chlorooctadecane			73.8 %	49.1-148		05/08/23 19:39	8015B	MS

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Energy Inspection Services	Project: BTEX TPH Chloride	
479 Wolverine Drive	Project Name / Number: Carracas 23A Spill	Reported:
Bayfield CO, 81122	Project Manager: Tanner Paulek	05/16/23 15:28

Carracas Plot 21-1

2305061-41 (Soil)										
Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst	

Subcontracted -- Cardinal Laboratories 101 East Marland Hobbs, NM 88240

Volatile Organic Compounds by EPA Method 8260B

Benzene*	< 0.025	0.025	0.009	mg/kg	50	05/11/23 21:12	8260B		MS
Toluene*	0.061	0.025	0.007	mg/kg	50	05/11/23 21:12	8260B		MS
Ethylbenzene*	< 0.025	0.025	0.004	mg/kg	50	05/11/23 21:12	8260B		MS
Total Xylenes*	0.127	0.075	0.026	mg/kg	50	05/11/23 21:12	8260B		MS
Total BTEX	0.188	0.150	0.045	mg/kg	50	05/11/23 21:12	8260B		MS
Surrogate: Dibromofluoromethane			114 %	86.7-111		05/11/23 21:12	8260B	S-05	MS
Surrogate: Toluene-d8			93.7%	89.3-110		05/11/23 21:12	8260B		MS
Surrogate: 4-Bromofluorobenzene			98.7 %	88.2-108		05/11/23 21:12	8260B		MS

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Energy Inspection Services	Project: BTEX TPH Chloride	
479 Wolverine Drive	Project Name / Number: Carracas 23A Spill	Reported:
Bayfield CO, 81122	Project Manager: Tanner Paulek	05/16/23 15:28
	Carracas Plot 21-2	

		23	05061-42 ((Soil)					
Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst

Subcontracted -- Cardinal Laboratories 101 East Marland Hobbs, NM 88240

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0	10.0	6.25	mg/kg	1	05/08/23 12:25	8015B	MS
DRO >C10-C28*	11.4	10.0	4.26	mg/kg	1	05/08/23 12:25	8015B	MS
EXT DRO >C28-C36	<10.0	10.0	4.26	mg/kg	1	05/08/23 12:25	8015B	MS
Surrogate: 1-Chlorooctane			82.9 % 4	48.2-134		05/08/23 12:25	8015B	MS
Surrogate: 1-Chlorooctadecane			88.7 % 4	49.1-148		05/08/23 12:25	8015B	MS

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Energy Inspection Services	Project: BTEX TPH Chloride	
479 Wolverine Drive	Project Name / Number: Carracas 23A Spill	Reported:
Bayfield CO, 81122	Project Manager: Tanner Paulek	05/16/23 15:28

Carracas Plot 22-1

2305061-43 (Soil)									
Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst

Subcontracted -- Cardinal Laboratories 101 East Marland Hobbs, NM 88240

Volatile Organic Compounds by EPA Method 8260B 50 05/11/23 21:28 8260B MS Benzene* < 0.025 0.025 0.009 mg/kg 50 05/11/23 21:28 8260B 0.028 0.025 0.007 mg/kg MS Toluene* Ethylbenzene* < 0.025 0.025 0.004 mg/kg 50 05/11/23 21:28 8260B MS < 0.075 0.075 0.026 mg/kg 50 05/11/23 21:28 8260B MS **Total Xylenes*** < 0.150 0.045 50 05/11/23 21:28 8260B MS **Total BTEX** 0.150 mg/kg Surrogate: Dibromofluoromethane 107 % 86.7-111 05/11/23 8260B MS 21:28 05/11/23 Surrogate: Toluene-d8 96.6 % 89.3-110 8260B MS 21:28 05/11/23 8260B MS Surrogate: 4-Bromofluorobenzene 99.5 % 88.2-108 21:28

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Laboratories		www.GreenAnalytical.com						
Energy Inspection Services	Project: BTEX TPH Chloride							
479 Wolverine Drive	Project Name / Number: Carracas 23A Spill	Reported:						
Bayfield CO, 81122	Project Manager: Tanner Paulek	05/16/23 15:28						
	Carracas Plot 22-2							

		23	05061-44 ((Soil)					
Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst

Subcontracted -- Cardinal Laboratories 101 East Marland Hobbs, NM 88240

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0	10.0	6.25	mg/kg	1	05/08/23 12:49	8015B	MS
DRO >C10-C28*	<10.0	10.0	4.26	mg/kg	1	05/08/23 12:49	8015B	MS
EXT DRO >C28-C36	<10.0	10.0	4.26	mg/kg	1	05/08/23 12:49	8015B	MS
Surrogate: 1-Chlorooctane			88.2 % 4	48.2-134		05/08/23 12:49	8015B	MS
Surrogate: 1-Chlorooctadecane			95.5 % 4	49.1-148		05/08/23 12:49	8015B	MS

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Energy Inspection Services	Project: BTEX TPH Chloride	
479 Wolverine Drive	Project Name / Number: Carracas 23A Spill	Reported:
Bayfield CO, 81122	Project Manager: Tanner Paulek	05/16/23 15:28

Carracas Control 3-1

		23	05061-45 ((Soil)					
Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst

Subcontracted -- Cardinal Laboratories 101 East Marland Hobbs, NM 88240

Volatile Organic Compounds by EPA Method 8260B

Benzene*	< 0.025	0.025	0.009	mg/kg	50	05/11/23 21:43	8260B	MS
Toluene*	< 0.025	0.025	0.007	mg/kg	50	05/11/23 21:43	8260B	MS
Ethylbenzene*	< 0.025	0.025	0.004	mg/kg	50	05/11/23 21:43	8260B	MS
Total Xylenes*	< 0.075	0.075	0.026	mg/kg	50	05/11/23 21:43	8260B	MS
Total BTEX	< 0.150	0.150	0.045	mg/kg	50	05/11/23 21:43	8260B	MS
Surrogate: Dibromofluoromethane			101 %	86.7-111		05/11/23 21:43	8260B	MS
Surrogate: Toluene-d8			94.8 %	89.3-110		05/11/23 21:43	8260B	MS
Surrogate: 4-Bromofluorobenzene			100 %	88.2-108		05/11/23	8260B	MS

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jeremy.allen@greenanalytical.com p: 970.247.4220 f: 970.247.4227 75 Suttle Street Durango, CO 81303

Energy Inspection Services	Project: BTEX TPH Chloride				
479 Wolverine Drive	Project Name / Number: Carracas 23A Spill	Reported:			
Bayfield CO, 81122	Project Manager: Tanner Paulek	05/16/23 15:28			
Carracas Control 3-2					

2305061-46 (Soil) Analyte Result RL MDL Units Dilution Analyzed Method Notes Analyst

Subcontracted -- Cardinal Laboratories 101 East Marland Hobbs, NM 88240

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0	10.0	6.25	mg/kg	1	05/08/23 13:14	8015B	MS
DRO >C10-C28*	<10.0	10.0	4.26	mg/kg	1	05/08/23 13:14	8015B	MS
EXT DRO >C28-C36	<10.0	10.0	4.26	mg/kg	1	05/08/23 13:14	8015B	MS
Surrogate: 1-Chlorooctane			84.3 %	48.2-134		05/08/23 13:14	8015B	MS
Surrogate: 1-Chlorooctadecane			92.3 %	49.1-148		05/08/23 13:14	8015B	MS

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Energy Inspection Services	Project: BTEX TPH Chloride
479 Wolverine Drive Project Na	me / Number: Carracas 23A Spill Reported:
Bayfield CO, 81122 Pro	ject Manager: Tanner Paulek 05/16/23 15:28

Carracas Control 4-1

		23	05061-47 ((Soil)					
Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst

Subcontracted -- Cardinal Laboratories 101 East Marland Hobbs, NM 88240

Volatile Organic Compounds by EPA Method 8260B 50 05/11/23 21:59 8260B MS Benzene* < 0.025 0.025 0.009 mg/kg 50 05/11/23 21:59 8260B < 0.025 0.025 0.007 mg/kg MS Toluene* 0.004 mg/kg 50 05/11/23 21:59 8260B MS Ethylbenzene* < 0.025 0.025 < 0.075 mg/kg 50 05/11/23 21:59 8260B MS **Total Xylenes*** 0.075 0.026 05/11/23 21:59 8260B **Total BTEX** < 0.150 0.150 0.045 mg/kg 50 MS Surrogate: Dibromofluoromethane 104 % 86.7-111 05/11/23 8260B MS 21:59 Surrogate: Toluene-d8 95.5 % 89.3-110 05/11/23 8260B MS 21:59 Surrogate: 4-Bromofluorobenzene 102 % 05/11/23 8260B 88.2-108 MS 21:59

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Energy Inspection Services	Project: BTEX TPH Chloride				
479 Wolverine Drive	Project Name / Number: Carracas 23A Spill	Reported:			
Bayfield CO, 81122	Project Manager: Tanner Paulek	05/16/23 15:28			
Carracas Control 4-2					

2305061-48 (Soil) Analyte Result RL MDL Units Dilution Analyzed Method Notes Analyst

Subcontracted -- Cardinal Laboratories 101 East Marland Hobbs, NM 88240

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0	10.0	6.25	mg/kg	1	05/08/23 13:38	8015B	MS
DRO >C10-C28*	<10.0	10.0	4.26	mg/kg	1	05/08/23 13:38	8015B	MS
EXT DRO >C28-C36	<10.0	10.0	4.26	mg/kg	1	05/08/23 13:38	8015B	MS
Surrogate: 1-Chlorooctane			72.5 %	48.2-134		05/08/23 13:38	8015B	MS
Surrogate: 1-Chlorooctadecane			78.5 %	49.1-148		05/08/23 13:38	8015B	MS

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Energy Inspection Services	Project: BTEX TPH Chloride
479 Wolverine Drive Project Na	me / Number: Carracas 23A Spill Reported:
Bayfield CO, 81122 Pro	ject Manager: Tanner Paulek 05/16/23 15:28

Carracas Control 1-1

2305061-49 (Soil)									
Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst

Subcontracted -- Cardinal Laboratories 101 East Marland Hobbs, NM 88240

Volatile Organic Compounds by EPA Method 8260B 50 05/11/23 22:14 8260B MS Benzene* < 0.025 0.025 0.009 mg/kg 50 05/11/23 22:14 8260B < 0.025 0.025 0.007 mg/kg MS Toluene* 0.004 mg/kg 50 05/11/23 22:14 8260B MS Ethylbenzene* < 0.025 0.025 < 0.075 mg/kg 50 05/11/23 22:14 8260B MS **Total Xylenes*** 0.075 0.026 05/11/23 22:14 8260B **Total BTEX** < 0.150 0.150 0.045 mg/kg 50 MS Surrogate: Dibromofluoromethane 109 % 86.7-111 05/11/23 8260B MS 22:14 Surrogate: Toluene-d8 97.1% 89.3-110 05/11/23 8260B MS 22:14 Surrogate: 4-Bromofluorobenzene 97.3 % 05/11/23 8260B 88.2-108 MS 22:14

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		·			
Energy Inspection Services	Project: BTEX TPH Chloride				
479 Wolverine Drive	Project Name / Number: Carracas 23A Spill	Reported:			
Bayfield CO, 81122	Project Manager: Tanner Paulek	05/16/23 15:28			
Carracas Control 1-2					

2305061-50 (Soil) Analyte Result RL MDL Units Dilution Analyzed Method Notes Analyst

Subcontracted -- Cardinal Laboratories 101 East Marland Hobbs, NM 88240

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0	10.0	6.25	mg/kg	1	05/08/23 14:03	8015B	MS
DRO >C10-C28*	<10.0	10.0	4.26	mg/kg	1	05/08/23 14:03	8015B	MS
EXT DRO >C28-C36	<10.0	10.0	4.26	mg/kg	1	05/08/23 14:03	8015B	MS
Surrogate: 1-Chlorooctane			87.8 %	48.2-134		05/08/23 14:03	8015B	MS
Surrogate: 1-Chlorooctadecane			97.5 %	49.1-148		05/08/23 14:03	8015B	MS

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Energy Inspection Services	Project: BTEX TPH Chloride	
479 Wolverine Drive	Project Name / Number: Carracas 23A Spill	Reported:
Bayfield CO, 81122	Project Manager: Tanner Paulek	05/16/23 15:28

Carracas Control 2-1

		23	05061-51 ((Soil)					
Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst

Subcontracted -- Cardinal Laboratories 101 East Marland Hobbs, NM 88240

Volatile Organic Compounds by EPA Method 8260B 50 05/11/23 22:29 8260B MS Benzene* < 0.025 0.025 0.009 mg/kg 50 05/11/23 22:29 8260B < 0.025 0.025 0.007 mg/kg MS Toluene* 0.004 mg/kg 50 05/11/23 22:29 8260B MS Ethylbenzene* < 0.025 0.025 < 0.075 mg/kg 50 05/11/23 22:29 8260B MS **Total Xylenes*** 0.075 0.026 05/11/23 22:29 8260B **Total BTEX** < 0.150 0.150 0.045 mg/kg 50 MS Surrogate: Dibromofluoromethane 107 % 86.7-111 05/11/23 8260B MS 22:29 Surrogate: Toluene-d8 100~%89.3-110 05/11/23 8260B MS 22:29 Surrogate: 4-Bromofluorobenzene 103 % 05/11/23 8260B 88.2-108 MS 22:29

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		•
Energy Inspection Services	Project: BTEX TPH Chloride	
479 Wolverine Drive	Project Name / Number: Carracas 23A Spill	Reported:
Bayfield CO, 81122	Project Manager: Tanner Paulek	05/16/23 15:28
	Carracas Control 2-2	

2305061-52 (Soil) Analyte Result RL MDL Units Dilution Analyzed Method Notes Analyst

Subcontracted -- Cardinal Laboratories 101 East Marland Hobbs, NM 88240

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0	10.0	6.25	mg/kg	1	05/08/23 14:28	8015B	MS
DRO >C10-C28*	<10.0	10.0	4.26	mg/kg	1	05/08/23 14:28	8015B	MS
EXT DRO >C28-C36	<10.0	10.0	4.26	mg/kg	1	05/08/23 14:28	8015B	MS
Surrogate: 1-Chlorooctane			87.0 %	48.2-134		05/08/23 14:28	8015B	MS
Surrogate: 1-Chlorooctadecane			95.5 %	49.1-148		05/08/23 14:28	8015B	MS

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Energy Inspection Services	Project: BTEX TPH Chloride	
479 Wolverine Drive	Project Name / Number: Carracas 23A Spill	Reported:
Bayfield CO, 81122	Project Manager: Tanner Paulek	05/16/23 15:28
	Carracas Control 1	
	2305061-53 (Soil)	

Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst
General Chemistry									
% Dry Solids	90.3			%	1	05/10/23 13:54	EPA160.3/1684		KRW
Soluble (DI Water Extraction)									
Chloride	<11.1	11.1	0.615	mg/kg dry	10	05/15/23 13:49	EPA300.0		AWG

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Dayneid CO, 01122	riojeet manager. Tallier Fauler	03/10/23 13:20
Bayfield CO, 81122	Project Manager: Tanner Paulek	05/16/23 15:28
479 Wolverine Drive	Project Name / Number: Carracas 23A Spill	Reported:
Energy Inspection Services	Project: BTEX TPH Chloride	

2305061-54 (Soil)									
Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst
General Chemistry									
% Dry Solids	90.1			%	1	05/10/23 13:54	EPA160.3/1684		KRW
Soluble (DI Water Extraction)									
Chloride	<11.1	11.1	0.616	mg/kg dry	10	05/15/23 14:52	EPA300.0		AWG

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	, ,	
Bayfield CO, 81122	Project Manager: Tanner Paulek	05/16/23 15:28
479 Wolverine Drive	Project Name / Number: Carracas 23A Spill	Reported:
Energy Inspection Services	Project: BTEX TPH Chloride	

		23	02001-22 ((501)					
Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst
General Chemistry									
% Dry Solids	89.6			%	1	05/10/23 13:54	EPA160.3/1684		KRW
Soluble (DI Water Extraction)									
Chloride	<11.2	11.2	0.620	mg/kg dry	10	05/15/23 15:54	EPA300.0		AWG

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Reported:
05/16/23 15:28

2305061-56 (Soil)									
Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst
General Chemistry									
% Dry Solids	91.3			%	1	05/10/23 13:54	EPA160.3/1684		KRW
Soluble (DI Water Extraction)									
Chloride	<11.0	11.0	0.608	mg/kg dry	10	05/15/23 16:15	EPA300.0		AWG

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Soluble (DI Water Extraction)

Chloride

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10

05/15/23 16:36

EPA300.0

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Energy Inspection Services 479 Wolverine Drive Bayfield CO, 81122	Proje	ct Name / N	Project: BT lumber: Car anager: Tar	rracas 23A	Spill			Report 05/16/23	
		Ca	irracas P	lot 22					
		23	05061-57	(Soil)					
Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst
General Chemistry									
% Dry Solids	90.3			%	1	05/10/23 13:54	EPA160.3/1684		KRW

0.615 mg/kg dry

<11.1

11.1

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10

05/15/23 16:57

EPA300.0

Energy Inspection Services 479 Wolverine Drive Bayfield CO, 81122	Projec		Reported: 05/16/23 15:28						
			arracas Pl						
		23	805061-58 ((5011)					
Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst
General Chemistry									
% Dry Solids	91.3			%	1	05/10/23 13:54	EPA160.3/1684		KRW

0.608 mg/kg dry

<10.9

10.9

Soluble (DI Water Extraction)

Chloride

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10

05/15/23 17:18

EPA300.0

Energy Inspection ServicesProject:BTEX TPH Chloride479 Wolverine DriveProject Name / Number:Carracas 23A Spill									
									ed:
Bayfield CO, 81122		Project M	anager: Tan		05/16/23 15:28				
		Ca	arracas Pl	lot 20					
		23	805061-59 ((Soil)					
Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst
General Chemistry									
% Dry Solids	91.0			%	1	05/10/23 13:54	EPA160.3/1684		KRW

0.610 mg/kg dry

<11.0

11.0

% Dry Solids

Soluble (DI Water Extraction)

Chloride

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Bayfield CO, 81122	Proje	Reported: 05/16/23 15:28									
Carracas Plot 19											
2305061-60 (Soil)											
Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst		

General Chemistry								
% Dry Solids	89.5			%	1	05/10/23 13:54	EPA160.3/1684	KRW
Soluble (DI Water Extraction)								
Chloride	<11.2	11.2	0.621	mg/kg dry	10	05/15/23 17:39	EPA300.0	AWG

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Energy Inspection Services										
479 Wolverine Drive	Proje	Project: BTEX TPH Chloride Project Name / Number: Carracas 23A Spill								
Bayfield CO, 81122			05/16/23 15:28							
Carracas Plot 18										
2305061-61 (Soil)										
Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst	

General Chemistry								
% Dry Solids	90.8			%	1	05/10/23 13:54	EPA160.3/1684	KRW
Soluble (DI Water Extraction)								
Chloride	<11.0	11.0	0.611	mg/kg dry	10	05/15/23 18:00	EPA300.0	AWG

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Energy Inspection Services 479 Wolverine Drive Bayfield CO, 81122	Proje		Reported: 05/16/23 15:28						
		Ca	irracas Pl	ot 17					
2305061-62 (Soil)									
Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst
General Chemistry									
% Dry Solids	82.4			%	1	05/10/23 13:54	EPA160.3/1684		KRW
Soluble (DI Water Extraction)									

Soluble (D1 Water Extraction)							
Chloride	<12.1	12.1	0.674 mg/kg dry	10	05/15/23 18:21	EPA300.0	AWG

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Soluble (DI Water Extraction)

Chloride

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10

05/15/23 18:42

EPA300.0

Energy Inspection Services 479 Wolverine Drive Bayfield CO, 81122	Projec		Reported: 05/16/23 15:28							
Carracas Plot 16										
	2305061-63 (Soil)									
Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst	
General Chemistry										
% Dry Solids	90.4			%	1	05/10/23 13:54	EPA160.3/1684		KRW	

0.614 mg/kg dry

<11.1

11.1

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Energy Inspection ServicesProject:BTEX TPH Chloride479 Wolverine DriveProject Name / Number:Carracas 23A SpillReported:Bayfield CO, 81122Project Manager:Tanner Paulek05/16/23 15:28											
	Carracas Plot 15										
	2305061-64 (Soil)										
Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst		

General Chemistry								
% Dry Solids	90.6			%	1	05/10/23 13:54	EPA160.3/1684	KRW
Soluble (DI Water Extraction)								
Chloride	<11.0	11.0	0.613	mg/kg dry	10	05/15/23 19:03	EPA300.0	AWG

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Soluble (DI Water Extraction)

Chloride

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10

05/15/23 20:06

EPA300.0

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Energy Inspection Services 479 Wolverine Drive Bayfield CO, 81122	Proje	ct Name / N	Project: BT umber: Car anager: Tar	rracas 23A	Spill			Report 05/16/23	
		Ca	irracas P	lot 14					
		23	05061-65	(Soil)					
Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst
General Chemistry									
% Dry Solids	87.8			%	1	05/10/23 13:54	EPA160.3/1684		KRW

0.632 mg/kg dry

<11.4

11.4

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KRW



% Dry Solids

Salada (DI Watan Fatar dian)

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1

05/10/23 13:54

EPA160.3/1684

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Energy Inspection Services 479 Wolverine Drive	Projec	Reported:									
Bayfield CO, 81122	Project Name / Number: Carracas 23A Spill Project Manager: Tanner Paulek								05/16/23 15:28		
		Ca	rracas Pl	ot 13							
		23	05061-66 ((Soil)							
Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst		

Soluble (D1 water Extraction)							
Chloride	<12.3	12.3	0.683 mg/kg dry	10	05/15/23 20:26	EPA300.0	AWG

%

81.3

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10

05/15/23 20:47

EPA300.0

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Energy Inspection Services			Project: BT	EX TPH Cl	hloride				
79 Wolverine Drive Project Name / Number: Carracas 23A Spill									ed:
Bayfield CO, 81122	ayfield CO, 81122 Project Manager: Tanner Paulek 0								
		Ca	arracas Pl	lot 12					
Γ		23	305061-67 ((Soil)					
Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst
General Chemistry									
% Dry Solids	86.2			%	1	05/10/23 13:54	EPA160.3/1684		KRW

0.644 mg/kg dry

<11.6

11.6

Soluble (DI Water Extraction)

Chloride

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KRW



% Dry Solids

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1

05/10/23 13:54

EPA160.3/1684

Energy Inspection Services 479 Wolverine Drive	•									
Bayfield CO, 81122	05/16/23 15:28									
		Ca	rracas P	lot 11						
		23	05061-68	(Soil)						
Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst	

Soluble (DI Water Extraction)							
Chloride	<12.2	12.2	0.679 mg/kg dry	10	05/15/23 21:08	EPA300.0	AWG

%

81.8

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Energy Inspection Services 479 Wolverine Drive		Reported:							
Bayfield CO, 81122	·	Project M	anager: Tar	ner Paulek				05/16/23	15:28
		Ca	rracas P	lot 10					
		23	05061-69	(Soil)					
Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst
General Chemistry									
% Dry Solids	82.6			%	1	05/10/23 13:54	EPA160.3/1684		KRW

Soluble (DI Water Extraction)							
Chloride	<12.1	12.1	0.673 mg/kg dry	10	05/15/23 21:29	EPA300.0	AWG

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10

05/15/23 21:50

EPA300.0

Energy Inspection Services 479 Wolverine Drive Bayfield CO, 81122	Projec	et Name / N	Project: BTI lumber: Car anager: Tan	racas 23A	Spill			Report 05/16/23	
		C	arracas P	lot 9					
		23	605061-70 ((Soil)					
Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst
General Chemistry									
% Dry Solids	91.2			%	1	05/10/23 13:54	EPA160.3/1684		KRW

0.609 mg/kg dry

13.8

11.0

Soluble (DI Water Extraction)

Chloride

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10

05/15/23 22:11

EPA300.0

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Energy Inspection Services										
479 Wolverine Drive	Projec		Reported:							
Bayfield CO, 81122		Project Manager: Tanner Paulek								
		C	arracas P	lot 8						
		23	05061-71	(Soil)						
Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst	
General Chemistry										
% Dry Solids	89.6			%	1	05/10/23 13:54	EPA160.3/1684		KRW	

0.620 mg/kg dry

<11.2

11.2

Soluble (DI Water Extraction)

Chloride

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Energy Inspection Services 479 Wolverine Drive	Proje		Report	ed:					
Bayfield CO, 81122	Project Name / Number: Carracas 23A Spill Project Manager: Tanner Paulek								15:28
		С	arracas P	lot 7					
		23	605061-72 ((Soil)					
Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst
General Chemistry									
% Dry Solids	90.2			%	1	05/10/23 13:54	EPA160.3/1684		KRW

Soluble (D1 Water Extraction)							
Chloride	<11.1	11.1	0.616 mg/kg dry	10	05/15/23 22:32	EPA300.0	AWG

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Energy Inspection Services 479 Wolverine Drive Bayfield CO, 81122

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Project:	BTEX TPH Chloride	
Project Name / Number:	Carracas 23A Spill	Reported:
Project Manager:	Tanner Paulek	05/16/23 15:28

05/16/23 15:28

Carracas Plot 6

2305061-73 (Soil)												
Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst			
General Chemistry												
% Dry Solids	85.4			%	1	05/10/23 14:16	EPA160.3/1684		KRW			
Soluble (DI Water Extraction)												
Chloride	<11.7	11.7	0.650	mg/kg dry	10	05/16/23 01:19	EPA300.0		AWG			

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479 Wolverine Drive Bayfield CO, 81122	Project: BTEX TPH Chloride Project Name / Number: Carracas 23A Spill Project Manager: Tanner Paulek							Reported: 05/16/23 15:28		
		С	arracas P	lot 5						
		23	05061-74	(Soil)						
Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst	
General Chemistry										
	82.3			%	1	05/10/23 14:16	EPA160.3/1684		KRW	

 Soluble (DI Water Extraction)

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Energy Inspection Services	Project: BTEX TPH Chloride									
479 Wolverine Drive	Project Name / Number: Carracas 23A Spill								ed:	
Bayfield CO, 81122	Project Manager: Tanner Paulek							05/16/23 15:28		
Carracas Plot 4										
2305061-75 (Soil)										
Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst	

General Chemistry								
% Dry Solids	9.88			%	1	05/10/23 14:16	EPA160.3/1684	KRW
Soluble (DI Water Extraction)								
Chloride	<101	101	5.62	mg/kg dry	10	05/16/23 02:43	EPA300.0	AWG

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10

05/16/23 03:04

EPA300.0

Energy Inspection Services 479 Wolverine Drive Bayfield CO, 81122	Project: BTEX TPH Chloride Project Name / Number: Carracas 23A Spill Project Manager: Tanner Paulek							Reported: 05/16/23 15:28		
		-	arracas P							
		23	305061-76	(Soil)						
Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst	
General Chemistry										
% Dry Solids	87.8			%	1	05/10/23 14:16	EPA160.3/1684		KRW	

0.633 mg/kg dry

<11.4

11.4

Soluble (DI Water Extraction)

Chloride

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10

05/16/23 04:06

EPA300.0

Energy Inspection Services 479 Wolverine Drive Bayfield CO, 81122	Project: BTEX TPH Chloride Project Name / Number: Carracas 23A Spill Project Manager: Tanner Paulek							Reported: 05/16/23 15:28		
Carracas Plot 2										
2305061-77 (Soil)										
Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst	
General Chemistry										
% Dry Solids	87.5			%	1	05/10/23 14:16	EPA160.3/1684		KRW	

0.635 mg/kg dry

<11.4

11.4

Soluble (DI Water Extraction)

Chloride

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10

05/16/23 04:27

EPA300.0

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Energy Inspection Services 479 Wolverine Drive Bayfield CO, 81122	Project: BTEX TPH Chloride Project Name / Number: Carracas 23A Spill Project Manager: Tanner Paulek								ed: 15:28
		С	arracas P	lot 1					
		23	05061-78	(Soil)					
Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst
General Chemistry	00.0			0/	1	05/10/22 14:10	EDA 1 (0.2/1 (9.4		V DW
% Dry Solids	88.8			%	1	05/10/23 14:16	EPA160.3/1684		KRW

0.626 mg/kg dry

<11.3

11.3

Soluble (DI Water Extraction)

Chloride

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Energy Inspection Services	Project: BTEX TPH Chloride	
479 Wolverine Drive	Project Name / Number: Carracas 23A Spill	Reported:
Bayfield CO, 81122	Project Manager: Tanner Paulek	05/16/23 15:28

Soluble (DI Water Extraction) - Quality Control

		Reporting		Spike	Source		%REC		RPD			
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes		
Batch B231239 - IC- Ion Chromatograph												
Blank (B231239-BLK1)			Prepa	ired & Anal	lyzed: 05/15	5/23						
Chloride	ND	25.0	mg/kg wet									
LCS (B231239-BS1)	Prepared & Analyzed: 05/15/23											
Chloride	609	25.0	mg/kg wet	600		102	85-115					
LCS Dup (B231239-BSD1)	Prepared & Analyzed: 05/15/23											
Chloride	607	25.0	mg/kg wet	600		101	85-115	0.485	20			
Batch B231240 - IC- Ion Chromatograph												
Blank (B231240-BLK1)			Prepa	red: 05/15/	23 Analyze	ed: 05/16/2	3					
Chloride	ND	25.0	mg/kg wet									
LCS (B231240-BS1)			Prepa	red: 05/15/	23 Analyze	ed: 05/16/2	3					
Chloride	619	25.0	mg/kg wet	600		103	85-115					
LCS Dup (B231240-BSD1)			Prepa	red: 05/15/	23 Analyze	ed: 05/16/2	3					
Chloride	616	25.0	mg/kg wet	600		103	85-115	0.348	20			

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Energy Inspection Services	Project: BTEX TPH Chloride	
479 Wolverine Drive	Project Name / Number: Carracas 23A Spill	Reported:
Bayfield CO, 81122	Project Manager: Tanner Paulek	05/16/23 15:28

Petroleum Hydrocarbons by GC FID - Quality Control

		Reporting		Spike	Source	a (D = -	%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 3050511 - General Prep - Organics										
Blank (3050511-BLK1)			Prep	ared: 05/05/	23 Analyze	ed: 05/08/2	3			
Surrogate: 1-Chlorooctadecane	46.4		mg/kg	50.0		92.7	49.1-148			
Surrogate: 1-Chlorooctane	42.4		mg/kg	49.6		85.7	48.2-134			
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
GRO C6-C10	ND	10.0	mg/kg							
LCS (3050511-BS1)			Prep	ared: 05/05/	23 Analyze	ed: 05/08/2	3			
Surrogate: 1-Chlorooctadecane	47.9		mg/kg	50.0		95.8	49.1-148			
Surrogate: 1-Chlorooctane	47.0		mg/kg	49.6		94.8	48.2-134			
DRO >C10-C28	176	10.0	mg/kg	200		88.1	72.5-126			
GRO C6-C10	197	10.0	mg/kg	200		98.5	78.5-124			
Total TPH C6-C28	373	10.0	mg/kg	400		93.3	77.6-123			
LCS Dup (3050511-BSD1)			Prep	ared: 05/05/	23 Analyze	ed: 05/08/2	3			
Surrogate: 1-Chlorooctadecane	44.5		mg/kg	50.0		89.0	49.1-148			
Surrogate: 1-Chlorooctane	44.8		mg/kg	49.6		90.4	48.2-134			
DRO >C10-C28	178	10.0	mg/kg	200		88.9	72.5-126	0.914	21	
GRO C6-C10	201	10.0	mg/kg	200		101	78.5-124	2.13	17.7	
Total TPH C6-C28	379	10.0	mg/kg	400		94.7	77.6-123	1.56	18.5	
Batch 3050810 - General Prep - Organics										
Blank (3050810-BLK1)			Prep	ared & Anal	lyzed: 05/08	3/23				
Surrogate: 1-Chlorooctadecane	53.6		mg/kg	50.0		107	49.1-148			
Surrogate: 1-Chlorooctane	47.8		mg/kg	49.6		96.4	48.2-134			
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
GRO C6-C10	ND	10.0	mg/kg							
LCS (3050810-BS1)			Prep	ared & Anal	lyzed: 05/08	8/23				
Surrogate: 1-Chlorooctadecane	59.2		mg/kg	50.0		118	49.1-148			
Surrogate: 1-Chlorooctane	51.0		mg/kg	49.6		103	48.2-134			
DRO >C10-C28	176	10.0	mg/kg	200		88.1	72.5-126			
GRO C6-C10	191	10.0	mg/kg	200		95.4	78.5-124			
Total TPH C6-C28	367	10.0	mg/kg	400		91.8	77.6-123			
LCC D (2050010 DCD1)	Prepared & Analyzed: 05/08/23									
LCS Dup (3050810-BSD1)			r							

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Energy Inspection Services	Project: BTEX TPH Chloride	
479 Wolverine Drive	Project Name / Number: Carracas 23A Spill	Reported:
Bayfield CO, 81122	Project Manager: Tanner Paulek	05/16/23 15:28

Petroleum Hydrocarbons by GC FID - Quality Control

(Continued	I)
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		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 3050810 - General Prep - Organics (Continued)										

LCS Dup (3050810-BSD1) (Continued)		Prepared & Analyzed: 05/08/23									
Surrogate: 1-Chlorooctane	52.1		mg/kg	49.6	105	48.2-134					
DRO >C10-C28	197	10.0	mg/kg	200	98.5	72.5-126	11.1	21			
GRO C6-C10	209	10.0	mg/kg	200	105	78.5-124	9.11	17.7			
Total TPH C6-C28	406	10.0	mg/kg	400	101	77.6-123	10.1	18.5			

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Energy Inspection Services	Project: BTEX TPH Chloride	
479 Wolverine Drive	Project Name / Number: Carracas 23A Spill	Reported:
Bayfield CO, 81122	Project Manager: Tanner Paulek	05/16/23 15:28

Volatile Organic Compounds by EPA Method 8260B - Quality Control

	N 1.	Reporting	TT .	Spike	Source	0/DEC	%REC	DDD	RPD	N 7 -
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 3050926 - Volatiles										
Blank (3050926-BLK1)			Prep	ared: 05/09/	23 Analyz	ed: 05/11/2	3			
Surrogate: 4-Bromofluorobenzene	1.23		mg/kg	1.25		98.7	88.2-108			
Benzene	ND	0.025	mg/kg							
Surrogate: Dibromofluoromethane	1.37		mg/kg	1.25		109	86.7-111			
Ethylbenzene	ND	0.025	mg/kg							
Toluene	ND	0.025	mg/kg							
Surrogate: Toluene-d8	1.13		mg/kg	1.25		90.8	89.3-110			
Total BTEX	ND	0.150	mg/kg							
Total Xylenes	ND	0.075	mg/kg							
LCS (3050926-BS1)			Prep	ared: 05/09/	23 Analyz	ed: 05/11/2	3			
Surrogate: 4-Bromofluorobenzene	1.25		mg/kg	1.25		100	88.2-108			
Benzene	1.75	0.025	mg/kg	2.00		87.5	70.2-121			
Surrogate: Dibromofluoromethane	1.36		mg/kg	1.25		108	86.7-111			
Ethylbenzene	1.87	0.025	mg/kg	2.00		93.7	79.1-124			
m+p - Xylene	4.02	0.050	mg/kg	4.00		100	80.8-134			
o-Xylene	1.99	0.025	mg/kg	2.00		99.3	79-130			
Toluene	1.74	0.025	mg/kg	2.00		86.8	76.9-126			
Surrogate: Toluene-d8	1.17		mg/kg	1.25		93.8	89.3-110			
Total Xylenes	6.00	0.075	mg/kg	6.00		100	80.5-132			
.CS Dup (3050926-BSD1)			Prep	ared: 05/09/	23 Analyz	ed: 05/11/2	3			
Surrogate: 4-Bromofluorobenzene	1.26		mg/kg	1.25		101	88.2-108			
Benzene	1.77	0.025	mg/kg	2.00		88.3	70.2-121	0.851	11.1	
Surrogate: Dibromofluoromethane	1.33		mg/kg	1.25		107	86.7-111			
Ethylbenzene	1.91	0.025	mg/kg	2.00		95.6	79.1-124	1.93	12.3	
m+p - Xylene	4.05	0.050	mg/kg	4.00		101	80.8-134	0.931	11.5	
o-Xylene	2.01	0.025	mg/kg	2.00		101	79-130	1.40	12.3	
Toluene	1.74	0.025	mg/kg	2.00		87.0	76.9-126	0.315	12.2	
Surrogate: Toluene-d8	1.16		mg/kg	1.25		92.6	89.3-110			
Total Xylenes	6.07	0.075	mg/kg	6.00		101	80.5-132	1.08	11.7	
Batch 3050927 - Volatiles										
Blank (3050927-BLK1)			Prep	ared: 05/09/	23 Analyz	ed: 05/11/2	3			
Surrogate: 4-Bromofluorobenzene	1.24		mg/kg	1.25		99.5	88.2-108			
Benzene	ND	0.025	mg/kg							
Surrogate: Dibromofluoromethane	1.29		mg/kg	1.25		104	86.7-111			
Green Analytical Laboratories			The	culte in this	nort annly to t	he samples a	nalyzed in acco	rdance with	the chain of	

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Energy Inspection Services	Project: BTEX TPH Chloride	
479 Wolverine Drive	Project Name / Number: Carracas 23A Spill	Reported:
Bayfield CO, 81122	Project Manager: Tanner Paulek	05/16/23 15:28

Volatile Organic Compounds by EPA Method 8260B - Quality Control

		(Continu	ed)						
Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 3050927 - Volatiles (Continued)										
Blank (3050927-BLK1) (Continued)			Prep	ared: 05/09/	23 Analyze	ed: 05/11/2	.3			
Ethylbenzene	ND	0.025	mg/kg							
Toluene	ND	0.025	mg/kg							
Surrogate: Toluene-d8	1.23		mg/kg	1.25		<i>98.3</i>	89.3-110			
Total BTEX	ND	0.150	mg/kg							
Total Xylenes	ND	0.075	mg/kg							
LCS (3050927-BS1)			Prep	ared: 05/09/	23 Analyze	ed: 05/11/2	.3			
Surrogate: 4-Bromofluorobenzene	1.24		mg/kg	1.25		99.3	88.2-108			
Benzene	1.79	0.025	mg/kg	2.00		89.6	70.2-121			
Surrogate: Dibromofluoromethane	1.28		mg/kg	1.25		103	86.7-111			
Ethylbenzene	1.88	0.025	mg/kg	2.00		93.9	79.1-124			
m+p - Xylene	3.97	0.050	mg/kg	4.00		99.2	80.8-134			
o-Xylene	2.03	0.025	mg/kg	2.00		102	79-130			
Toluene	1.82	0.025	mg/kg	2.00		91.1	76.9-126			
Surrogate: Toluene-d8	1.23		mg/kg	1.25		98.2	89.3-110			
Total Xylenes	6.00	0.075	mg/kg	6.00		100	80.5-132			
LCS Dup (3050927-BSD1)			Prep	ared: 05/09/	23 Analyze	ed: 05/11/2	.3			
Surrogate: 4-Bromofluorobenzene	1.25		mg/kg	1.25		99.8	88.2-108			
Benzene	1.78	0.025	mg/kg	2.00		89.1	70.2-121	0.531	11.1	
Surrogate: Dibromofluoromethane	1.28		mg/kg	1.25		103	86.7-111			
Ethylbenzene	1.91	0.025	mg/kg	2.00		95.6	79.1-124	1.77	12.3	
m+p - Xylene	4.00	0.050	mg/kg	4.00		99.9	80.8-134	0.723	11.5	
o-Xylene	2.07	0.025	mg/kg	2.00		103	79-130	1.61	12.3	
Toluene	1.82	0.025	mg/kg	2.00		90.8	76.9-126	0.313	12.2	
Surrogate: Toluene-d8	1.21		mg/kg	1.25		96.7	89.3-110			
Total Xylenes	6.06	0.075	mg/kg	6.00		101	80.5-132	1.02	11.7	

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Energy Inspection Services	Project: BTEX TPH Chloride	
479 Wolverine Drive	Project Name / Number: Carracas 23A Spill	Reported:
Bayfield CO, 81122	Project Manager: Tanner Paulek	05/16/23 15:28

Notes and Definitions

S-05	The surrogate recovery is outside of lab established statistical control limits but still within method limits. Data is not adversely affected.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
	*Results reported on as received basis unless designated as dry.
RPD	Relative Percent Difference
LCS	Laboratory Control Sample (Blank Spike)
RL	Report Limit
MDL	Method Detection Limit

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	armot always accept verbal changes. Please tax or email written change requests.

		Relinquished by:		Relinquished by:		Relinquished by:	yunter	Relinquished by:	by GAL within 30 days after completion. In no event shall GAL be liable to by GAL, regardless of whether such claim is based upon any of the above	PLEASE NOTE: GAL'S liability and client's exclus	or lan		0	ob Can		of Carr	0	0	ol Can	2305-061	For Lab Use			Sampler Name (Print): Ta		Project Name(optional):	Email Report to: tanne	Contact Person: Tamy	Phone #: 0470-759-0847	city: Bayfield	Address: 479 Wolverine		Laboratorie	Analy	GALEN	
† GAL ca * Chain of Custody mu	Time:	Date:	Time:	Date:	Time:	Date:	Time: 9: 45ar	Date: 5/4/23	10 7	ANNOLCOLS Plot 5-2 5	anna cas plotg-1	arracas plot 4-2				lanaeas Plot 2-2	P	1	arracas Plat 1-1		Sample Name or Location	1 m		anner Pauleic 3 Gra		Canadas 13A Spill	tannerpaulek@eis-llc."com	Tanner Paulek or gra	- 6847 1 470-744-8773	State: CO	0	IS / MainingStar	. 1	rtical		
† GAL cannot always accept verbal changes. Please fax or email written change requests. Chain of Custody must be signed in "Relinguished By:" as an acceptance of services and all applicable charges.	1	Received by:		Received by:		Received by:	2	3 Received by n/ n/	ages, including without limitation, business interruptions, loss of	131	5/3/23 1:56 PM	5	513123 2:04 PM	12	13/23		513123 2:32 PM	5/3/23 2:41 Pm	5/3/23 2:41 PA	Date Time		a ato banaga	Collected	oe here				leelee		Zip: 81122		Ę		1970) 0000		
nges. Please fax or email w By:" as an acceptance of s							P	n	uptions, loss of use, or loss of profits incurred	X	X	×	X	X	×	~	×	×		GROU SURFA WAST PRODU SOIL DRINK OTHE	ACEW EWAT JCEDW KING V R :	ATER ER /ATER VATER	Matrix (check one)	Email:	Phone #:	State: Zip:	City:	Address:	Attn:	Company:	P.O. #:	Bill to (if different):	75 Suttle St Durango, CO 81303	moreenanalytical com		
ritten change requests. ervices and all applicable cl	Temperature at receipt:	10171	Laser #2		1			ADDITIONAL REMARKS:		Ano these for non-factors and any other pro-	×		X		×		*			No prese HNO ₃ HCI H_2SO_4 Other: Other:		(general)	# of containers				to a summariant case. The accession case was an ended					erent):	33		CHAIN-OF-CU	
harges.	CHECKED BY	1/21,1)	N				Yes		ause whatsbevel shall be deelined wa uccessors arising out of or related to t	×		×		×		×		*			>#										1	ANALYSIS		FORM-006	STODY AND AN	
Just Click Printing Form #17-0301	On Ice No Ice	5					No	Report to State? (Circle)	he performance of services hereunder																		20					REQUEST	0.0	sion 6 D	CHAIN-OF-CUSTODY AND ANALYSIS REQUEST	0

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SAMPLE CONDITION RECEIPT FORM

lient Name: EIS/Morningst	ar	Work	Order # <u>2305-06</u>	
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ustody Seals on Box/Cooler Present: DY	es E No S	eals Intact: 🗆 Yes 🗆 No		
hermometer Used: _2 Samples or	n ice, cooling process has	begun: 🗆 Yes 🗹 No		
ype of Ice: 🗆 Wet 🗹 Blue 🗆 None	some samples o	nice		
ooler Temp: Observed Temp: 16.0 °C	Correction Factor:	C Final Temp: 16.1 °C	Date/Initials of person examining contents: VIW	5/4/2
Temp should be above freezing to 6°C			Labeled by initials: (If different than above)	**************************************
Chain of Custody Present:	⊠Yes ⊡No	1	L	
Chain of Custody Filled Out:	ZYes ⊡No	2.	2	
Chain of Custody Rellnquished:		3.		
Sampler Name and Signature on COC:	•⊡Yes ⊡No	4.		
Samples arrived within hold time:	⊠Yes ⊡No	5.		-
Short Hold Time Analysis (<72hr):	⊡Yes ⊠No	Ö.		
Rush Turn Around Time Requested:	TYes No	7.	4	
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Dissolved Testing Needed:	□Yes ₽No	11.	1	
Field Filtered: DYes DNo				
Sample Labels match COC: -includes Date/Time/ID	⊠Yes ⊡No	12.	1 1	
Matrix:	WT SI OF			
Trip Blank Present: Trip Blank Custody Seals Present:	⊡Yes ⊡No CAN/A ⊡Yes ⊡No ⊡N/A	13.		1999-1 · · · ·
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Person Contacted:		Date/Time:	1 	·* .
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FORM-039, Rev 1	Page 1 of 1			

Page 98 of 98 2305061 GAL FINAL 05 16 23 1528 05/16/23 15:28:49

Attachment V – Correspondence

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From: Heather Riley Sent: Tuesday, May 23, 2023 9:56 AM

Sent: Tuesday, May 23, 2023 9:56 AM To: Velez, Nelson, EMNRD <Nelson.Velez@emnrd.nm.gov> Cc: mhowe@ctfieldsvcs.com; Tanner Paulek <TannerPaulek@eis-Ilc.com>; Mindy Paulek <Mindy@eis-Ilc.com>; Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov> Subject: RE: [EXTERNAL] Morningstar - Incident #: nAPP2227139978

Good morning Nelson. Soil sampling was completed and the results are in. Attached is an EDD of the results. I have the full report as well but it is close to 100 pages. While there were some detectable constituents, they were well below Table I standards.

At this point, Morningstar would like to submit a C-141 Closure Report which would include a variance request pursuant to 19.15.29.14. Prior to formal submittal, I wanted to communicate with you on the specifics of the variance request. Based on the sampling report results and the soil characteristics, a variance from 19.15.29.13.D.(1) seems appropriate.

The following draft language would be included in the variance request:

According to the USDA NRCS web soil survey the soils within the release area are mapped as <u>721-Elbuck</u> family, warm, Fort Lewis family, warm, and Lithic Ustorthents, fridid, dry soils, 0 to 40 percent slopes. Based on the location and ground truthing of the release area the soils can be further defined within the setting of Lithic Ustorthents, Frigid, Dry. These soils are described as having a restrictive depth at 0 -20 inches to lithic bedrock. The typical profile is described as having an organic soil layer (Oi) from 0 - 0 inches, an "A" layer of sandy loam from 0 to 2 inches, a "C" layer of loamy sand from 2-10 inches, and a "Cr" soil layer of at 10 - 13 inches. Soil sampling in the field demonstrated a restrictive bedrock layer being encountered anywhere from 0 to 12 inches. The minimal depth of soil within the release area further results from being located within a depressional drainage and the loss of soil from erosion over time.

Morningstar would like to ask for a variance from rule 19.15.29.13.D(1) requiring the reclamation containing a minimum of four feet of non-waste containing, uncontaminated, earthen material with chloride concentrations less than 600 mg/kg as analyzed by EPA Method 300.0, or other test methods approved by the division. This variance is being requested based on the native soil condition having only a minimal cover of 0-20 inches. The remediated and reclaimed release area currently contains a soil cover including a top layer which is similar to the background thickness of topsoil in the area and is suitable material to establish vegetation at the site, as is illustrated by current vegetation growth occurring within the release area.

Please review and let me know if this is appropriate and then I will submit a C-141 with this communication included. Morningstar is reaching out Jicarilla Ranger District USFS for their concurrence on this plan. We will include that communication in the C-141.

Thank you and have a great day.

Heather Riley Sr. Project Manager



479 Wolverine Drive #9 Bayfield, CO 81122 (970) 749-8747 https://www.eis-Ilc.com/eis-environmental-services/

From: Heather Riley
Sent: Wednesday, April 26, 2023 9:10 AM
To: Velez, Nelson, EMNRD <<u>Nelson.Velez@emnrd.nm.gov</u>>
Cc: mhowe@ctfieldsvcs.com; Tanner Paulek <<u>TannerPaulek@eis-llc.com</u>>; Mindy Paulek <<u>Mindy@eis-llc.com</u>>;
Bratcher, Michael, EMNRD <<u>mike.bratcher@emnrd.nm.gov</u>>
Subject: RE: [EXTERNAL] Morningstar - Incident #: nAPP2227139978

We will give you all a follow-up phone call on Monday. Thanks for the quick response.

Heather Riley Sr. Project Manager



479 Wolverine Drive #9 Bayfield, CO 81122 (970) 749-8747 https://www.eis-llc.com/eis-environmental-services/

From: Velez, Nelson, EMNRD <<u>Nelson.Velez@emnrd.nm.gov</u>>
Sent: Wednesday, April 26, 2023 9:08 AM
To: Heather Riley <<u>heatherriley@eis-llc.com</u>>
Cc: mhowe@ctfieldsvcs.com; Tanner Paulek <<u>tannerpaulek@eis-llc.com</u>>; Mindy Paulek <<u>Mindy@eis-llc.com</u>>;
Bratcher, Michael, EMNRD <<u>mike.bratcher@emnrd.nm.gov</u>>
Subject: Re: [EXTERNAL] Morningstar - Incident #: nAPP2227139978

Good morning Heather,

Thanks for the notification. Per 19.15.29.12D (1a) which states, "The responsible party must verbally notify the appropriate division district office two business days prior to conducting final sampling". "Verbally" can mean via telephone, text, or email. OCD preference is by email so that correspondences are transparent. Since the division has restructured its personnel and responsibilities, district office is now referred to as "group".

If you have any questions, please contact me at your convenience. Thanks again.

Regards,

Nelson Velez • Environmental Specialist - Adv

Environmental Bureau | EMNRD - Oil Conservation Division

1000 Rio Brazos Road | Aztec, NM 87410

(505) 469-6146 | <u>nelson.velez@emnrd.nm.gov</u>

http://www.emnrd.state.nm.us/OCD/



From: Heather Riley <<u>heatherriley@eis-llc.com</u>>
Sent: Tuesday, April 25, 2023 2:58 PM
To: Velez, Nelson, EMNRD <<u>Nelson.Velez@emnrd.nm.gov</u>>
Cc: mhowe@ctfieldsvcs.com <<u>mhowe@ctfieldsvcs.com</u>>; Tanner Paulek <<u>tannerpaulek@eis-llc.com</u>>; Mindy
Paulek <<u>Mindy@eis-llc.com</u>>; Bratcher, Michael, EMNRD <<u>mike.bratcher@emnrd.nm.gov</u>>
Subject: RE: [EXTERNAL] Morningstar - Incident #: nAPP2227139978

Good afternoon Mr. Velez. Our team is planning on conducting soil sampling at this site on 5/3/2023. They plan to begin at 8:00 am. Please let this serve as notice pursuant to NMOCD rules. Let me know if you'd like additional confirmation of this date on Monday, May 1, which would be 48 hours prior.

Thank you,

Heather Riley Sr. Project Manager



479 Wolverine Drive #9 Bayfield, CO 81122 (970) 749-8747 https://www.eis-Ilc.com/eis-environmental-services/

From: Velez, Nelson, EMNRD <<u>Nelson.Velez@emnrd.nm.gov</u>>
Sent: Tuesday, April 4, 2023 9:49 AM
To: Heather Riley <<u>heatherriley@eis-llc.com</u>>
Cc: mhowe@ctfieldsvcs.com; Tanner Paulek <<u>tannerpaulek@eis-llc.com</u>>; Mindy Paulek <<u>Mindy@eis-llc.com</u>>;

Bratcher, Michael, EMNRD <<u>mike.bratcher@emnrd.nm.gov</u>> Subject: Re: [EXTERNAL] Morningstar - Incident #: nAPP2227139978

Good morning Heather,

After our phone conversation this morning, your time extension is approved. New remediation due date is set for Friday, June 9, 2023.

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

The OCD requires a copy of all correspondence relative to remedial activities be included in all proposals and/or final closure reports. Correspondence required to be included in reports may include, but not limited to, notifications for liner inspections, sample events, spill/release/fire, and request for time extensions or variances.

Regards,

Nelson Velez • Environmental Specialist - Adv

Environmental Bureau | EMNRD - Oil Conservation Division

1000 Rio Brazos Road | Aztec, NM 87410

(505) 469-6146 | nelson.velez@emnrd.nm.gov

http://www.emnrd.state.nm.us/OCD/



From: Heather Riley <<u>heatherriley@eis-llc.com</u>>
Sent: Tuesday, April 4, 2023 9:34 AM
To: Velez, Nelson, EMNRD <<u>Nelson.Velez@emnrd.nm.gov</u>>
Cc: mhowe@ctfieldsvcs.com <<u>mhowe@ctfieldsvcs.com</u>>; Tanner Paulek <<u>tannerpaulek@eis-llc.com</u>>; Mindy
Paulek <<u>Mindy@eis-llc.com</u>>
Subject: RE: [EXTERNAL] Morningstar - Incident #: nAPP2227139978

Good morning Mr. Velez. You and I spoke on the phone a couple of weeks ago concerning the closure deadline of 4/7/2023 and, given the heavy winter weather, there was a good chance an extension would be needed to get the sampling completed. The purpose of this email is to ask for that extension.

I appreciate your time in reviewing this and look forward to your response.

Heather Riley

Sr. Project Manager



479 Wolverine Drive #9 Bayfield, CO 81122 (970) 749-8747 https://www.eis-llc.com/eis-environmental-services/

From: Velez, Nelson, EMNRD <<u>Nelson.Velez@emnrd.nm.gov</u>>
Sent: Thursday, January 5, 2023 1:51 PM
To: Heather Riley <<u>heatherriley@eis-llc.com</u>>
Cc: <u>mhowe@ctfieldsvcs.com</u>; Tanner Paulek <<u>tannerpaulek@eis-llc.com</u>>; Mindy Paulek <<u>Mindy@eis-llc.com</u>>
Subject: RE: [EXTERNAL] Morningstar - Incident #: nAPP2227139978

Hi Heather,

FYI, I approved application 169128 for the Carracas site, so no need to make the changes to the document we spoke about earlier this morning. I've modified sections 2.0 & 3.0 (page 12) to reflect the appropriate closure standards for the release [applying 19.15.29.13D (1)]. Therefore, OCD's approval of the sampling plan is based on this change of condition.

OCD also approves a 90-day time extension for the closure report deadline (April 7, 2023). This has already been updated within the site's incident page.

Lastly, I've included the spill rule clarification document drafted in 2019.

If you have any questions, please contact me at your convenience.

Regards,

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



From: Heather Riley <<u>heatherriley@eis-llc.com</u>> Sent: Friday, December 30, 2022 12:01 PM To: Velez, Nelson, EMNRD <<u>Nelson.Velez@emnrd.nm.gov</u>> Cc: <u>mhowe@ctfieldsvcs.com</u>; Tanner Paulek <<u>tannerpaulek@eis-llc.com</u>>; Mindy Paulek <<u>Mindy@eis-llc.com</u>> Subject: RE: [EXTERNAL] Morningstar - Incident #: nAPP2227139978

Good morning Nelson. I just submitted a C-141 with the Site Characterization completed as much as we can with the data we have. I also submitted a Soil Sample plan that we would appreciate if you have time to review and let us know if it meets with your approval. We would like to get the sampling scheduled as soon as possible. This storm is not helping the timing.

Thank you,

Heather Riley Sr. Project Manager



479 Wolverine Drive #9 Bayfield, CO 81122 (970) 749-8747 https://www.eis-Ilc.com/eis-environmental-services/

From: Heather Riley
Sent: Wednesday, December 21, 2022 2:36 PM
To: Velez, Nelson, EMNRD <<u>Nelson.Velez@emnrd.nm.gov</u>>
Cc: mhowe@ctfieldsvcs.com; Tanner Paulek <<u>TannerPaulek@eis-Ilc.com</u>>; Mindy Paulek <<u>Mindy@eis-Ilc.com</u>>
Subject: RE: [EXTERNAL] Morningstar - Incident #: nAPP2227139978

Thank you Nelson. We will get this done right away.

Heather Riley Sr. Project Manager



479 Wolverine Drive #9 Bayfield, CO 81122 (970) 749-8747 https://www.eis-Ilc.com/eis-environmental-services/

From: Velez, Nelson, EMNRD <<u>Nelson.Velez@emnrd.nm.gov</u>> Sent: Wednesday, December 21, 2022 1:04 PM To: Heather Riley <<u>heatherriley@eis-llc.com</u>>

Cc: <u>mhowe@ctfieldsvcs.com</u>; Tanner Paulek <<u>tannerpaulek@eis-llc.com</u>>; Mindy Paulek <<u>Mindy@eis-llc.com</u>> **Subject:** RE: [EXTERNAL] Morningstar - Incident #: nAPP2227139978

Hi Heather,

Good to talk with you this morning. As I mentioned, please have MorningStar submit the initial Form C-141 (pages 1 & 2 only) through OCD's C-141 permitting portal as soon as possible.

OCD will grant a time extension for 30 days (01/27/2023) under the condition that the MorningStar provide, at a minimum, the site assessment/characterization items (page 3 of the C-141) that can be <u>administratively</u> <u>completed</u> by 12/30/2022 via email to myself &/or <u>OCD.enviro@emnrd.nm.gov</u>.

Sampling plan mentioned can/should be included as well per 19.15.29.12D (1b). Lab COCRs, site maps, & summary table(s) should all correlate appropriately and should include sampling depths relative to grade.

Per 19.15.29.12D (1a), MorningStar must verbally (or by email) notify OCD two (2) business days in advance prior to conducting any confirmation sampling. MorningStar may request a variance from this requirement upon a showing of good cause.

Please assure that 19.15.29.12C (2) and 19.15.29.13D (1) are addressed properly within your sampling plan.

Lastly, when submitting the final closure report, please review and include all applicable requirements per 19.15.29.11 & 19.15.29.12 NMAC.

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

The OCD requires a copy of all correspondence relative to remedial activities be included in all proposals and/or final closure reports. Correspondence required to be included in reports may include, but not limited to, notifications for liner inspections, confirmation sample events, spill/release/fire, and request for time extensions or variances.

If you have any questions, please do not hesitate to contact me at your convenience.

Thank you again for contacting and updating me regarding this incident.

Regards

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



From: Heather Riley <<u>heatherriley@eis-llc.com</u>> Sent: Tuesday, December 20, 2022 5:00 PM To: Velez, Nelson, EMNRD <<u>Nelson.Velez@emnrd.nm.gov</u>>

Cc: <u>mhowe@ctfieldsvcs.com</u>; Tanner Paulek <<u>tannerpaulek@eis-llc.com</u>>; Mindy Paulek <<u>Mindy@eis-llc.com</u>> Subject: [EXTERNAL] Morningstar - Incident #: nAPP227139978

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

Good afternoon Mr. Velez.

I work for EIS Environmental & Permitting Solutions and we have been hired by Mike Howe at Morningstar to assist with the reporting, sampling & site characterization requirements for the incident under number nAPP227139978 (API #30-039-27550). This incident occurred on 9/27/2022 and an initial report of the incident was submitted on 9/27/2022. The source of the spill was stopped and remediation was conducted immediately after the spill through the supervision of the Carson National Forest, Jicarilla Ranger District personnel. The next step is to conduct the site assessment and characterization and submit a C-141. After visiting the spill site with Morningstar, we have a sample plan drafted and plan to get to the field to get those pulled.

I have a couple of questions for you. Do you want to see the sample plan ahead of time and give your approval or do you just want the prior notice of the date for sampling? My second question is can we get an extension for submittal of the C-141 that is required to be submitted within 90 days of the discovery of the release? The date this report is due is on 12/26/2022 and I don't believe we can get the sampling and results back in that time frame. The last question is when would be a good time to for you to witness the sampling? We can schedule it when it is convenient for you. If you are not the person assigned to this spill, please let me know who I should reach out to.

Thank you for your time.

Heather Riley Sr. Project Manager



479 Wolverine Drive #9 Bayfield, CO 81122 (970) 749-8747 https://www.eis-Ilc.com/eis-environmental-services/

Helpdesk

FW: EXTERNAL:RE: [External Email]Carracas 23A #4 Rig Spill

Heather Riley <heatherriley@eis-llc.com> Mon 6/5/2023 11:09 AM To:Lisa Paulek <lisapaulek@eis-llc.com> Cc:Mindy Paulek <Mindy@eis-llc.com>;Tanner Paulek <tannerpaulek@eis-llc.com> Lisa – this email should be included in the correspondence section of the report.

From: Mike Howe <MHowe@ctfieldsvcs.com> Sent: Monday, June 5, 2023 10:56 AM To: Heather Riley <heatherriley@eis-Ilc.com> Subject: FW: EXTERNAL:RE: [External Email]Carracas 23A #4 Rig Spill

Heather,

Please see the Forest ranger's response to the variance request in the text below. Thanks!



PO Box 820 811 S. Main Ave. Aztec, NM 87410 Mike Howe Production Foreman MorningStar Operating LLC Office 505.333.4869 Cell 505.330.3058 <u>mhowe@ctfieldsvcs.com</u>

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From: Miller, Jon - FS, NM <jon.miller@usda.gov> Sent: Thursday, June 1, 2023 12:54 PM To: Mike Howe <<u>MHowe@ctfieldsvcs.com</u>>

Cc: Eaton, William - FS, NM <<u>william.eaton@usda.gov</u>>; Miller, Rachel - FS, NM <<u>rachel.m.miller@usda.gov</u>> Subject: EXTERNAL:RE: [External Email]Carracas 23A #4 Rig Spill

This email contains a link!

This email contains a World Wide Web link. Use caution when following links as they could open malicious web sites.

Mike,

I did a site visit of the Carracas 23 A #4 well location and spill area yesterday. Based on the level of spill mitigation and overall condition of the spill area the Forest Service concurs with your assessment that adding material would be unnecessary.

However, please make sure that all unused equipment is removed from the location. Please see photo below:



Please provide a final copy of the spill report. Thank you. J.J.



J.J. Miller Minerals Administrator Forest Service Carson National Forest, Jicarilla Ranger District p: 505-632-2956 x77240 c: 505-320-1879 f: 505-632-3173 jon.miller@usda.gov 1110 Rio Vista Lane, Unit #2 Bloomfield, NM 87413 www.fs.fed.us

Caring for the land and serving people

From: Miller, Jon - FS, NM
Sent: Thursday, May 25, 2023 9:53 AM
To: 'Mike Howe' <<u>MHowe@ctfieldsvcs.com</u>>
Cc: Eaton, William - FS, NM <<u>william.eaton@usda.gov</u>>; Miller, Rachel - FS, NM <<u>rachel.m.miller@usda.gov</u>>
Subject: RE: [External Email]Carracas 23A #4 Rig Spill

Mike,

I do not think there will be an issue. I am going to try to get up to Carracas next week, so let me take a look.

Thanks. J.J.

J.J. Miller



Minerals Administrator

Forest Service Carson National Forest, Jicarilla Ranger District

p: 505-632-2956 x77240 c: 505-320-1879 f: 505-632-3173 jon.miller@usda.gov 1110 Rio Vista Lane, Unit #2 Bloomfield, NM 87413



Caring for the land and serving people

From: Mike Howe <<u>MHowe@ctfieldsvcs.com</u>> Sent: Wednesday, May 24, 2023 7:21 AM To: Miller, Jon - FS, NM <<u>jon.miller@usda.gov</u>> Subject: [External Email]Carracas 23A #4 Rig Spill

[External Email]

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IJ,

We finished up with the soil testing on this spill...it cleared in all areas. The State has a clause in their rule that requires the operator to pad the clean spill area with 4" of dirt, though. While I think that is a good idea if the spill was inside a berm, I don't think it's a good idea in this case. The affected spill area blends in with the surrounding non-affected area to the point that there is no visual difference. We can bypass the clause if you approve a variance. What do you think?



PO Box 820 811 S. Main Ave. Aztec, NM 87410



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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:
MorningStar Operating LLC	330132
400 W 7th St	Action Number:
Fort Worth, TX 76102	224271
	Action Type:
	[C-141] Release Corrective Action (C-141)

CONDITIONS

CONDING		
Created By		Condition Date
nvelez	Closure report with variance requested is approved. Release resolved.	9/1/2023

CONDITIONS

Action 224271

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