

OCD Permitting

Home Applications Fee Application

SADSP-230905-C-1410

Application Information

Status: Pending Payment
 Type: [C-141] Release Corrective Action (C-141)
 Attachment: [Closure Report.pdf \(11617.7 KB\)](#) C-141
 Reference: nAPP2315035246

Applicant Details

OGRID: 373619
 Name: Adrienne Tovar
 Email: adrienne.tovar@blackbuckresources.com

Event Dates

Created On:	9/5/2023 12:25 PM	Created By:	kmoser
Modified On:	9/5/2023 12:30 PM	Modified By:	kmoser

Fee Information

Created On:	9/5/2023 12:25 PM	Created By:	kmoser
Type:	SB553 A.(2)		
Amount:	\$150.00		
Modified On:	9/5/2023 12:25 PM	Modified By:	kmoser

Payment Information

Created On:		Created By:	
Status:			
Type:		Modified By:	
Amount:			
Modified On:			

Closure Report

Marquardt Riser
C-S12-T25S-R26E
Eddy County, NM

Incident Number: nAPP2315035246

Prepared For:

Blackbuck Resources
C/O Don Gosch
3300, N. A Street
Building 5 Suite 120
Midland, TX 79705

Prepared By:

BDS Enterprises
1705 E Greene St.
Carlsbad, NM 88220

August 30, 2023

Blackbuck Resources
August 17, 2023

Site Information

On or about May 03, 2023, a produced water release was discovered at the Marquardt Riser. Approximately 157 bbls. of fluid were released and non were recoverable due to soil characteristics. A C-141 spill notification was submitted to the NMOCD and assigned **Incident No. nAPP2315035246** Appendix 1. The Marquardt Riser is located in Rural Eddy County, more specifically at the GPS coordinates (32.15127, -104.24928), approximately 19 miles south of Carlsbad, New Mexico.

According to the soil survey provided by the United States Department of Agriculture National Resources Conservation Services, the soil in this area is made up of Reeves-Gypsum land complex, with 0-3 percent slopes. Depths to restrictive features are more than 80 inches bgs. Per the New Mexico Bureau of Geology and Mineral Resources, the local geology consists of loam and clay loam, Holocene to middle Pleistocene in age. The soil characterization in this site is considered very slightly saline to moderate. Drainage courses in this area are typically well drained Appendix III.

Ground Water and Site Characterization

The New Mexico Office of the State Engineer Database indicates the nearest reported depth to groundwater is 52 feet below ground surface (bgs), and the POD summary is dated 2000. Further research of the Bureau of Land Management Karst data indicates that this site is located within a potentially high Karst area Appendix III.

Site Assessment

On May 09, 2023 BDS personnel traveled to the location of the Marquardt Riser and conducted an assessment of the impacted area. The area was mapped with a handheld Juno 6000, photographed, and initial soil samples were retrieved. Sample Locations are shown in Appendix II. All soil samples were properly obtained, contained, preserved and transported to Cardinal Laboratories. The soil was analyzed for Chlorides (Method SM4500CIB), BTEX (Method 8021B), and TPH (Method 8015M). The results of the assessment sampling event are presented below on Table 1. Full laboratory reports can be referenced in Appendix V.

Table I: Assessment Data

Sample ID	Sample Date	Depth (BGS)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	Chlorides mg/kg
NMOCD Table 1 Closure Criteria 19.15.29 NMAC			50 mg/kg	10 mg/kg	GRO + DRO + MRO combined = 100 mg/kg			100 mg/kg	600 mg/kg
S-1	5/9/2023	0-1'	ND	ND	ND	29.4	ND	29.4	784
	5/9/2023	2'	ND	ND	ND	ND	ND	0	128
	5/9/2023	3'	ND	ND	ND	ND	ND	0	80
	5/9/2023	4'	ND	ND	ND	ND	ND	0	128
S-2	5/9/2023	0-1'	ND	ND	ND	37	ND	37	1090
	5/9/2023	2'	ND	ND	ND	ND	ND	0	720
	5/9/2023	3' R	ND	ND	ND	ND	ND	0	144
S-3	5/9/2023	0-1'	ND	ND	ND	ND	ND	0	976
	5/9/2023	2' R	ND	ND	ND	ND	ND	0	880
S-4	5/9/2023	0-1'	ND	ND	ND	ND	ND	0	4800
	5/9/2023	2'	ND	ND	ND	ND	ND	0	416
	5/9/2023	3'	ND	ND	ND	ND	ND	0	464
	5/9/2023	4'	ND	ND	ND	ND	ND	0	320

Blackbuck Resources
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Continued									
S-5	5/9/2023	2'	ND	ND	ND	84.4	10.3	94.7	1360
	5/9/2023	3'	ND	ND	ND	ND	ND	0	160
	5/9/2023	4'	ND	ND	ND	ND	ND	0	80
S-6	5/9/2023	2'	ND	ND	ND	15.9	ND	15.9	1540
	5/9/2023	3'	ND	ND	ND	ND	ND	0	272
	5/9/2023	4'	ND	ND	ND	ND	ND	0	320
BG-1	5/9/2023	0'	ND	ND	ND	ND	ND	0	16
BG-2	5/9/2023	0'	ND	ND	ND	ND	ND	0	128
BG-3	5/9/2023	0'	ND	ND	ND	ND	ND	0	240
BG-4	5/9/2023	0'	ND	ND	ND	ND	ND	0	16
ND = Analyte Not Detected, BG = Background Sample, R = Refusal with hand auger									

On May 31, 2023 based on the assessment data excavation activity began and the impacted area was excavated to 1 ft. bgs. Field titration data was utilized to guide the excavation. The impacted area was advanced to depths of 2 ft. and 4 ft. bgs., respectively.

On June 27, 2023 DBS field scientist provided notification to the NMOCD of the confirmation sampling event to commence on June 30, 2023. Correspondence can be viewed in (Appendix VI). Soil samples were taken on a composite basis of the bottom and sidewalls of the excavation as can be viewed in photographic documentation (Appendix IV). All soil samples were properly taken, contained, preserved and transported to Hall Laboratories for analysis of BTEX, TPH, and Chlorides. The results of the confirmation sampling event are tabled below. A full laboratory report can be referenced in (Appendix V).

Table II: Confirmation Data

Sample ID	Sample Date	Depth (BGS)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	Chlorides mg/kg
NMOCD Table 1 Closure Criteria 19.15.29 NMAC			50 mg/kg	10 mg/kg	GRO + DRO + MRO combined = 100 mg/kg			100 mg/kg	600 mg/kg
S1A	6/30/2023	2'	ND	ND	ND	ND	ND	0	ND
S2A	6/30/2023	2'	ND	ND	ND	ND	ND	0	ND
S3A	6/30/2023	2'	ND	ND	ND	ND	ND	0	ND
S4A	6/30/2023	2'	ND	ND	ND	ND	ND	0	ND
S5A	6/30/2023	2'	ND	ND	ND	ND	ND	0	ND
S6A	6/30/2023	2'	ND	ND	ND	ND	ND	0	ND
S7A	6/30/2023	2'	ND	ND	ND	ND	ND	0	ND
S8A	6/30/2023	2'	ND	ND	ND	ND	ND	0	ND
S9A	6/30/2023	2'	ND	ND	ND	ND	ND	0	ND
S10A	6/30/2023	2'	ND	ND	ND	ND	ND	0	ND
S11A	6/30/2023	2'	ND	ND	ND	ND	ND	0	ND
S12A	6/30/2023	2'	ND	ND	ND	ND	ND	0	ND
S13A	6/30/2023	2'	ND	ND	ND	ND	ND	0	ND
S14A	6/30/2023	2'	ND	ND	ND	ND	ND	0	ND
S15A	6/30/2023	2'	ND	ND	ND	ND	ND	0	ND
S16A	6/30/2023	2'	ND	ND	ND	ND	ND	0	ND

Blackbuck Resources
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Continued:									
S17A	6/30/2023	2'	ND	ND	ND	ND	ND	0	ND
S18A	6/30/2023	2'	ND	ND	ND	ND	ND	0	ND
S19A	6/30/2023	2'	ND	ND	ND	ND	ND	0	ND
S20A	6/30/2023	2'	ND	ND	ND	ND	ND	0	ND
S21A	6/30/2023	2'	ND	ND	ND	ND	ND	0	ND
S22A	6/30/2023	2'	ND	ND	ND	ND	ND	0	ND
S23A	6/30/2023	2'	ND	ND	ND	ND	ND	0	ND
S24A	6/30/2023	2'	ND	ND	ND	ND	ND	0	ND
S25A	6/30/2023	2'	ND	ND	ND	ND	ND	0	ND
S26A	6/30/2023	2'	ND	ND	ND	ND	ND	0	ND
S27A	6/30/2023	2'	ND	ND	ND	ND	ND	0	ND
S28A	6/30/2023	2'	ND	ND	ND	ND	ND	0	ND
S29A	6/30/2023	2'	ND	ND	ND	ND	ND	0	ND
S30A	6/30/2023	2'	ND	ND	ND	ND	ND	0	ND
S31A	6/30/2023	2'	ND	ND	ND	ND	ND	0	ND
S32A	6/30/2023	4'	ND	ND	ND	ND	ND	0	ND
S33A	6/30/2023	4'	ND	ND	ND	ND	ND	0	ND
S34A	6/30/2023	4'	ND	ND	ND	ND	ND	0	ND
S35A	6/30/2023	4'	ND	ND	ND	ND	ND	0	ND
S36A	6/30/2023	2'	ND	ND	ND	ND	ND	0	ND
S37A	6/30/2023	2'	ND	ND	ND	ND	ND	0	ND
S38A	6/30/2023	2'	ND	ND	ND	ND	ND	0	ND
S39A	6/30/2023	2'	ND	ND	ND	ND	ND	0	ND
S40A	6/30/2023	2'	ND	ND	ND	ND	ND	0	ND
S41A	6/30/2023	2'	ND	ND	ND	ND	ND	0	ND
S42A	6/30/2023	2'	ND	ND	ND	ND	ND	0	ND
S43A	6/30/2023	2'	ND	ND	ND	ND	ND	0	ND
S44A	6/30/2023	2'	ND	ND	ND	ND	ND	0	ND
S45A	6/30/2023	2'	ND	ND	ND	ND	ND	0	ND
S46A	6/30/2023	2'	ND	ND	ND	ND	ND	0	ND
S47A	6/30/2023	2'	ND	ND	ND	ND	ND	0	ND
S48A	6/30/2023	2'	ND	ND	ND	ND	ND	0	ND
S49A	6/30/2023	2'	ND	ND	ND	ND	ND	0	ND
S50A	6/30/2023	2'	ND	ND	ND	ND	ND	0	ND
S51A	6/30/2023	2'	ND	ND	ND	ND	ND	0	ND
S52A	6/30/2023	2'	ND	ND	ND	ND	ND	0	ND
SW1	6/30/2023		ND	ND	ND	ND	ND	0	ND
SW2	6/30/2023		ND	ND	ND	ND	ND	0	ND
SW3	6/30/2023		ND	ND	ND	ND	ND	0	ND
SW4	6/30/2023		ND	ND	ND	ND	ND	0	ND
SW5	6/30/2023		ND	ND	ND	ND	ND	0	ND
SW6	6/30/2023		ND	ND	ND	ND	ND	0	ND
SW7	6/30/2023		ND	ND	ND	ND	ND	0	ND
SW8	6/30/2023		ND	ND	ND	ND	ND	0	ND
SW9	6/30/2023		ND	ND	ND	ND	ND	0	ND

ND = Analyte Not Detected, SW = Sidewall Sample

Blackbuck Resources
August 17, 2023

Scope of Work

- The impacted area was excavated from depths of 2 ft. bgs., to depths of 4 ft. bgs. Field titration data was utilized to test the soil and guide the excavation.
- Approximately two hundred sixty seven (267) yards of excavated soil wer transported and disposed of as oilfield exempt RCRA waste at Lea Landfill, an NMOCD approved waste acceptance facility.
- Confirmation samples were taken on a 5-point 200 sq. ft. basis. The excavation was advance horizontally to the extent that sidewalls were clean (marked as SW samples).
- The excavation was backfilled with clean soil native to the area. The area adjacent to the lease road was backfilled with clean caliche to support the weight of area transport traffic.
- The pasture area was restored to grade and seeded with BLM #1 seed mixture.

Conclusion

Based on the above confirmation of field analysis; the excavated area was backfilled with fresh clean topsoil, terraced to grade and reseeded. All impacted soils were removed to an NMOCD approved facility. Therefore BDS Enterprise, respectfully submits this closure report for your consideration and approval. And, requests that the regulatory file for this incident be closed.

Appendix I	C-141 Spill Notification
Appendix II	Site Maps
Appendix III	Groundwater Data, Soil Survey, Wetlands Map
Appendix IV	Photographic Documentation
Appendix V	Laboratory Data
Appendix VI	Correspondence NMOCD



Appendix I

NMOCD

C-141

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

State of New Mexico
Energy Minerals and Natural
Resources Department

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

Form C-141
Revised August 24, 2018
Submit to appropriate OCD District office

Incident ID	nAPP2315035246
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party	Blackbuck Resources	OGRID
Contact Name	Don Gosch	Contact Telephone (325) 725-3325
Contact email	don.gosch@blackbuckresources.com	Incident # (assigned by OCD)
Contact mailing address	Blackbuck Resources 3300, N, A Street, Building 5, Suite 120, Midland, Texas, 79705	

Location of Release Source

Latitude 32.15127N _____ Longitude 104.24928W _____
(NAD 83 in decimal degrees to 5 decimal places)

Site Name	Marquardt Riser	Site Type	pipeline water transfer pump location
Date Release Discovered	5/3/2023	API# (if applicable)	

Unit Letter	Section	Township	Range	County
C	12	25s	26e	Eddy

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)

<input type="checkbox"/> Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Produced Water *	Volume Released (bbls) 157bbls ~	Volume Recovered (bbls) 0
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input type="checkbox"/> Yes * <input type="checkbox"/> No
<input type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release; failure of pump casing component

State of New Mexico
Oil Conservation Division

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Was this a major release as defined by 19.15.29.7(A) NMAC? <input type="checkbox"/> X Yes <input type="checkbox"/> No	If YES, for what reason(s) does the responsible party consider this a major release? Volume was greater than 25 bbls of produced water.
--	---

If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?
 Phone message left with Rosa Romero (575) 636-0353 @ 2:22 p.m. Central time on 5/3/2023
 Unable to leave phone message with Robert Hamlet (575) 909-0302 @ 2:24 p.m. Central time 5/3/2023
 Email sent to Rosa Romero and Robert Hamlet on 5/3/2023 @ 2:13 p.m.
 Email to Rosa Romero and Robert Hamlet with Form C-141 pages 1 & 2 completed on 5/3/2023 @ 5:35 p.m. central time.

Initial Response

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

<input type="checkbox"/> * The source of the release has been stopped. <input type="checkbox"/> *The impacted area has been secured to protect human health and the environment. <input type="checkbox"/> * Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. <input type="checkbox"/> * All free liquids and recoverable materials have been removed and managed appropriately.

If all the actions described above have not been undertaken, explain why:
 Source of release has been stopped.
 Crew enroute to place flagging tape around impacted area.
 No free standing water to contain.
 Hydro vac truck enroute to start removing impacted soil.

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

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

Printed Name: Don Gosch Title: Director of Operations
 Signature: *Don Gosch* Date: 5/3/2023
 email: don.gosch@blackbuckresources.com Telephone: (325)-725-3325

OCD Only
 Received by: Shelly Wells Date: 9/7/2023

Incident ID	nAPP2315035246
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Facility ID	
Application ID	

Site Assessment/Characterization

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

What is the shallowest depth to groundwater beneath the area affected by the release?	_52_ (ft bgs)
Did this release impact groundwater or surface water?	<input type="checkbox"/> Yes <input type="checkbox"/> X No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	<input type="checkbox"/> Yes <input type="checkbox"/> X 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)?	<input type="checkbox"/> Yes <input type="checkbox"/> X No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	<input type="checkbox"/> Yes <input type="checkbox"/> X 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?	<input type="checkbox"/> Yes <input type="checkbox"/> X No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	<input type="checkbox"/> Yes <input type="checkbox"/> X No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	<input type="checkbox"/> Yes <input type="checkbox"/> X No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes <input type="checkbox"/> X No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input type="checkbox"/> X No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input type="checkbox"/> Yes <input type="checkbox"/> X No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input type="checkbox"/> X No
Did the release impact areas not on an exploration, development, production, or storage site?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> 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
- Depth to water determination
- Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release
- Boring or excavation logs
- Photographs including date and GIS information
- Topographic/Aerial maps
- Laboratory data including chain of custody

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

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Oil Conservation Division

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

Printed Name: Don Gosch

Title: Director of Operations

Signature: *Don Gosch*

Date: 8/31/2023

email: don.gosch@blackbuckresources.com

Telephone: (325)-725-3325

OCD Only

Received by: Shelly Wells

Date: 9/7/2023

Incident ID	nAPP2315035246
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Remediation Plan

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

- Detailed description of proposed remediation technique
- Scaled sitemap with GPS coordinates showing delineation points
- Estimated volume of material to be remediated
- Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC
- Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)

Deferral Requests Only: *Each of the following items must be confirmed as part of any request for deferral of remediation.*

- Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.
- Extents of contamination must be fully delineated.
- Contamination does not cause an imminent risk to human health, the environment, or groundwater.

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

Printed Name: Don Gosch

Title: Director of Operations

Signature: *Don Gosch*

Date: 8/31/2023

email: don.gosch@blackbuckresources.com

Telephone: (325)-725-3325

OCD Only

Received by: Shelly Wells Date: 9/7/2023

- Approved Approved with Attached Conditions of Approval Denied Deferral Approved

Signature: _____ Date: _____

Incident ID	nAPP2315035246
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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: Don Gosch

Title: Director of Operations

Signature: *Don Gosch*

Date: 5/3/2023

email: don.gosch@blackbuckresources.com

Telephone: (325)-725-3325

OCD Only

Received by: Shelly Wells

Date: 9/7/2023

Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.

Closure Approved by: _____ Date: _____

Printed Name: _____ Title: _____

jamesc@bdsoilfield.com

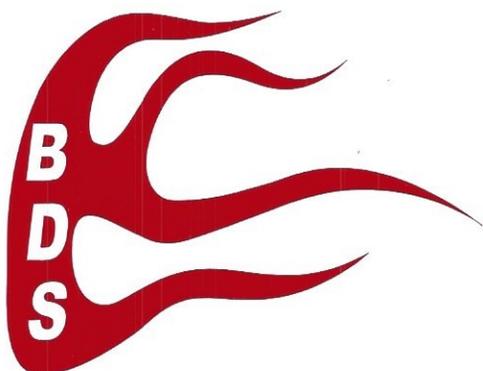
From: jamesc@bdsoilfield.com
Sent: Tuesday, June 27, 2023 1:11 PM
To: 'OCD.Enviro@emnrd.nm.gov'
Cc: 'BDS'
Subject: 48 hour confirmation notice

Good Afternoon,

This is a notice of a confirmation sampling event occurring at the Marquardt Riser, incident #nAPP2315035246, located at (32.15127, -104.24928) will be taking place on Friday June 30th at 8:00 A.M.

Thank you,

James Carnes
Environmental Scientist
C: 405-627-4694

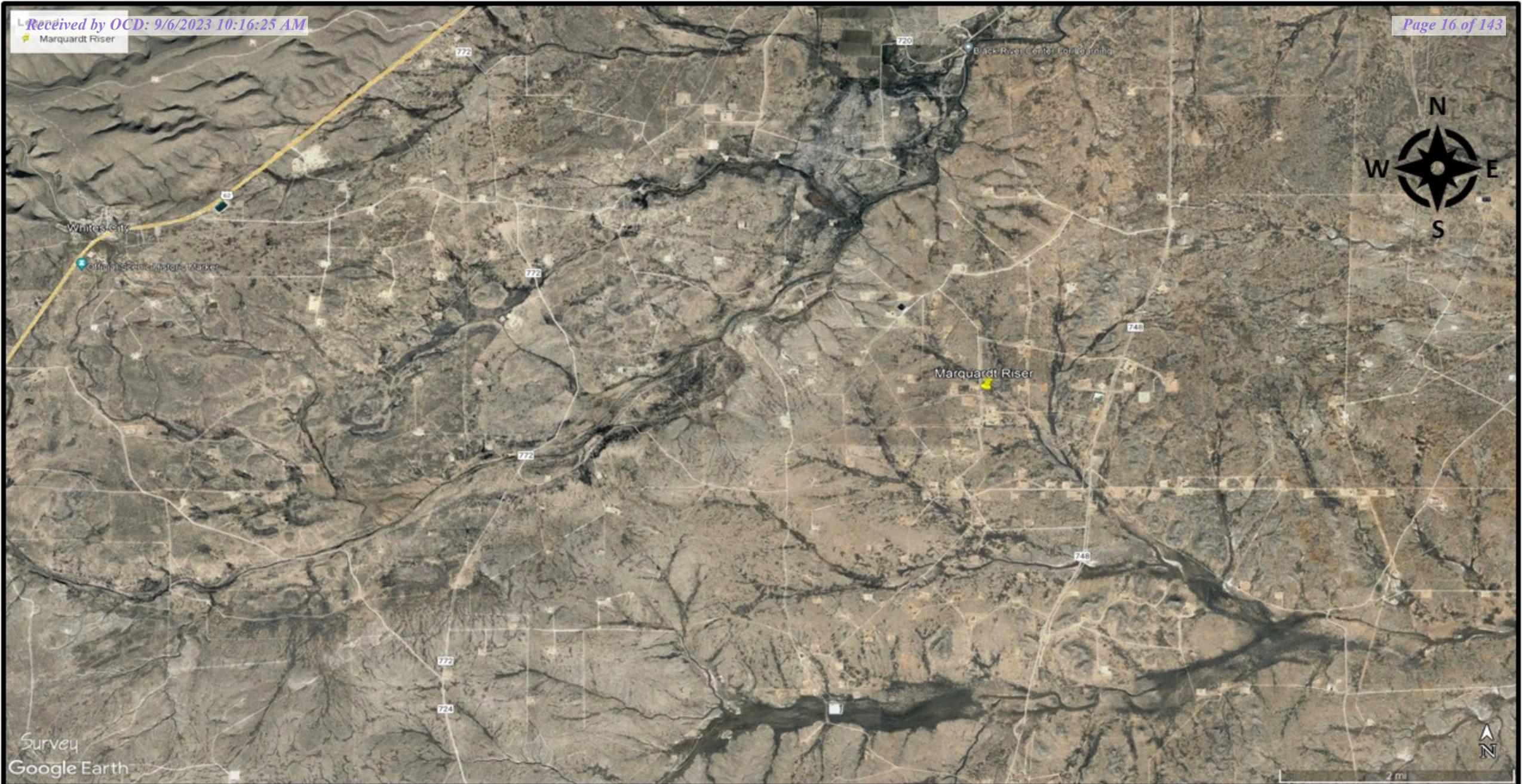




Appendix II

Site Maps

Marquardt Riser



Marquardt Riser



Marquardt Riser



Marquardt Riser



Survey
Google Earth



2000 ft

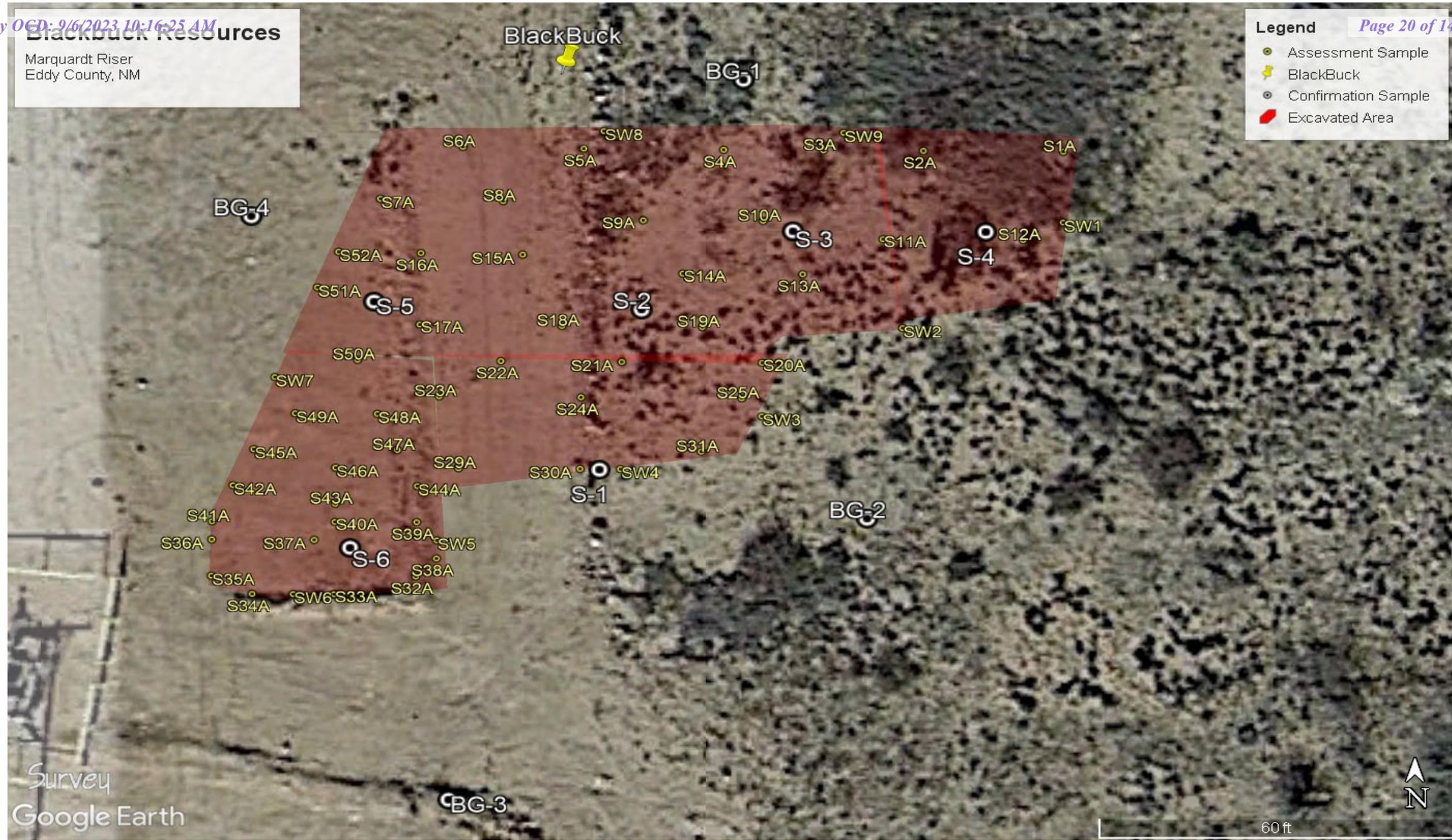
- BlackBuck
- Impacted Area
- Sample Position



BlackBuck Resources
Marquardt Riser
Eddy County, NM

Legend

-  Assessment Sample
-  BlackBuck
-  Confirmation Sample
-  Excavated Area



Survey
Google Earth



60 ft



Appendix III

Groundwater Data, Soil Survey, & Wetlands Map



New Mexico Office of the State Engineer

Water Column/Average Depth to Water

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

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

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are smallest to largest) (NAD83 UTM in meters)

(In feet)

POD Number	POD Code	Sub-basin	County	Q 64	Q 16	Q 4	Q Sec	Tw	Rng	X	Y	Distance	Well Depth	Water Column
<u>C 03569</u> POD1		CUB	ED	2	1	1	14	25S	26E	568862	3555746	2611	30	0 30
<u>C 03200</u> POD1		C	ED	2	3	4	34	24S	26E	568206	3559349	3222	80	52 28
<u>C 01089</u>		C	ED	3	4	1	03	25S	26E	567505	3558398*	3446	96	45 51
<u>C 04586</u> POD1		C	ED	4	1	1	35	24S	26E	568993	3560476	3519	150	
<u>C 00819</u>		C	ED		4	4	26	24S	26E	570022	3560935*	3556	62	42 20
<u>C 03654</u> POD1		CUB	ED	2	3	1	24	25S	26E	570654	3553773	3700		
<u>C 03261</u> POD1		CUB	ED	3	2	1	20	25S	27E	574007	3554006*	4704	351	
<u>C 00262</u> POD2		C	ED	4	3	1	24	24S	26E	570234	3562337	4903	45	18 27
<u>C 00792</u>		C	ED		4	2	27	24S	26E	568397	3561747*	4917	70	30 40
<u>C 01368</u>		C	ED		1	1	22	25S	26E	567261	3554059*	4932	143	118 25
<u>C 02675</u>		C	ED	1	4	1	09	25S	26E	565907	3556978*	4941	180	45 135

Average Depth to Water: **43 feet**
 Minimum Depth: **0 feet**
 Maximum Depth: **118 feet**

Record Count: 11

UTMNAD83 Radius Search (in meters):

Easting (X): 570824

Northing (Y): 3557470

Radius: 5000

*UTM location was derived from PLSS - see Help

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

5/26/23 9:35 AM

WATER COLUMN/ AVERAGE DEPTH TO WATER



New Mexico Office of the State Engineer

Point of Diversion Summary

Well Tag	POD Number	(quarters are 1=NW 2=NE 3=SW 4=SE)				(quarters are smallest to largest)				(NAD83 UTM in meters)	
		Q64	Q16	Q4	Sec	Tws	Rng	X	Y		
C	03200 POD1	2	3	4	34	24S	26E	568206	3559349		

Driller License: 685 **Driller Company:** BRAZEAL, JOHN
Driller Name: WAYNE BRAZEAL
Drill Start Date: 08/12/2005 **Drill Finish Date:** 08/20/2005 **Plug Date:**
Log File Date: 08/18/2006 **PCW Rev Date:** **Source:** Shallow
Pump Type: **Pipe Discharge Size:** **Estimated Yield:** 8 GPM
Casing Size: **Depth Well:** 80 feet **Depth Water:** 52 feet

Water Bearing Stratifications:	Top	Bottom	Description
	65	75	Sandstone/Gravel/Conglomerate

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

5/26/23 9:35 AM

POINT OF DIVERSION SUMMARY

Custom Soil Resource Report
Soil Map



Soil Map may not be valid at this scale.

Map Scale: 1:932 if printed on A landscape (11" x 8.5") sheet.

Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 13N WGS84

Custom Soil Resource Report

MAP LEGEND

Area of Interest (AOI)

- Area of Interest (AOI)

Soils

- Soil Map Unit Polygons
- Soil Map Unit Lines
- Soil Map Unit Points

Special Point Features

- Blowout
- Borrow Pit
- Clay Spot
- Closed Depression
- Gravel Pit
- Gravelly Spot
- Landfill
- Lava Flow
- Marsh or swamp
- Mine or Quarry
- Miscellaneous Water
- Perennial Water
- Rock Outcrop
- Saline Spot
- Sandy Spot
- Severely Eroded Spot
- Sinkhole
- Slide or Slip
- Sodic Spot

- Spoil Area
- Stony Spot
- Very Stony Spot
- Wet Spot
- Other
- Special Line Features

Water Features

- Streams and Canals

Transportation

- Rails
- Interstate Highways
- US Routes
- Major Roads
- Local Roads

Background

- Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:20,000.

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

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

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

Source of Map: Natural Resources Conservation Service
 Web Soil Survey URL:
 Coordinate System: Web Mercator (EPSG:3857)

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

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

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

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

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

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

Custom Soil Resource Report

Eddy Area, New Mexico**RG—Reeves-Gypsum land complex, 0 to 3 percent slopes****Map Unit Setting**

National map unit symbol: 1w5f
Elevation: 1,250 to 5,000 feet
Mean annual precipitation: 10 to 25 inches
Mean annual air temperature: 57 to 70 degrees F
Frost-free period: 190 to 235 days
Farmland classification: Not prime farmland

Map Unit Composition

Reeves and similar soils: 55 percent
Gypsum land: 30 percent
Minor components: 15 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Reeves**Setting**

Landform: Ridges, plains, hills
Landform position (two-dimensional): Shoulder, backslope, footslope, toeslope
Landform position (three-dimensional): Side slope, head slope, nose slope, crest
Down-slope shape: Convex
Across-slope shape: Linear
Parent material: Residuum weathered from gypsum

Typical profile

H1 - 0 to 8 inches: loam
H2 - 8 to 32 inches: clay loam
H3 - 32 to 60 inches: gypsiferous material

Properties and qualities

Slope: 0 to 1 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
Runoff class: High
Capacity of the most limiting layer to transmit water (Ksat): Very low to moderately low (0.00 to 0.06 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 25 percent
Gypsum, maximum content: 80 percent
Maximum salinity: Very slightly saline to moderately saline (2.0 to 8.0 mmhos/cm)
Sodium adsorption ratio, maximum: 4.0
Available water supply, 0 to 60 inches: Low (about 4.3 inches)

Interpretive groups

Land capability classification (irrigated): 3s
Land capability classification (nonirrigated): 7s
Hydrologic Soil Group: B
Ecological site: R070BC007NM - Loamy
Hydric soil rating: No

Custom Soil Resource Report

Description of Gypsum Land

Setting

Landform: Ridges, plains, hills

Landform position (two-dimensional): Shoulder, backslope, footslope, toeslope

Landform position (three-dimensional): Side slope, head slope, nose slope, crest

Down-slope shape: Convex

Across-slope shape: Linear

Parent material: Residuum weathered from gypsum

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 8s

Hydric soil rating: No

Minor Components

Largo

Percent of map unit: 5 percent

Ecological site: R070BC007NM - Loamy

Hydric soil rating: No

Reagan

Percent of map unit: 5 percent

Ecological site: R070BC007NM - Loamy

Hydric soil rating: No

Cottonwood

Percent of map unit: 5 percent

Ecological site: R070BC033NM - Salty Bottomland

Hydric soil rating: No

National Flood Hazard Layer FIRMette



32°9'20"N 104°14'38"W

Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

SPECIAL FLOOD HAZARD AREAS

- Without Base Flood Elevation (BFE)
Zone A, V, A99
- With BFE or Depth
Zone AE, AO, AH, VE, AP
- Regulatory Floodway

OTHER AREAS OF FLOOD HAZARD

- 0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile
Zone X
- Future Conditions 1% Annual Chance Flood Hazard
Zone X
- Area with Reduced Flood Risk due to Levee. See Notes.
Zone X
- Area with Flood Risk due to Levee
Zone B, Zone D

OTHER AREAS

- NO SCREEN
- Area of Minimal Flood Hazard
Zone X
- Effective LOMRs
- Area of Undetermined Flood Hazard
Zone D

GENERAL STRUCTURES

- Channel, Culvert, or Storm Sewer
- Levee, Dike, or Floodwall

OTHER FEATURES

- Cross Sections with 1% Annual Chance Water Surface Elevation
- Coastal Transect
- Base Flood Elevation Line (BFE)
- Limit of Study
- Jurisdiction Boundary
- Coastal Transect Baseline
- Profile Baseline
- Hydrographic Feature

MAP PANELS

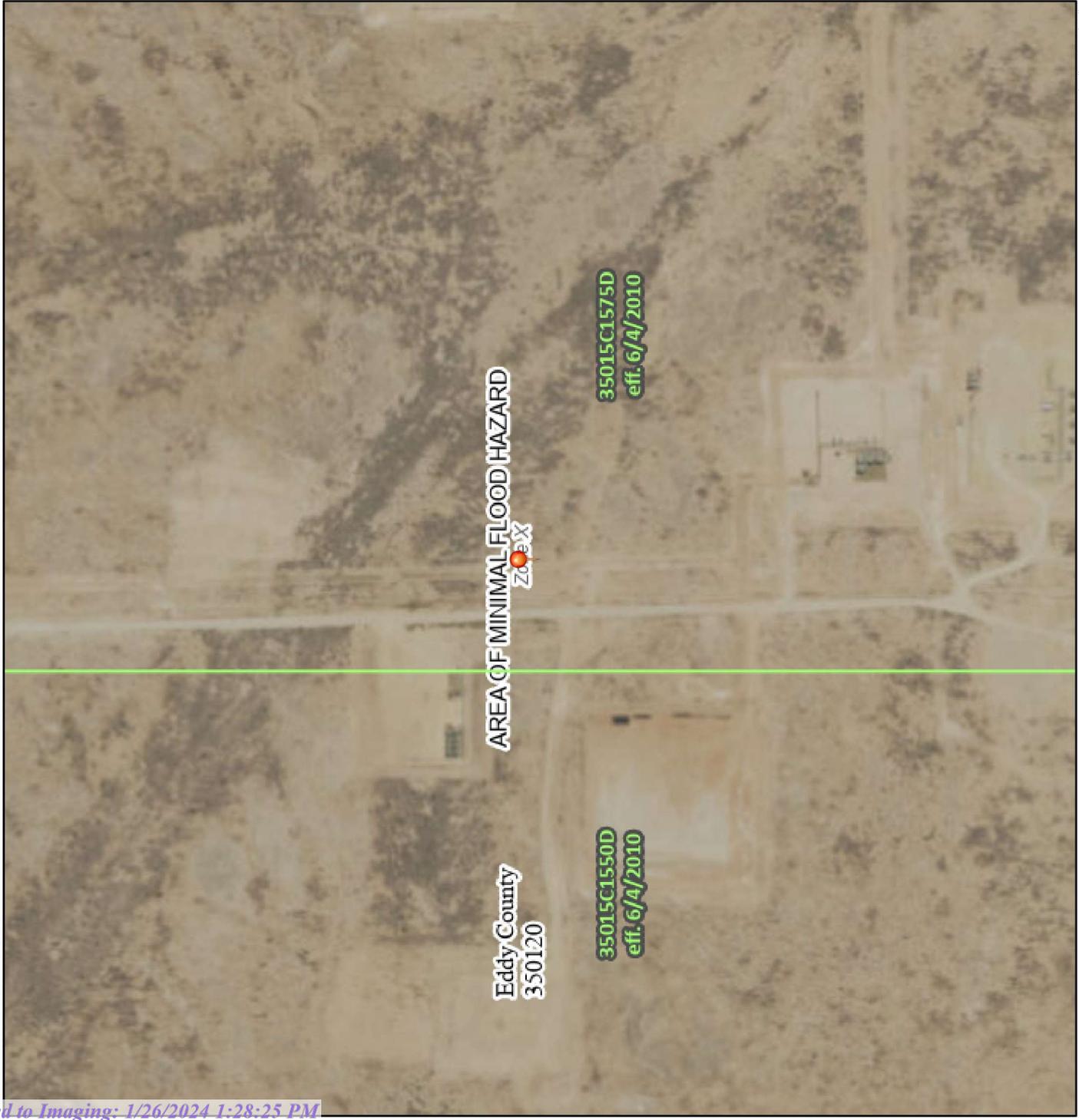
- Digital Data Available
- No Digital Data Available
- Unmapped

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

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

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 5/26/2023 at 11:40 AM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

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



0 250 500 1,000 1,500 2,000 Feet 1:6,000

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

104°14'38"W 32°9'20"N

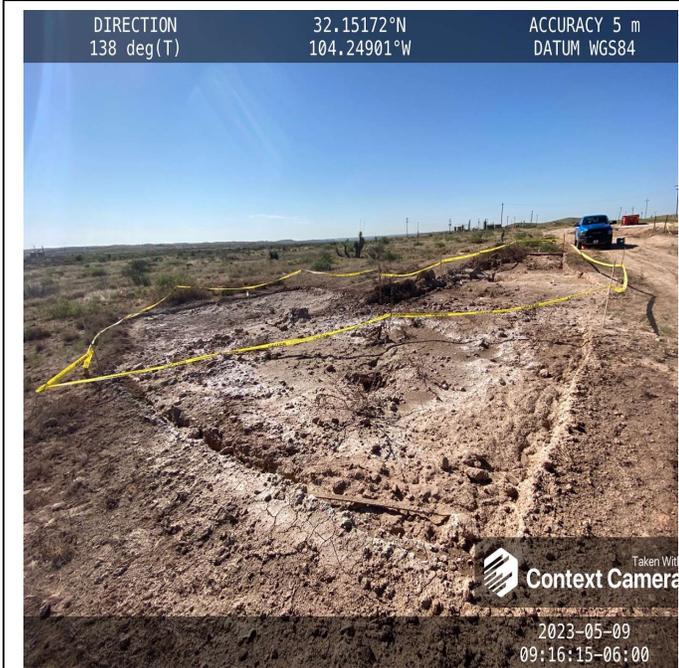


Appendix IV

Photographic Documentation



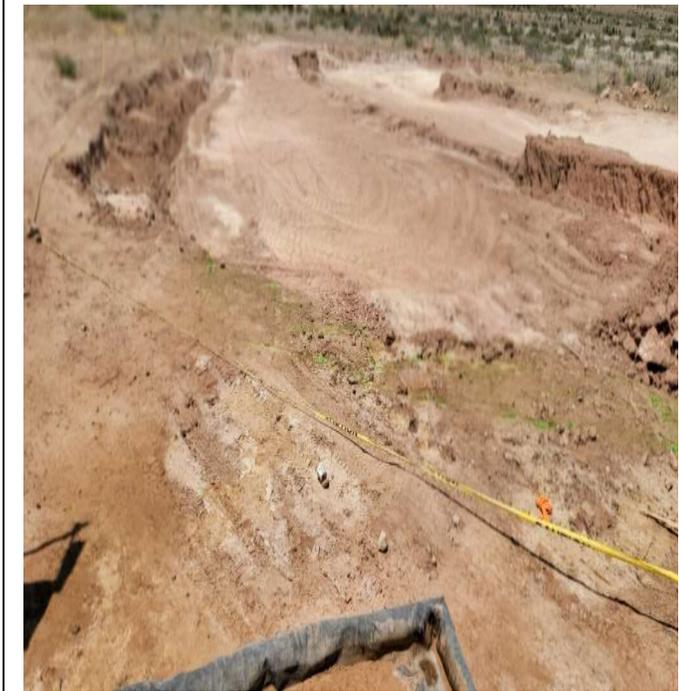
BlackBuck
Marquardt Riser



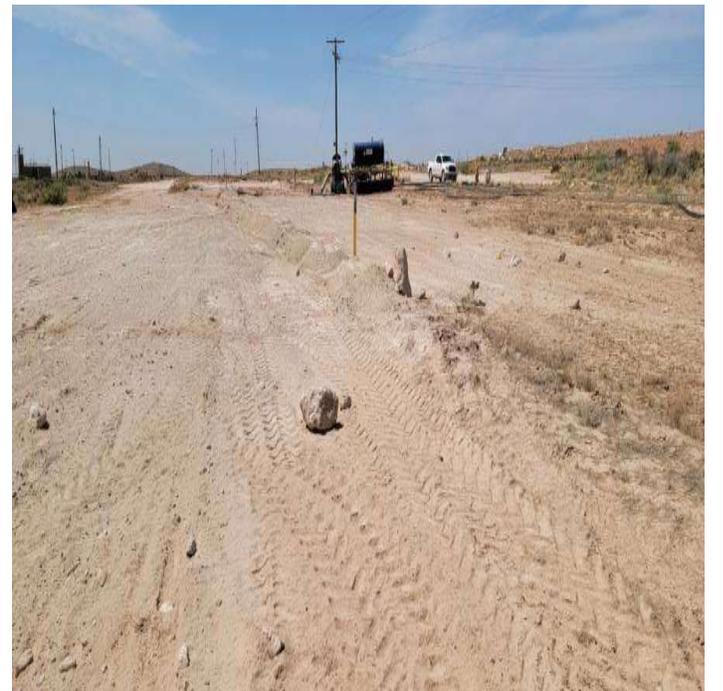
Impacted area



Impacted area



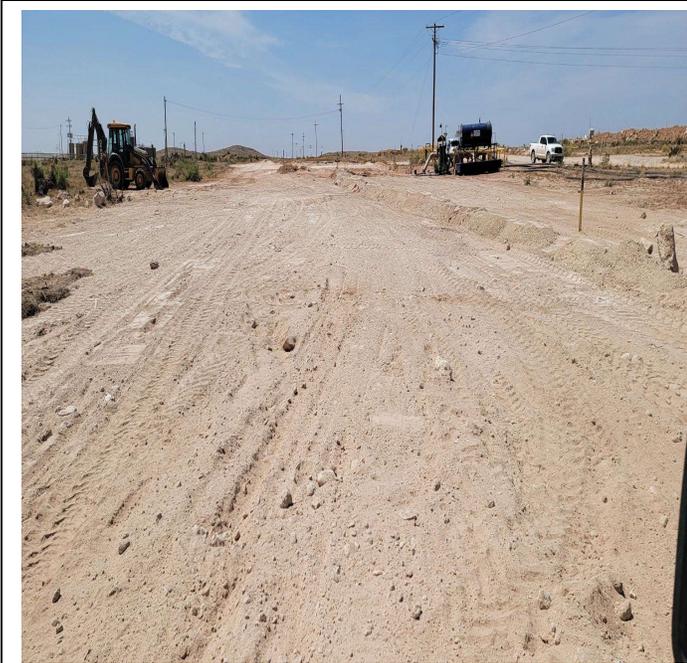
Excavation, view North



Backfill to grade.



BlackBuck
Marquardt Riser



Backfill to grade.



Backfill to grade.



Appendix V

Laboratory Data



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

May 10, 2023

REBECCA PONS

BDS ENTERPRISES

1705 E. GREENE STREET

CARLSBAD, NM 88220

RE: BLACKBUCK MARQUARDT 15-16

Enclosed are the results of analyses for samples received by the laboratory on 05/09/23 12:59.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

BDS ENTERPRISES
 REBECCA PONS
 1705 E. GREENE STREET
 CARLSBAD NM, 88220
 Fax To:

Received:	05/09/2023	Sampling Date:	05/09/2023
Reported:	05/10/2023	Sampling Type:	Soil
Project Name:	BLACKBUCK MARQUARDT 15-16	Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	EDDY CO		

Sample ID: S - 1 0-1' (H232289-01)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/09/2023	ND	2.29	115	2.00	17.2	
Toluene*	<0.050	0.050	05/09/2023	ND	2.26	113	2.00	16.2	
Ethylbenzene*	<0.050	0.050	05/09/2023	ND	2.26	113	2.00	17.3	
Total Xylenes*	<0.150	0.150	05/09/2023	ND	6.87	114	6.00	16.9	
Total BTEX	<0.300	0.300	05/09/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	784	16.0	05/10/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/09/2023	ND	183	91.3	200	3.22	
DRO >C10-C28*	29.4	10.0	05/09/2023	ND	178	89.1	200	2.81	
EXT DRO >C28-C36	<10.0	10.0	05/09/2023	ND					

Surrogate: 1-Chlorooctane 95.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

BDS ENTERPRISES
 REBECCA PONS
 1705 E. GREENE STREET
 CARLSBAD NM, 88220
 Fax To:

Received:	05/09/2023	Sampling Date:	05/09/2023
Reported:	05/10/2023	Sampling Type:	Soil
Project Name:	BLACKBUCK MARQUARDT 15-16	Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	EDDY CO		

Sample ID: S - 1 2' (H232289-02)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/09/2023	ND	2.29	115	2.00	17.2	
Toluene*	<0.050	0.050	05/09/2023	ND	2.26	113	2.00	16.2	
Ethylbenzene*	<0.050	0.050	05/09/2023	ND	2.26	113	2.00	17.3	
Total Xylenes*	<0.150	0.150	05/09/2023	ND	6.87	114	6.00	16.9	
Total BTEX	<0.300	0.300	05/09/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	05/10/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/09/2023	ND	183	91.3	200	3.22	
DRO >C10-C28*	<10.0	10.0	05/09/2023	ND	178	89.1	200	2.81	
EXT DRO >C28-C36	<10.0	10.0	05/09/2023	ND					

Surrogate: 1-Chlorooctane 87.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.0 % 49.1-148

Cardinal Laboratories

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

BDS ENTERPRISES
 REBECCA PONS
 1705 E. GREENE STREET
 CARLSBAD NM, 88220
 Fax To:

Received:	05/09/2023	Sampling Date:	05/09/2023
Reported:	05/10/2023	Sampling Type:	Soil
Project Name:	BLACKBUCK MARQUARDT 15-16	Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	EDDY CO		

Sample ID: S - 1 3' (H232289-03)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/09/2023	ND	2.29	115	2.00	17.2	
Toluene*	<0.050	0.050	05/09/2023	ND	2.26	113	2.00	16.2	
Ethylbenzene*	<0.050	0.050	05/09/2023	ND	2.26	113	2.00	17.3	
Total Xylenes*	<0.150	0.150	05/09/2023	ND	6.87	114	6.00	16.9	
Total BTEX	<0.300	0.300	05/09/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	05/10/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/09/2023	ND	183	91.3	200	3.22	
DRO >C10-C28*	<10.0	10.0	05/09/2023	ND	178	89.1	200	2.81	
EXT DRO >C28-C36	<10.0	10.0	05/09/2023	ND					

Surrogate: 1-Chlorooctane 81.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.0 % 49.1-148

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

BDS ENTERPRISES
 REBECCA PONS
 1705 E. GREENE STREET
 CARLSBAD NM, 88220
 Fax To:

Received:	05/09/2023	Sampling Date:	05/09/2023
Reported:	05/10/2023	Sampling Type:	Soil
Project Name:	BLACKBUCK MARQUARDT 15-16	Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	EDDY CO		

Sample ID: S - 1 4' (H232289-04)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/09/2023	ND	2.29	115	2.00	17.2		
Toluene*	<0.050	0.050	05/09/2023	ND	2.26	113	2.00	16.2		
Ethylbenzene*	<0.050	0.050	05/09/2023	ND	2.26	113	2.00	17.3		
Total Xylenes*	<0.150	0.150	05/09/2023	ND	6.87	114	6.00	16.9		
Total BTEX	<0.300	0.300	05/09/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	05/10/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	05/09/2023	ND	183	91.3	200	3.22		
DRO >C10-C28*	<10.0	10.0	05/09/2023	ND	178	89.1	200	2.81		
EXT DRO >C28-C36	<10.0	10.0	05/09/2023	ND						

Surrogate: 1-Chlorooctane 90.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

BDS ENTERPRISES
 REBECCA PONS
 1705 E. GREENE STREET
 CARLSBAD NM, 88220
 Fax To:

Received:	05/09/2023	Sampling Date:	05/09/2023
Reported:	05/10/2023	Sampling Type:	Soil
Project Name:	BLACKBUCK MARQUARDT 15-16	Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	EDDY CO		

Sample ID: S - 2 0-1' (H232289-05)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/09/2023	ND	2.29	115	2.00	17.2	
Toluene*	<0.050	0.050	05/09/2023	ND	2.26	113	2.00	16.2	
Ethylbenzene*	<0.050	0.050	05/09/2023	ND	2.26	113	2.00	17.3	
Total Xylenes*	<0.150	0.150	05/09/2023	ND	6.87	114	6.00	16.9	
Total BTEX	<0.300	0.300	05/09/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1090	16.0	05/10/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/09/2023	ND	183	91.3	200	3.22	
DRO >C10-C28*	37.0	10.0	05/09/2023	ND	178	89.1	200	2.81	
EXT DRO >C28-C36	<10.0	10.0	05/09/2023	ND					

Surrogate: 1-Chlorooctane 97.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 112 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

BDS ENTERPRISES
 REBECCA PONS
 1705 E. GREENE STREET
 CARLSBAD NM, 88220
 Fax To:

Received:	05/09/2023	Sampling Date:	05/09/2023
Reported:	05/10/2023	Sampling Type:	Soil
Project Name:	BLACKBUCK MARQUARDT 15-16	Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	EDDY CO		

Sample ID: S - 2 2' (H232289-06)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/09/2023	ND	2.29	115	2.00	17.2	
Toluene*	<0.050	0.050	05/09/2023	ND	2.26	113	2.00	16.2	
Ethylbenzene*	<0.050	0.050	05/09/2023	ND	2.26	113	2.00	17.3	
Total Xylenes*	<0.150	0.150	05/09/2023	ND	6.87	114	6.00	16.9	
Total BTEX	<0.300	0.300	05/09/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	720	16.0	05/10/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/09/2023	ND	183	91.3	200	3.22	
DRO >C10-C28*	<10.0	10.0	05/09/2023	ND	178	89.1	200	2.81	
EXT DRO >C28-C36	<10.0	10.0	05/09/2023	ND					

Surrogate: 1-Chlorooctane 88.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

BDS ENTERPRISES
 REBECCA PONS
 1705 E. GREENE STREET
 CARLSBAD NM, 88220
 Fax To:

Received:	05/09/2023	Sampling Date:	05/09/2023
Reported:	05/10/2023	Sampling Type:	Soil
Project Name:	BLACKBUCK MARQUARDT 15-16	Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	EDDY CO		

Sample ID: S - 2 3'R (H232289-07)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/09/2023	ND	2.29	115	2.00	17.2	
Toluene*	<0.050	0.050	05/09/2023	ND	2.26	113	2.00	16.2	
Ethylbenzene*	<0.050	0.050	05/09/2023	ND	2.26	113	2.00	17.3	
Total Xylenes*	<0.150	0.150	05/09/2023	ND	6.87	114	6.00	16.9	
Total BTEX	<0.300	0.300	05/09/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	05/10/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/09/2023	ND	183	91.3	200	3.22	
DRO >C10-C28*	<10.0	10.0	05/09/2023	ND	178	89.1	200	2.81	
EXT DRO >C28-C36	<10.0	10.0	05/09/2023	ND					

Surrogate: 1-Chlorooctane 86.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

BDS ENTERPRISES
 REBECCA PONS
 1705 E. GREENE STREET
 CARLSBAD NM, 88220
 Fax To:

Received:	05/09/2023	Sampling Date:	05/09/2023
Reported:	05/10/2023	Sampling Type:	Soil
Project Name:	BLACKBUCK MARQUARDT 15-16	Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	EDDY CO		

Sample ID: S - 3 0-1' (H232289-08)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/09/2023	ND	2.29	115	2.00	17.2	
Toluene*	<0.050	0.050	05/09/2023	ND	2.26	113	2.00	16.2	
Ethylbenzene*	<0.050	0.050	05/09/2023	ND	2.26	113	2.00	17.3	
Total Xylenes*	<0.150	0.150	05/09/2023	ND	6.87	114	6.00	16.9	
Total BTEX	<0.300	0.300	05/09/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	976	16.0	05/10/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/09/2023	ND	183	91.3	200	3.22	
DRO >C10-C28*	<10.0	10.0	05/09/2023	ND	178	89.1	200	2.81	
EXT DRO >C28-C36	<10.0	10.0	05/09/2023	ND					

Surrogate: 1-Chlorooctane 91.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 105 % 49.1-148

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Analytical Results For:

BDS ENTERPRISES
 REBECCA PONS
 1705 E. GREENE STREET
 CARLSBAD NM, 88220
 Fax To:

Received:	05/09/2023	Sampling Date:	05/09/2023
Reported:	05/10/2023	Sampling Type:	Soil
Project Name:	BLACKBUCK MARQUARDT 15-16	Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	EDDY CO		

Sample ID: S - 3 2'R (H232289-09)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/09/2023	ND	2.29	115	2.00	17.2	
Toluene*	<0.050	0.050	05/09/2023	ND	2.26	113	2.00	16.2	
Ethylbenzene*	<0.050	0.050	05/09/2023	ND	2.26	113	2.00	17.3	
Total Xylenes*	<0.150	0.150	05/09/2023	ND	6.87	114	6.00	16.9	
Total BTEX	<0.300	0.300	05/09/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	880	16.0	05/10/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/09/2023	ND	183	91.3	200	3.22	
DRO >C10-C28*	<10.0	10.0	05/09/2023	ND	178	89.1	200	2.81	
EXT DRO >C28-C36	<10.0	10.0	05/09/2023	ND					

Surrogate: 1-Chlorooctane 82.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

BDS ENTERPRISES
 REBECCA PONS
 1705 E. GREENE STREET
 CARLSBAD NM, 88220
 Fax To:

Received:	05/09/2023	Sampling Date:	05/09/2023
Reported:	05/10/2023	Sampling Type:	Soil
Project Name:	BLACKBUCK MARQUARDT 15-16	Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	EDDY CO		

Sample ID: S - 4 0-1' (H232289-10)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/09/2023	ND	2.29	115	2.00	17.2	
Toluene*	<0.050	0.050	05/09/2023	ND	2.26	113	2.00	16.2	
Ethylbenzene*	<0.050	0.050	05/09/2023	ND	2.26	113	2.00	17.3	
Total Xylenes*	<0.150	0.150	05/09/2023	ND	6.87	114	6.00	16.9	
Total BTEX	<0.300	0.300	05/09/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4800	16.0	05/10/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/09/2023	ND	183	91.3	200	3.22	
DRO >C10-C28*	<10.0	10.0	05/09/2023	ND	178	89.1	200	2.81	
EXT DRO >C28-C36	<10.0	10.0	05/09/2023	ND					

Surrogate: 1-Chlorooctane 96.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 108 % 49.1-148

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Analytical Results For:

BDS ENTERPRISES
 REBECCA PONS
 1705 E. GREENE STREET
 CARLSBAD NM, 88220
 Fax To:

Received:	05/09/2023	Sampling Date:	05/09/2023
Reported:	05/10/2023	Sampling Type:	Soil
Project Name:	BLACKBUCK MARQUARDT 15-16	Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	EDDY CO		

Sample ID: S - 4 2' (H232289-11)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/09/2023	ND	2.29	115	2.00	17.2	
Toluene*	<0.050	0.050	05/09/2023	ND	2.26	113	2.00	16.2	
Ethylbenzene*	<0.050	0.050	05/09/2023	ND	2.26	113	2.00	17.3	
Total Xylenes*	<0.150	0.150	05/09/2023	ND	6.87	114	6.00	16.9	
Total BTEX	<0.300	0.300	05/09/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	416	16.0	05/10/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/09/2023	ND	183	91.3	200	3.22	
DRO >C10-C28*	<10.0	10.0	05/09/2023	ND	178	89.1	200	2.81	
EXT DRO >C28-C36	<10.0	10.0	05/09/2023	ND					

Surrogate: 1-Chlorooctane 99.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 116 % 49.1-148

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Analytical Results For:

BDS ENTERPRISES
 REBECCA PONS
 1705 E. GREENE STREET
 CARLSBAD NM, 88220
 Fax To:

Received:	05/09/2023	Sampling Date:	05/09/2023
Reported:	05/10/2023	Sampling Type:	Soil
Project Name:	BLACKBUCK MARQUARDT 15-16	Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	EDDY CO		

Sample ID: S - 4 3' (H232289-12)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/09/2023	ND	2.29	115	2.00	17.2	
Toluene*	<0.050	0.050	05/09/2023	ND	2.26	113	2.00	16.2	
Ethylbenzene*	<0.050	0.050	05/09/2023	ND	2.26	113	2.00	17.3	
Total Xylenes*	<0.150	0.150	05/09/2023	ND	6.87	114	6.00	16.9	
Total BTEX	<0.300	0.300	05/09/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	464	16.0	05/10/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/09/2023	ND	183	91.3	200	3.22	
DRO >C10-C28*	<10.0	10.0	05/09/2023	ND	178	89.1	200	2.81	
EXT DRO >C28-C36	<10.0	10.0	05/09/2023	ND					

Surrogate: 1-Chlorooctane 97.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 112 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

BDS ENTERPRISES
 REBECCA PONS
 1705 E. GREENE STREET
 CARLSBAD NM, 88220
 Fax To:

Received:	05/09/2023	Sampling Date:	05/09/2023
Reported:	05/10/2023	Sampling Type:	Soil
Project Name:	BLACKBUCK MARQUARDT 15-16	Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	EDDY CO		

Sample ID: S - 4 4' (H232289-13)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/09/2023	ND	2.29	115	2.00	17.2	
Toluene*	<0.050	0.050	05/09/2023	ND	2.26	113	2.00	16.2	
Ethylbenzene*	<0.050	0.050	05/09/2023	ND	2.26	113	2.00	17.3	
Total Xylenes*	<0.150	0.150	05/09/2023	ND	6.87	114	6.00	16.9	
Total BTEX	<0.300	0.300	05/09/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	05/10/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/09/2023	ND	183	91.3	200	3.22	
DRO >C10-C28*	<10.0	10.0	05/09/2023	ND	178	89.1	200	2.81	
EXT DRO >C28-C36	<10.0	10.0	05/09/2023	ND					

Surrogate: 1-Chlorooctane 93.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 108 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

BDS ENTERPRISES
 REBECCA PONS
 1705 E. GREENE STREET
 CARLSBAD NM, 88220
 Fax To:

Received:	05/09/2023	Sampling Date:	05/09/2023
Reported:	05/10/2023	Sampling Type:	Soil
Project Name:	BLACKBUCK MARQUARDT 15-16	Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	EDDY CO		

Sample ID: S - 5 2' (H232289-14)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/09/2023	ND	2.29	115	2.00	17.2		
Toluene*	<0.050	0.050	05/09/2023	ND	2.26	113	2.00	16.2		
Ethylbenzene*	<0.050	0.050	05/09/2023	ND	2.26	113	2.00	17.3		
Total Xylenes*	<0.150	0.150	05/09/2023	ND	6.87	114	6.00	16.9		
Total BTEX	<0.300	0.300	05/09/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1360	16.0	05/10/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	05/09/2023	ND	183	91.3	200	3.22		
DRO >C10-C28*	84.4	10.0	05/09/2023	ND	178	89.1	200	2.81		
EXT DRO >C28-C36	10.3	10.0	05/09/2023	ND						

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 121 % 49.1-148

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Analytical Results For:

BDS ENTERPRISES
 REBECCA PONS
 1705 E. GREENE STREET
 CARLSBAD NM, 88220
 Fax To:

Received:	05/09/2023	Sampling Date:	05/09/2023
Reported:	05/10/2023	Sampling Type:	Soil
Project Name:	BLACKBUCK MARQUARDT 15-16	Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	EDDY CO		

Sample ID: S - 5 3' (H232289-15)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/09/2023	ND	2.29	115	2.00	17.2		
Toluene*	<0.050	0.050	05/09/2023	ND	2.26	113	2.00	16.2		
Ethylbenzene*	<0.050	0.050	05/09/2023	ND	2.26	113	2.00	17.3		
Total Xylenes*	<0.150	0.150	05/09/2023	ND	6.87	114	6.00	16.9		
Total BTEX	<0.300	0.300	05/09/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	05/10/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	05/09/2023	ND	183	91.3	200	3.22		
DRO >C10-C28*	<10.0	10.0	05/09/2023	ND	178	89.1	200	2.81		
EXT DRO >C28-C36	<10.0	10.0	05/09/2023	ND						

Surrogate: 1-Chlorooctane 94.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

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Analytical Results For:

BDS ENTERPRISES
 REBECCA PONS
 1705 E. GREENE STREET
 CARLSBAD NM, 88220
 Fax To:

Received:	05/09/2023	Sampling Date:	05/09/2023
Reported:	05/10/2023	Sampling Type:	Soil
Project Name:	BLACKBUCK MARQUARDT 15-16	Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	EDDY CO		

Sample ID: S - 5 4' (H232289-16)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/09/2023	ND	2.29	115	2.00	17.2	
Toluene*	<0.050	0.050	05/09/2023	ND	2.26	113	2.00	16.2	
Ethylbenzene*	<0.050	0.050	05/09/2023	ND	2.26	113	2.00	17.3	
Total Xylenes*	<0.150	0.150	05/09/2023	ND	6.87	114	6.00	16.9	
Total BTEX	<0.300	0.300	05/09/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	05/10/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/09/2023	ND	183	91.3	200	3.22	
DRO >C10-C28*	<10.0	10.0	05/09/2023	ND	178	89.1	200	2.81	
EXT DRO >C28-C36	<10.0	10.0	05/09/2023	ND					

Surrogate: 1-Chlorooctane 93.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

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Analytical Results For:

BDS ENTERPRISES
 REBECCA PONS
 1705 E. GREENE STREET
 CARLSBAD NM, 88220
 Fax To:

Received:	05/09/2023	Sampling Date:	05/09/2023
Reported:	05/10/2023	Sampling Type:	Soil
Project Name:	BLACKBUCK MARQUARDT 15-16	Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	EDDY CO		

Sample ID: S - 6 2' (H232289-17)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/09/2023	ND	2.29	115	2.00	17.2	
Toluene*	<0.050	0.050	05/09/2023	ND	2.26	113	2.00	16.2	
Ethylbenzene*	<0.050	0.050	05/09/2023	ND	2.26	113	2.00	17.3	
Total Xylenes*	<0.150	0.150	05/09/2023	ND	6.87	114	6.00	16.9	
Total BTEX	<0.300	0.300	05/09/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1540	16.0	05/10/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/09/2023	ND	183	91.3	200	3.22	
DRO >C10-C28*	15.9	10.0	05/09/2023	ND	178	89.1	200	2.81	
EXT DRO >C28-C36	<10.0	10.0	05/09/2023	ND					

Surrogate: 1-Chlorooctane 97.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 111 % 49.1-148

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Analytical Results For:

BDS ENTERPRISES
 REBECCA PONS
 1705 E. GREENE STREET
 CARLSBAD NM, 88220
 Fax To:

Received:	05/09/2023	Sampling Date:	05/09/2023
Reported:	05/10/2023	Sampling Type:	Soil
Project Name:	BLACKBUCK MARQUARDT 15-16	Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	EDDY CO		

Sample ID: S - 6 3' (H232289-18)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/09/2023	ND	2.29	115	2.00	17.2	
Toluene*	<0.050	0.050	05/09/2023	ND	2.26	113	2.00	16.2	
Ethylbenzene*	<0.050	0.050	05/09/2023	ND	2.26	113	2.00	17.3	
Total Xylenes*	<0.150	0.150	05/09/2023	ND	6.87	114	6.00	16.9	
Total BTEX	<0.300	0.300	05/09/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	05/10/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/09/2023	ND	183	91.3	200	3.22	
DRO >C10-C28*	<10.0	10.0	05/09/2023	ND	178	89.1	200	2.81	
EXT DRO >C28-C36	<10.0	10.0	05/09/2023	ND					

Surrogate: 1-Chlorooctane 98.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 112 % 49.1-148

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Analytical Results For:

BDS ENTERPRISES
 REBECCA PONS
 1705 E. GREENE STREET
 CARLSBAD NM, 88220
 Fax To:

Received:	05/09/2023	Sampling Date:	05/09/2023
Reported:	05/10/2023	Sampling Type:	Soil
Project Name:	BLACKBUCK MARQUARDT 15-16	Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	EDDY CO		

Sample ID: S - 6 4' (H232289-19)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/09/2023	ND	2.29	115	2.00	17.2	
Toluene*	<0.050	0.050	05/09/2023	ND	2.26	113	2.00	16.2	
Ethylbenzene*	<0.050	0.050	05/09/2023	ND	2.26	113	2.00	17.3	
Total Xylenes*	<0.150	0.150	05/09/2023	ND	6.87	114	6.00	16.9	
Total BTEX	<0.300	0.300	05/09/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	05/10/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/09/2023	ND	183	91.3	200	3.22	
DRO >C10-C28*	<10.0	10.0	05/09/2023	ND	178	89.1	200	2.81	
EXT DRO >C28-C36	<10.0	10.0	05/09/2023	ND					

Surrogate: 1-Chlorooctane 95.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

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Analytical Results For:

BDS ENTERPRISES
 REBECCA PONS
 1705 E. GREENE STREET
 CARLSBAD NM, 88220
 Fax To:

Received:	05/09/2023	Sampling Date:	05/09/2023
Reported:	05/10/2023	Sampling Type:	Soil
Project Name:	BLACKBUCK MARQUARDT 15-16	Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	EDDY CO		

Sample ID: BG - 1 0' (H232289-20)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/09/2023	ND	2.29	115	2.00	17.2	
Toluene*	<0.050	0.050	05/09/2023	ND	2.26	113	2.00	16.2	
Ethylbenzene*	<0.050	0.050	05/09/2023	ND	2.26	113	2.00	17.3	
Total Xylenes*	<0.150	0.150	05/09/2023	ND	6.87	114	6.00	16.9	
Total BTEX	<0.300	0.300	05/09/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	05/10/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/10/2023	ND	183	91.3	200	3.22	
DRO >C10-C28*	<10.0	10.0	05/10/2023	ND	178	89.1	200	2.81	
EXT DRO >C28-C36	<10.0	10.0	05/10/2023	ND					

Surrogate: 1-Chlorooctane 91.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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Analytical Results For:

BDS ENTERPRISES
 REBECCA PONS
 1705 E. GREENE STREET
 CARLSBAD NM, 88220
 Fax To:

Received:	05/09/2023	Sampling Date:	05/09/2023
Reported:	05/10/2023	Sampling Type:	Soil
Project Name:	BLACKBUCK MARQUARDT 15-16	Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	EDDY CO		

Sample ID: BG - 2 0' (H232289-21)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/09/2023	ND	2.15	108	2.00	10.6	
Toluene*	<0.050	0.050	05/09/2023	ND	2.15	108	2.00	10.9	
Ethylbenzene*	<0.050	0.050	05/09/2023	ND	2.11	106	2.00	10.8	
Total Xylenes*	<0.150	0.150	05/09/2023	ND	6.48	108	6.00	11.6	
Total BTEX	<0.300	0.300	05/09/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	05/10/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/09/2023	ND	197	98.3	200	4.91	
DRO >C10-C28*	<10.0	10.0	05/09/2023	ND	189	94.7	200	7.25	
EXT DRO >C28-C36	<10.0	10.0	05/09/2023	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

BDS ENTERPRISES
 REBECCA PONS
 1705 E. GREENE STREET
 CARLSBAD NM, 88220
 Fax To:

Received:	05/09/2023	Sampling Date:	05/09/2023
Reported:	05/10/2023	Sampling Type:	Soil
Project Name:	BLACKBUCK MARQUARDT 15-16	Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	EDDY CO		

Sample ID: BG - 3 0' (H232289-22)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/09/2023	ND	2.15	108	2.00	10.6	
Toluene*	<0.050	0.050	05/09/2023	ND	2.15	108	2.00	10.9	
Ethylbenzene*	<0.050	0.050	05/09/2023	ND	2.11	106	2.00	10.8	
Total Xylenes*	<0.150	0.150	05/09/2023	ND	6.48	108	6.00	11.6	
Total BTEX	<0.300	0.300	05/09/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	05/10/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/09/2023	ND	197	98.3	200	4.91	
DRO >C10-C28*	<10.0	10.0	05/09/2023	ND	189	94.7	200	7.25	
EXT DRO >C28-C36	<10.0	10.0	05/09/2023	ND					

Surrogate: 1-Chlorooctane 99.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

BDS ENTERPRISES
 REBECCA PONS
 1705 E. GREENE STREET
 CARLSBAD NM, 88220
 Fax To:

Received:	05/09/2023	Sampling Date:	05/09/2023
Reported:	05/10/2023	Sampling Type:	Soil
Project Name:	BLACKBUCK MARQUARDT 15-16	Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	EDDY CO		

Sample ID: BG - 4 0' (H232289-23)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/10/2023	ND	2.15	108	2.00	10.6	
Toluene*	<0.050	0.050	05/10/2023	ND	2.15	108	2.00	10.9	
Ethylbenzene*	<0.050	0.050	05/10/2023	ND	2.11	106	2.00	10.8	
Total Xylenes*	<0.150	0.150	05/10/2023	ND	6.48	108	6.00	11.6	
Total BTEX	<0.300	0.300	05/10/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	05/10/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/09/2023	ND	197	98.3	200	4.91	
DRO >C10-C28*	<10.0	10.0	05/09/2023	ND	189	94.7	200	7.25	
EXT DRO >C28-C36	<10.0	10.0	05/09/2023	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

- QR-04 The RPD for the BS/BSD was outside of historical limits.
- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- ** Samples not received at proper temperature of 6°C or below.
- *** Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: BDS Enterprises Project Manager: Rebecca Pons Address: 1705 E. Greene St City: Carlisle State: NM Zip: 88210 Phone #: 575-689-8324 Fax #: Project #: Project Name: Black Buck Marguardt 15-16 Project Location: Eddy County Sampler Name: S. Carnes, A. Parrs				BILL TO P.O. #: Company: Attn: Address: City: State: Zip: Phone #: Fax #:				
FOR LAB USE ONLY				ANALYSIS REQUEST				
Lab I.D. H233289 1 2 3 4 5 6 7 8 9 10	Sample I.D. S-1 0-1' S-1 2' S-1 3' S-1 4' S-2 0-1' S-2 2' S-2 3'R S-3 0-1' S-3 2'R S-4 0-1'	(G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER:	ACID/BASE: ICE / COOL OTHER:	DATE 5-9-23 7-30 7-35 7-40 7-45 7-50 7-55 8:00 8:10 8:20	TIME 7:30 7:35 7:40 7:45 7:50 7:55 8:00 8:10 8:20	Chlorides TPH BTEX		
	PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.							
	Relinquished By: [Signature]		Received By: [Signature]		Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Add'l Phone #: All Results are emailed. Please provide Email address:		REMARKS: Email: jarnesc@bdsd.com Rebecca@bdsd.com Rebecca@bdsd.com	
	Delivered By: (Circle One) Sampler - UPS - Bus - Other:		Observed Temp. °C: 81.0 Corrected Temp. °C: 80.4		Turnaround Time: Standard Thermometer ID #13: 24 hour Correction Factor: -0.8°C		Bacteria (only) Sample Condition: Cool Intact Observed Temp. °C: Corrected Temp. °C:	

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



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: <u>BDS Enterprises</u> Project Manager: <u>Rebecca Pons</u>		P.O. #: Company: Attn: Address: City: State: Zip: Project #: Project Owner: Project Name: <u>Blackbutt, Marguard 15-16</u> Project Location: <u>Eddy County</u> Sampler Name: <u>J. Carney, A. Parrs</u>		BILL TO ANALYSIS REQUEST	
Address: City: State: Zip: Phone #: Fax #: Project #: Project Owner: Project Name: <u>Blackbutt, Marguard 15-16</u> Project Location: <u>Eddy County</u> Sampler Name: <u>J. Carney, A. Parrs</u>		P.O. #: Company: Attn: Address: City: State: Zip: Phone #: Fax #: Project #: Project Owner: Project Name: <u>Blackbutt, Marguard 15-16</u> Project Location: <u>Eddy County</u> Sampler Name: <u>J. Carney, A. Parrs</u>		BILL TO ANALYSIS REQUEST	
FOR LAB USE ONLY Lab I.D. <u>#B33289</u>		Sample I.D.		(G)RAB OR (C)OMP. # CONTAINERS MATRIX GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER : ACID/BASE: ICE / COOL OTHER : PRESERV SAMPLING	
PLEASE NOTE: Liability and Damages: Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.		DATE TIME		Chlorides TPH BTEX	
Relinquished By: <u>J. Carney</u> Date: <u>9/1/23</u> Time: <u>1:59</u>		Received By: <u>Rebecca Pons</u> Date: <u>9/1/23</u> Time: <u>1:59</u>		Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Add'l Phone #: All Results are emailed. Please provide Email address:	
Delivered By: (Circle One) Sampler - UPS - Bus - Other:		Observed Temp. °C: <u>99.02</u> Corrected Temp. °C: <u>88.42</u>		CHECKED BY: <u>RP</u> (Initials)	
Turndown Time: <u>Standard</u> Thermometer ID #113 Correction Factor -0.6°C		Bacteria (only) Sample Condition Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No Bacteria (only) Sample Condition Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No		Rush <input checked="" type="checkbox"/> Corrected Temp. °C: <u>84.4</u>	



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: <i>BDS Enterprises</i> Project Manager: <i>Rebecca PHS</i>		P.O. #: _____ Company: _____ Attn: _____ Address: _____ City: _____ State: _____ Zip: _____ Project Name: <i>Blackbuck Harboredt 15-16</i> Project Location: <i>Eddy County</i> Project Owner: _____ City: _____ State: _____ Zip: _____ Project #: _____ Fax #: _____ Project Name: <i>S. Carnes, A. Barr</i> Phone #: _____ Fax #: _____	
Address: _____ City: _____ State: _____ Zip: _____ Phone #: _____ Fax #: _____		BILL TO	
Address: _____ City: _____ State: _____ Zip: _____ Phone #: _____ Fax #: _____		ANALYSIS REQUEST	
FOR LAB USE ONLY			
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP. # CONTAINERS MATRIX GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER : ACID/BASE: ICE / COOL OTHER : PRESERV. SAMPLING	DATE TIME Chlorides TPH BTEX
<i>H333289</i>	<i>BG-2 0'</i>	<i>5</i>	<i>5-9-23 9:30</i>
<i>21</i>	<i>BG-3 0'</i>	<i>1</i>	<i>9:35</i>
<i>22</i>	<i>BG-4 0'</i>	<i>1</i>	<i>9:40</i>
<i>23</i>			
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Relinquished By: _____	Date: <i>9/12/23</i>	Received By: <i>Spodrigney</i>	Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Add'l Phone #: _____
Relinquished By: _____	Date: <i>9/12/23</i>	Received By: _____	All Results are emailed. Please provide Email address: _____
Delivered By: (Circle One) Sampler - UPS - Bus - Other: _____	Observed Temp. °C: <i>29.04</i> Corrected Temp. °C: <i>28.61</i>	Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Sample Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Checked By: <i>SL</i> Turnaround Time: _____ Thermometer ID #113 Correction Factor -0.8°C Bacteria (only) <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Cool Intact <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Sample Condition <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Observed Temp. °C: _____ Corrected Temp. °C: _____
REMARKS: <i>Email: jchase@bds.com; field.com</i> <i>Rebecca@bds.com; field.com</i> Standard <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Rush <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> P4 3073			

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

July 18, 2023

Rebecca Pons
BDS Enterprises
1705 E Greene St
Carlsbad, NM 88220
TEL: (575) 441-0980
FAX:

RE: Marquardt 15 16

OrderNo.: 2307256

Dear Rebecca Pons:

Hall Environmental Analysis Laboratory received 61 sample(s) on 7/8/2023 for the analyses presented in the following report.

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

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

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

Sincerely,

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

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report

Lab Order **2307256**

Date Reported: **7/18/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: BDS Enterprises

Client Sample ID: SW1

Project: Marquardt 15 16

Collection Date: 6/30/2023 8:00:00 AM

Lab ID: 2307256-001

Matrix: SOIL

Received Date: 7/8/2023 9:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: PRD
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	7/13/2023 11:38:21 AM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	7/13/2023 11:38:21 AM
Surr: DNOP	88.1	69-147		%Rec	1	7/13/2023 11:38:21 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	7/11/2023 6:05:40 PM
Surr: BFB	101	15-244		%Rec	1	7/11/2023 6:05:40 PM
EPA METHOD 8021B: VOLATILES						Analyst: RAA
Benzene	ND	0.025		mg/Kg	1	7/11/2023 6:05:40 PM
Toluene	ND	0.049		mg/Kg	1	7/11/2023 6:05:40 PM
Ethylbenzene	ND	0.049		mg/Kg	1	7/11/2023 6:05:40 PM
Xylenes, Total	ND	0.099		mg/Kg	1	7/11/2023 6:05:40 PM
Surr: 4-Bromofluorobenzene	87.6	39.1-146		%Rec	1	7/11/2023 6:05:40 PM
EPA METHOD 300.0: ANIONS						Analyst: RBC
Chloride	ND	60		mg/Kg	20	7/10/2023 10:02:21 PM

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

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

Analytical Report

Lab Order **2307256**

Date Reported: **7/18/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: BDS Enterprises

Client Sample ID: SW2

Project: Marquardt 15 16

Collection Date: 6/30/2023 8:05:00 AM

Lab ID: 2307256-002

Matrix: SOIL

Received Date: 7/8/2023 9:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: PRD
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	7/13/2023 12:02:13 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	7/13/2023 12:02:13 PM
Surr: DNOP	81.1	69-147		%Rec	1	7/13/2023 12:02:13 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	7/11/2023 7:17:17 PM
Surr: BFB	98.3	15-244		%Rec	1	7/11/2023 7:17:17 PM
EPA METHOD 8021B: VOLATILES						Analyst: RAA
Benzene	ND	0.025		mg/Kg	1	7/11/2023 7:17:17 PM
Toluene	ND	0.049		mg/Kg	1	7/11/2023 7:17:17 PM
Ethylbenzene	ND	0.049		mg/Kg	1	7/11/2023 7:17:17 PM
Xylenes, Total	ND	0.098		mg/Kg	1	7/11/2023 7:17:17 PM
Surr: 4-Bromofluorobenzene	85.4	39.1-146		%Rec	1	7/11/2023 7:17:17 PM
EPA METHOD 300.0: ANIONS						Analyst: RBC
Chloride	ND	60		mg/Kg	20	7/10/2023 10:14:46 PM

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

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

Analytical Report

Lab Order **2307256**

Date Reported: **7/18/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: BDS Enterprises

Client Sample ID: SW3

Project: Marquardt 15 16

Collection Date: 6/30/2023 8:10:00 AM

Lab ID: 2307256-003

Matrix: SOIL

Received Date: 7/8/2023 9:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: PRD
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	7/13/2023 12:26:06 PM
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	7/13/2023 12:26:06 PM
Surr: DNOP	62.8	69-147	S	%Rec	1	7/13/2023 12:26:06 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	7/11/2023 7:41:04 PM
Surr: BFB	99.8	15-244		%Rec	1	7/11/2023 7:41:04 PM
EPA METHOD 8021B: VOLATILES						Analyst: RAA
Benzene	ND	0.024		mg/Kg	1	7/11/2023 7:41:04 PM
Toluene	ND	0.049		mg/Kg	1	7/11/2023 7:41:04 PM
Ethylbenzene	ND	0.049		mg/Kg	1	7/11/2023 7:41:04 PM
Xylenes, Total	ND	0.097		mg/Kg	1	7/11/2023 7:41:04 PM
Surr: 4-Bromofluorobenzene	87.4	39.1-146		%Rec	1	7/11/2023 7:41:04 PM
EPA METHOD 300.0: ANIONS						Analyst: RBC
Chloride	ND	61		mg/Kg	20	7/10/2023 10:52:00 PM

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

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

Analytical Report

Lab Order **2307256**

Date Reported: **7/18/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: BDS Enterprises

Client Sample ID: SW4

Project: Marquardt 15 16

Collection Date: 6/30/2023 8:15:00 AM

Lab ID: 2307256-004

Matrix: SOIL

Received Date: 7/8/2023 9:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: PRD
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	7/13/2023 12:50:05 PM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	7/13/2023 12:50:05 PM
Surr: DNOP	74.5	69-147		%Rec	1	7/13/2023 12:50:05 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: RAA
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	7/11/2023 8:04:48 PM
Surr: BFB	96.5	15-244		%Rec	1	7/11/2023 8:04:48 PM
EPA METHOD 8021B: VOLATILES						Analyst: RAA
Benzene	ND	0.025		mg/Kg	1	7/11/2023 8:04:48 PM
Toluene	ND	0.050		mg/Kg	1	7/11/2023 8:04:48 PM
Ethylbenzene	ND	0.050		mg/Kg	1	7/11/2023 8:04:48 PM
Xylenes, Total	ND	0.10		mg/Kg	1	7/11/2023 8:04:48 PM
Surr: 4-Bromofluorobenzene	84.7	39.1-146		%Rec	1	7/11/2023 8:04:48 PM
EPA METHOD 300.0: ANIONS						Analyst: RBC
Chloride	ND	59		mg/Kg	20	7/10/2023 11:04:25 PM

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

Qualifiers:

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

Analytical Report

Lab Order **2307256**

Date Reported: **7/18/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: BDS Enterprises

Client Sample ID: SW5

Project: Marquardt 15 16

Collection Date: 6/30/2023 8:20:00 AM

Lab ID: 2307256-005

Matrix: SOIL

Received Date: 7/8/2023 9:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: PRD
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	7/13/2023 1:14:02 PM
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	7/13/2023 1:14:02 PM
Surr: DNOP	60.2	69-147	S	%Rec	1	7/13/2023 1:14:02 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: RAA
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	7/11/2023 8:28:28 PM
Surr: BFB	99.6	15-244		%Rec	1	7/11/2023 8:28:28 PM
EPA METHOD 8021B: VOLATILES						Analyst: RAA
Benzene	ND	0.025		mg/Kg	1	7/11/2023 8:28:28 PM
Toluene	ND	0.050		mg/Kg	1	7/11/2023 8:28:28 PM
Ethylbenzene	ND	0.050		mg/Kg	1	7/11/2023 8:28:28 PM
Xylenes, Total	ND	0.099		mg/Kg	1	7/11/2023 8:28:28 PM
Surr: 4-Bromofluorobenzene	87.4	39.1-146		%Rec	1	7/11/2023 8:28:28 PM
EPA METHOD 300.0: ANIONS						Analyst: RBC
Chloride	ND	60		mg/Kg	20	7/10/2023 11:16:49 PM

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

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

Analytical Report

Lab Order **2307256**

Date Reported: **7/18/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: BDS Enterprises

Client Sample ID: SW6

Project: Marquardt 15 16

Collection Date: 6/30/2023 8:25:00 AM

Lab ID: 2307256-006

Matrix: SOIL

Received Date: 7/8/2023 9:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: PRD
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	7/13/2023 1:37:57 PM
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	7/13/2023 1:37:57 PM
Surr: DNOP	76.9	69-147		%Rec	1	7/13/2023 1:37:57 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	7/11/2023 8:52:11 PM
Surr: BFB	97.1	15-244		%Rec	1	7/11/2023 8:52:11 PM
EPA METHOD 8021B: VOLATILES						Analyst: RAA
Benzene	ND	0.025		mg/Kg	1	7/11/2023 8:52:11 PM
Toluene	ND	0.049		mg/Kg	1	7/11/2023 8:52:11 PM
Ethylbenzene	ND	0.049		mg/Kg	1	7/11/2023 8:52:11 PM
Xylenes, Total	ND	0.099		mg/Kg	1	7/11/2023 8:52:11 PM
Surr: 4-Bromofluorobenzene	85.4	39.1-146		%Rec	1	7/11/2023 8:52:11 PM
EPA METHOD 300.0: ANIONS						Analyst: RBC
Chloride	ND	60		mg/Kg	20	7/10/2023 11:29:13 PM

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

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

Analytical Report

Lab Order **2307256**

Date Reported: **7/18/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: BDS Enterprises

Client Sample ID: SW7

Project: Marquardt 15 16

Collection Date: 6/30/2023 8:30:00 AM

Lab ID: 2307256-007

Matrix: SOIL

Received Date: 7/8/2023 9:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: PRD
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	7/13/2023 2:01:59 PM
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	7/13/2023 2:01:59 PM
Surr: DNOP	76.9	69-147		%Rec	1	7/13/2023 2:01:59 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	7/11/2023 9:15:56 PM
Surr: BFB	97.8	15-244		%Rec	1	7/11/2023 9:15:56 PM
EPA METHOD 8021B: VOLATILES						Analyst: RAA
Benzene	ND	0.025		mg/Kg	1	7/11/2023 9:15:56 PM
Toluene	ND	0.049		mg/Kg	1	7/11/2023 9:15:56 PM
Ethylbenzene	ND	0.049		mg/Kg	1	7/11/2023 9:15:56 PM
Xylenes, Total	ND	0.099		mg/Kg	1	7/11/2023 9:15:56 PM
Surr: 4-Bromofluorobenzene	85.9	39.1-146		%Rec	1	7/11/2023 9:15:56 PM
EPA METHOD 300.0: ANIONS						Analyst: RBC
Chloride	ND	60		mg/Kg	20	7/11/2023 12:06:27 AM

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

Qualifiers:

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

Analytical Report

Lab Order **2307256**

Date Reported: **7/18/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: BDS Enterprises

Client Sample ID: SW8

Project: Marquardt 15 16

Collection Date: 6/30/2023 8:35:00 AM

Lab ID: 2307256-008

Matrix: SOIL

Received Date: 7/8/2023 9:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: PRD
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	7/13/2023 2:26:04 PM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	7/13/2023 2:26:04 PM
Surr: DNOP	72.6	69-147		%Rec	1	7/13/2023 2:26:04 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	7/11/2023 9:39:36 PM
Surr: BFB	99.0	15-244		%Rec	1	7/11/2023 9:39:36 PM
EPA METHOD 8021B: VOLATILES						Analyst: RAA
Benzene	ND	0.024		mg/Kg	1	7/11/2023 9:39:36 PM
Toluene	ND	0.049		mg/Kg	1	7/11/2023 9:39:36 PM
Ethylbenzene	ND	0.049		mg/Kg	1	7/11/2023 9:39:36 PM
Xylenes, Total	ND	0.097		mg/Kg	1	7/11/2023 9:39:36 PM
Surr: 4-Bromofluorobenzene	85.9	39.1-146		%Rec	1	7/11/2023 9:39:36 PM
EPA METHOD 300.0: ANIONS						Analyst: RBC
Chloride	ND	60		mg/Kg	20	7/11/2023 12:18:52 AM

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quantitative Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.

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

Analytical Report

Lab Order **2307256**

Date Reported: **7/18/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: BDS Enterprises

Client Sample ID: SW9

Project: Marquardt 15 16

Collection Date: 6/30/2023 8:40:00 AM

Lab ID: 2307256-009

Matrix: SOIL

Received Date: 7/8/2023 9:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: PRD
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	7/13/2023 2:50:12 PM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	7/13/2023 2:50:12 PM
Surr: DNOP	67.0	69-147	S	%Rec	1	7/13/2023 2:50:12 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	7/11/2023 10:03:14 PM
Surr: BFB	95.5	15-244		%Rec	1	7/11/2023 10:03:14 PM
EPA METHOD 8021B: VOLATILES						Analyst: RAA
Benzene	ND	0.025		mg/Kg	1	7/11/2023 10:03:14 PM
Toluene	ND	0.049		mg/Kg	1	7/11/2023 10:03:14 PM
Ethylbenzene	ND	0.049		mg/Kg	1	7/11/2023 10:03:14 PM
Xylenes, Total	ND	0.098		mg/Kg	1	7/11/2023 10:03:14 PM
Surr: 4-Bromofluorobenzene	84.1	39.1-146		%Rec	1	7/11/2023 10:03:14 PM
EPA METHOD 300.0: ANIONS						Analyst: RBC
Chloride	ND	59		mg/Kg	20	7/11/2023 12:31:16 AM

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

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

Analytical Report

Lab Order **2307256**

Date Reported: **7/18/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: BDS Enterprises

Client Sample ID: S1A

Project: Marquardt 15 16

Collection Date: 6/30/2023 9:00:00 AM

Lab ID: 2307256-010

Matrix: SOIL

Received Date: 7/8/2023 9:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: PRD
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	7/13/2023 3:14:19 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	7/13/2023 3:14:19 PM
Surr: DNOP	60.3	69-147	S	%Rec	1	7/13/2023 3:14:19 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: RAA
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	7/11/2023 10:26:54 PM
Surr: BFB	95.4	15-244		%Rec	1	7/11/2023 10:26:54 PM
EPA METHOD 8021B: VOLATILES						Analyst: RAA
Benzene	ND	0.025		mg/Kg	1	7/11/2023 10:26:54 PM
Toluene	ND	0.050		mg/Kg	1	7/11/2023 10:26:54 PM
Ethylbenzene	ND	0.050		mg/Kg	1	7/11/2023 10:26:54 PM
Xylenes, Total	ND	0.099		mg/Kg	1	7/11/2023 10:26:54 PM
Surr: 4-Bromofluorobenzene	83.5	39.1-146		%Rec	1	7/11/2023 10:26:54 PM
EPA METHOD 300.0: ANIONS						Analyst: RBC
Chloride	ND	60		mg/Kg	20	7/11/2023 12:43:40 AM

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

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

Analytical Report

Lab Order **2307256**

Date Reported: **7/18/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: BDS Enterprises

Client Sample ID: S2A

Project: Marquardt 15 16

Collection Date: 6/30/2023 9:05:00 AM

Lab ID: 2307256-011

Matrix: SOIL

Received Date: 7/8/2023 9:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: PRD
Diesel Range Organics (DRO)	ND	9.2		mg/Kg	1	7/11/2023 11:58:26 AM
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	7/11/2023 11:58:26 AM
Surr: DNOP	59.3	69-147	S	%Rec	1	7/11/2023 11:58:26 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: KMN
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	7/11/2023 2:29:00 PM
Surr: BFB	97.4	15-244		%Rec	1	7/11/2023 2:29:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: KMN
Benzene	ND	0.025		mg/Kg	1	7/11/2023 2:29:00 PM
Toluene	ND	0.049		mg/Kg	1	7/11/2023 2:29:00 PM
Ethylbenzene	ND	0.049		mg/Kg	1	7/11/2023 2:29:00 PM
Xylenes, Total	ND	0.099		mg/Kg	1	7/11/2023 2:29:00 PM
Surr: 4-Bromofluorobenzene	98.3	39.1-146		%Rec	1	7/11/2023 2:29:00 PM
EPA METHOD 300.0: ANIONS						Analyst: RBC
Chloride	ND	59		mg/Kg	20	7/11/2023 3:50:33 PM

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

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

Analytical Report

Lab Order **2307256**

Date Reported: **7/18/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: BDS Enterprises

Client Sample ID: S3A

Project: Marquardt 15 16

Collection Date: 6/30/2023 9:10:00 AM

Lab ID: 2307256-012

Matrix: SOIL

Received Date: 7/8/2023 9:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: PRD
Diesel Range Organics (DRO)	ND	9.0		mg/Kg	1	7/11/2023 12:09:07 PM
Motor Oil Range Organics (MRO)	ND	45		mg/Kg	1	7/11/2023 12:09:07 PM
Surr: DNOP	48.1	69-147	S	%Rec	1	7/11/2023 12:09:07 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: KMN
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	7/11/2023 2:50:00 PM
Surr: BFB	102	15-244		%Rec	1	7/11/2023 2:50:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: KMN
Benzene	ND	0.024		mg/Kg	1	7/11/2023 2:50:00 PM
Toluene	ND	0.048		mg/Kg	1	7/11/2023 2:50:00 PM
Ethylbenzene	ND	0.048		mg/Kg	1	7/11/2023 2:50:00 PM
Xylenes, Total	ND	0.097		mg/Kg	1	7/11/2023 2:50:00 PM
Surr: 4-Bromofluorobenzene	98.2	39.1-146		%Rec	1	7/11/2023 2:50:00 PM
EPA METHOD 300.0: ANIONS						Analyst: RBC
Chloride	ND	60		mg/Kg	20	7/11/2023 4:02:58 PM

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

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

Analytical Report

Lab Order **2307256**

Date Reported: **7/18/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: BDS Enterprises

Client Sample ID: S4A

Project: Marquardt 15 16

Collection Date: 6/30/2023 9:15:00 AM

Lab ID: 2307256-013

Matrix: SOIL

Received Date: 7/8/2023 9:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: PRD
Diesel Range Organics (DRO)	ND	9.1		mg/Kg	1	7/11/2023 12:30:27 PM
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	7/11/2023 12:30:27 PM
Surr: DNOP	77.4	69-147		%Rec	1	7/11/2023 12:30:27 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: KMN
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	7/11/2023 3:12:00 PM
Surr: BFB	96.3	15-244		%Rec	1	7/11/2023 3:12:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: KMN
Benzene	ND	0.025		mg/Kg	1	7/11/2023 3:12:00 PM
Toluene	ND	0.050		mg/Kg	1	7/11/2023 3:12:00 PM
Ethylbenzene	ND	0.050		mg/Kg	1	7/11/2023 3:12:00 PM
Xylenes, Total	ND	0.099		mg/Kg	1	7/11/2023 3:12:00 PM
Surr: 4-Bromofluorobenzene	96.7	39.1-146		%Rec	1	7/11/2023 3:12:00 PM
EPA METHOD 300.0: ANIONS						Analyst: RBC
Chloride	ND	60		mg/Kg	20	7/11/2023 4:15:22 PM

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

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

Analytical Report

Lab Order **2307256**

Date Reported: **7/18/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: BDS Enterprises

Client Sample ID: S5A

Project: Marquardt 15 16

Collection Date: 6/30/2023 9:20:00 AM

Lab ID: 2307256-014

Matrix: SOIL

Received Date: 7/8/2023 9:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: PRD
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	7/11/2023 12:41:08 PM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	7/11/2023 12:41:08 PM
Surr: DNOP	43.6	69-147	S	%Rec	1	7/11/2023 12:41:08 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: KMN
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	7/11/2023 3:34:00 PM
Surr: BFB	101	15-244		%Rec	1	7/11/2023 3:34:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: KMN
Benzene	ND	0.024		mg/Kg	1	7/11/2023 3:34:00 PM
Toluene	ND	0.049		mg/Kg	1	7/11/2023 3:34:00 PM
Ethylbenzene	ND	0.049		mg/Kg	1	7/11/2023 3:34:00 PM
Xylenes, Total	ND	0.098		mg/Kg	1	7/11/2023 3:34:00 PM
Surr: 4-Bromofluorobenzene	98.9	39.1-146		%Rec	1	7/11/2023 3:34:00 PM
EPA METHOD 300.0: ANIONS						Analyst: RBC
Chloride	ND	60		mg/Kg	20	7/11/2023 4:27:46 PM

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

Qualifiers:

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

Analytical Report

Lab Order **2307256**

Date Reported: **7/18/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: BDS Enterprises

Client Sample ID: S6A

Project: Marquardt 15 16

Collection Date: 6/30/2023 9:25:00 AM

Lab ID: 2307256-015

Matrix: SOIL

Received Date: 7/8/2023 9:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: PRD
Diesel Range Organics (DRO)	ND	9.1		mg/Kg	1	7/11/2023 12:51:51 PM
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	7/11/2023 12:51:51 PM
Surr: DNOP	47.7	69-147	S	%Rec	1	7/11/2023 12:51:51 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: KMN
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	7/11/2023 4:18:00 PM
Surr: BFB	100	15-244		%Rec	1	7/11/2023 4:18:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: KMN
Benzene	ND	0.024		mg/Kg	1	7/11/2023 4:18:00 PM
Toluene	ND	0.048		mg/Kg	1	7/11/2023 4:18:00 PM
Ethylbenzene	ND	0.048		mg/Kg	1	7/11/2023 4:18:00 PM
Xylenes, Total	ND	0.097		mg/Kg	1	7/11/2023 4:18:00 PM
Surr: 4-Bromofluorobenzene	97.9	39.1-146		%Rec	1	7/11/2023 4:18:00 PM
EPA METHOD 300.0: ANIONS						Analyst: RBC
Chloride	ND	60		mg/Kg	20	7/11/2023 4:40:10 PM

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

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

Analytical Report

Lab Order **2307256**

Date Reported: **7/18/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: BDS Enterprises

Client Sample ID: S7A

Project: Marquardt 15 16

Collection Date: 6/30/2023 9:30:00 AM

Lab ID: 2307256-016

Matrix: SOIL

Received Date: 7/8/2023 9:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: PRD
Diesel Range Organics (DRO)	ND	8.7		mg/Kg	1	7/11/2023 1:02:35 PM
Motor Oil Range Organics (MRO)	ND	44		mg/Kg	1	7/11/2023 1:02:35 PM
Surr: DNOP	36.6	69-147	S	%Rec	1	7/11/2023 1:02:35 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: KMN
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	7/11/2023 4:40:00 PM
Surr: BFB	100	15-244		%Rec	1	7/11/2023 4:40:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: KMN
Benzene	ND	0.024		mg/Kg	1	7/11/2023 4:40:00 PM
Toluene	ND	0.049		mg/Kg	1	7/11/2023 4:40:00 PM
Ethylbenzene	ND	0.049		mg/Kg	1	7/11/2023 4:40:00 PM
Xylenes, Total	ND	0.098		mg/Kg	1	7/11/2023 4:40:00 PM
Surr: 4-Bromofluorobenzene	98.2	39.1-146		%Rec	1	7/11/2023 4:40:00 PM
EPA METHOD 300.0: ANIONS						Analyst: RBC
Chloride	ND	60		mg/Kg	20	7/11/2023 4:52:34 PM

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

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

Analytical Report

Lab Order **2307256**

Date Reported: **7/18/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: BDS Enterprises

Client Sample ID: S8A

Project: Marquardt 15 16

Collection Date: 6/30/2023 9:35:00 AM

Lab ID: 2307256-017

Matrix: SOIL

Received Date: 7/8/2023 9:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: PRD
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	7/11/2023 1:13:22 PM
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	7/11/2023 1:13:22 PM
Surr: DNOP	39.6	69-147	S	%Rec	1	7/11/2023 1:13:22 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: KMN
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	7/11/2023 5:02:00 PM
Surr: BFB	95.6	15-244		%Rec	1	7/11/2023 5:02:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: KMN
Benzene	ND	0.024		mg/Kg	1	7/11/2023 5:02:00 PM
Toluene	ND	0.048		mg/Kg	1	7/11/2023 5:02:00 PM
Ethylbenzene	ND	0.048		mg/Kg	1	7/11/2023 5:02:00 PM
Xylenes, Total	ND	0.096		mg/Kg	1	7/11/2023 5:02:00 PM
Surr: 4-Bromofluorobenzene	95.1	39.1-146		%Rec	1	7/11/2023 5:02:00 PM
EPA METHOD 300.0: ANIONS						Analyst: RBC
Chloride	ND	60		mg/Kg	20	7/11/2023 5:04:58 PM

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

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

Analytical Report

Lab Order **2307256**

Date Reported: **7/18/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: BDS Enterprises

Client Sample ID: S9A

Project: Marquardt 15 16

Collection Date: 6/30/2023 9:40:00 AM

Lab ID: 2307256-018

Matrix: SOIL

Received Date: 7/8/2023 9:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: PRD
Diesel Range Organics (DRO)	ND	8.7		mg/Kg	1	7/11/2023 1:24:10 PM
Motor Oil Range Organics (MRO)	ND	44		mg/Kg	1	7/11/2023 1:24:10 PM
Surr: DNOP	28.1	69-147	S	%Rec	1	7/11/2023 1:24:10 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: KMN
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	7/11/2023 5:24:00 PM
Surr: BFB	98.7	15-244		%Rec	1	7/11/2023 5:24:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: KMN
Benzene	ND	0.024		mg/Kg	1	7/11/2023 5:24:00 PM
Toluene	ND	0.048		mg/Kg	1	7/11/2023 5:24:00 PM
Ethylbenzene	ND	0.048		mg/Kg	1	7/11/2023 5:24:00 PM
Xylenes, Total	ND	0.096		mg/Kg	1	7/11/2023 5:24:00 PM
Surr: 4-Bromofluorobenzene	97.3	39.1-146		%Rec	1	7/11/2023 5:24:00 PM
EPA METHOD 300.0: ANIONS						Analyst: RBC
Chloride	ND	60		mg/Kg	20	7/11/2023 5:17:23 PM

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

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

Analytical Report

Lab Order **2307256**

Date Reported: **7/18/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: BDS Enterprises

Client Sample ID: S10A

Project: Marquardt 15 16

Collection Date: 6/30/2023 9:45:00 AM

Lab ID: 2307256-019

Matrix: SOIL

Received Date: 7/8/2023 9:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: PRD
Diesel Range Organics (DRO)	ND	8.4		mg/Kg	1	7/11/2023 1:34:58 PM
Motor Oil Range Organics (MRO)	ND	42		mg/Kg	1	7/11/2023 1:34:58 PM
Surr: DNOP	42.6	69-147	S	%Rec	1	7/11/2023 1:34:58 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: KMN
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	7/11/2023 5:46:00 PM
Surr: BFB	97.5	15-244		%Rec	1	7/11/2023 5:46:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: KMN
Benzene	ND	0.025		mg/Kg	1	7/11/2023 5:46:00 PM
Toluene	ND	0.049		mg/Kg	1	7/11/2023 5:46:00 PM
Ethylbenzene	ND	0.049		mg/Kg	1	7/11/2023 5:46:00 PM
Xylenes, Total	ND	0.098		mg/Kg	1	7/11/2023 5:46:00 PM
Surr: 4-Bromofluorobenzene	98.1	39.1-146		%Rec	1	7/11/2023 5:46:00 PM
EPA METHOD 300.0: ANIONS						Analyst: RBC
Chloride	ND	60		mg/Kg	20	7/11/2023 5:54:37 PM

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

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

Analytical Report

Lab Order **2307256**

Date Reported: **7/18/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: BDS Enterprises

Client Sample ID: S11A

Project: Marquardt 15 16

Collection Date: 6/30/2023 9:50:00 AM

Lab ID: 2307256-020

Matrix: SOIL

Received Date: 7/8/2023 9:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: PRD
Diesel Range Organics (DRO)	ND	8.4		mg/Kg	1	7/11/2023 1:45:47 PM
Motor Oil Range Organics (MRO)	ND	42		mg/Kg	1	7/11/2023 1:45:47 PM
Surr: DNOP	41.5	69-147	S	%Rec	1	7/11/2023 1:45:47 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: KMN
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	7/11/2023 6:08:00 PM
Surr: BFB	99.5	15-244		%Rec	1	7/11/2023 6:08:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: KMN
Benzene	ND	0.024		mg/Kg	1	7/11/2023 6:08:00 PM
Toluene	ND	0.048		mg/Kg	1	7/11/2023 6:08:00 PM
Ethylbenzene	ND	0.048		mg/Kg	1	7/11/2023 6:08:00 PM
Xylenes, Total	ND	0.096		mg/Kg	1	7/11/2023 6:08:00 PM
Surr: 4-Bromofluorobenzene	96.8	39.1-146		%Rec	1	7/11/2023 6:08:00 PM
EPA METHOD 300.0: ANIONS						Analyst: RBC
Chloride	ND	60		mg/Kg	20	7/11/2023 6:07:02 PM

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

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

Analytical Report

Lab Order **2307256**

Date Reported: **7/18/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: BDS Enterprises

Client Sample ID: S12A

Project: Marquardt 15 16

Collection Date: 6/30/2023 9:55:00 AM

Lab ID: 2307256-021

Matrix: SOIL

Received Date: 7/8/2023 9:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: PRD
Diesel Range Organics (DRO)	ND	8.9		mg/Kg	1	7/11/2023 1:56:48 PM
Motor Oil Range Organics (MRO)	ND	45		mg/Kg	1	7/11/2023 1:56:48 PM
Surr: DNOP	51.3	69-147	S	%Rec	1	7/11/2023 1:56:48 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: KMN
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	7/11/2023 6:30:00 PM
Surr: BFB	97.2	15-244		%Rec	1	7/11/2023 6:30:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: KMN
Benzene	ND	0.025		mg/Kg	1	7/11/2023 6:30:00 PM
Toluene	ND	0.050		mg/Kg	1	7/11/2023 6:30:00 PM
Ethylbenzene	ND	0.050		mg/Kg	1	7/11/2023 6:30:00 PM
Xylenes, Total	ND	0.10		mg/Kg	1	7/11/2023 6:30:00 PM
Surr: 4-Bromofluorobenzene	98.0	39.1-146		%Rec	1	7/11/2023 6:30:00 PM
EPA METHOD 300.0: ANIONS						Analyst: RBC
Chloride	ND	60		mg/Kg	20	7/11/2023 6:19:26 PM

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

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

Analytical Report

Lab Order **2307256**

Date Reported: **7/18/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: BDS Enterprises

Client Sample ID: S13A

Project: Marquardt 15 16

Collection Date: 6/30/2023 10:00:00 AM

Lab ID: 2307256-022

Matrix: SOIL

Received Date: 7/8/2023 9:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: PRD
Diesel Range Organics (DRO)	ND	8.7		mg/Kg	1	7/11/2023 2:07:47 PM
Motor Oil Range Organics (MRO)	ND	44		mg/Kg	1	7/11/2023 2:07:47 PM
Surr: DNOP	23.8	69-147	S	%Rec	1	7/11/2023 2:07:47 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: KMN
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	7/11/2023 6:52:00 PM
Surr: BFB	98.2	15-244		%Rec	1	7/11/2023 6:52:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: KMN
Benzene	ND	0.024		mg/Kg	1	7/11/2023 6:52:00 PM
Toluene	ND	0.048		mg/Kg	1	7/11/2023 6:52:00 PM
Ethylbenzene	ND	0.048		mg/Kg	1	7/11/2023 6:52:00 PM
Xylenes, Total	ND	0.096		mg/Kg	1	7/11/2023 6:52:00 PM
Surr: 4-Bromofluorobenzene	96.7	39.1-146		%Rec	1	7/11/2023 6:52:00 PM
EPA METHOD 300.0: ANIONS						Analyst: RBC
Chloride	ND	60		mg/Kg	20	7/11/2023 6:31:50 PM

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

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

Analytical Report

Lab Order **2307256**

Date Reported: **7/18/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: BDS Enterprises

Client Sample ID: S14A

Project: Marquardt 15 16

Collection Date: 6/30/2023 10:05:00 AM

Lab ID: 2307256-023

Matrix: SOIL

Received Date: 7/8/2023 9:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: PRD
Diesel Range Organics (DRO)	ND	9.1		mg/Kg	1	7/11/2023 3:45:18 PM
Motor Oil Range Organics (MRO)	ND	45		mg/Kg	1	7/11/2023 3:45:18 PM
Surr: DNOP	71.6	69-147		%Rec	1	7/11/2023 3:45:18 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: KMN
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	7/11/2023 7:14:00 PM
Surr: BFB	95.1	15-244		%Rec	1	7/11/2023 7:14:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: KMN
Benzene	ND	0.024		mg/Kg	1	7/11/2023 7:14:00 PM
Toluene	ND	0.048		mg/Kg	1	7/11/2023 7:14:00 PM
Ethylbenzene	ND	0.048		mg/Kg	1	7/11/2023 7:14:00 PM
Xylenes, Total	ND	0.096		mg/Kg	1	7/11/2023 7:14:00 PM
Surr: 4-Bromofluorobenzene	95.3	39.1-146		%Rec	1	7/11/2023 7:14:00 PM
EPA METHOD 300.0: ANIONS						Analyst: RBC
Chloride	ND	60		mg/Kg	20	7/11/2023 6:44:15 PM

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

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

Analytical Report

Lab Order **2307256**

Date Reported: **7/18/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: BDS Enterprises

Client Sample ID: S15A

Project: Marquardt 15 16

Collection Date: 6/30/2023 10:10:00 AM

Lab ID: 2307256-024

Matrix: SOIL

Received Date: 7/8/2023 9:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: PRD
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	7/11/2023 3:56:16 PM
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	7/11/2023 3:56:16 PM
Surr: DNOP	47.0	69-147	S	%Rec	1	7/11/2023 3:56:16 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: KMN
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	7/11/2023 7:36:00 PM
Surr: BFB	95.2	15-244		%Rec	1	7/11/2023 7:36:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: KMN
Benzene	ND	0.025		mg/Kg	1	7/11/2023 7:36:00 PM
Toluene	ND	0.049		mg/Kg	1	7/11/2023 7:36:00 PM
Ethylbenzene	ND	0.049		mg/Kg	1	7/11/2023 7:36:00 PM
Xylenes, Total	ND	0.099		mg/Kg	1	7/11/2023 7:36:00 PM
Surr: 4-Bromofluorobenzene	95.9	39.1-146		%Rec	1	7/11/2023 7:36:00 PM
EPA METHOD 300.0: ANIONS						Analyst: RBC
Chloride	ND	60		mg/Kg	20	7/11/2023 6:56:40 PM

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

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

Analytical Report

Lab Order **2307256**

Date Reported: **7/18/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: BDS Enterprises

Client Sample ID: S28A

Project: Marquardt 15 16

Collection Date: 6/30/2023 11:15:00 AM

Lab ID: 2307256-025

Matrix: SOIL

Received Date: 7/8/2023 9:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: PRD
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	7/12/2023 3:46:42 PM
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	7/12/2023 3:46:42 PM
Surr: DNOP	88.9	69-147		%Rec	1	7/12/2023 3:46:42 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: KMN
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	7/12/2023 9:36:00 PM
Surr: BFB	95.6	15-244		%Rec	1	7/12/2023 9:36:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: KMN
Benzene	ND	0.024		mg/Kg	1	7/11/2023 9:25:00 PM
Toluene	ND	0.048		mg/Kg	1	7/11/2023 9:25:00 PM
Ethylbenzene	ND	0.048		mg/Kg	1	7/11/2023 9:25:00 PM
Xylenes, Total	ND	0.097		mg/Kg	1	7/11/2023 9:25:00 PM
Surr: 4-Bromofluorobenzene	93.1	39.1-146		%Rec	1	7/11/2023 9:25:00 PM
EPA METHOD 300.0: ANIONS						Analyst: RBC
Chloride	ND	60		mg/Kg	20	7/11/2023 10:15:13 PM

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

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

Analytical Report

Lab Order **2307256**

Date Reported: **7/18/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: BDS Enterprises

Client Sample ID: S29A

Project: Marquardt 15 16

Collection Date: 6/30/2023 11:20:00 AM

Lab ID: 2307256-026

Matrix: SOIL

Received Date: 7/8/2023 9:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: PRD
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	7/12/2023 4:34:33 PM
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	7/12/2023 4:34:33 PM
Surr: DNOP	88.6	69-147		%Rec	1	7/12/2023 4:34:33 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: KMN
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	7/12/2023 9:58:00 PM
Surr: BFB	97.3	15-244		%Rec	1	7/12/2023 9:58:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: KMN
Benzene	ND	0.024		mg/Kg	1	7/11/2023 10:31:00 PM
Toluene	ND	0.047		mg/Kg	1	7/11/2023 10:31:00 PM
Ethylbenzene	ND	0.047		mg/Kg	1	7/11/2023 10:31:00 PM
Xylenes, Total	ND	0.095		mg/Kg	1	7/11/2023 10:31:00 PM
Surr: 4-Bromofluorobenzene	95.1	39.1-146		%Rec	1	7/11/2023 10:31:00 PM
EPA METHOD 300.0: ANIONS						Analyst: RBC
Chloride	ND	60		mg/Kg	20	7/11/2023 10:52:28 PM

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

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

Analytical Report

Lab Order **2307256**

Date Reported: **7/18/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: BDS Enterprises

Client Sample ID: S30A

Project: Marquardt 15 16

Collection Date: 6/30/2023 11:25:00 AM

Lab ID: 2307256-027

Matrix: SOIL

Received Date: 7/8/2023 9:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: PRD
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	7/12/2023 4:58:31 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	7/12/2023 4:58:31 PM
Surr: DNOP	75.8	69-147		%Rec	1	7/12/2023 4:58:31 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: KMN
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	7/12/2023 10:20:00 PM
Surr: BFB	94.2	15-244		%Rec	1	7/12/2023 10:20:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: KMN
Benzene	ND	0.023		mg/Kg	1	7/11/2023 10:53:00 PM
Toluene	ND	0.046		mg/Kg	1	7/11/2023 10:53:00 PM
Ethylbenzene	ND	0.046		mg/Kg	1	7/11/2023 10:53:00 PM
Xylenes, Total	ND	0.093		mg/Kg	1	7/11/2023 10:53:00 PM
Surr: 4-Bromofluorobenzene	94.7	39.1-146		%Rec	1	7/11/2023 10:53:00 PM
EPA METHOD 300.0: ANIONS						Analyst: RBC
Chloride	ND	60		mg/Kg	20	7/11/2023 11:04:53 PM

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

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

Analytical Report

Lab Order **2307256**

Date Reported: **7/18/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: BDS Enterprises

Client Sample ID: S31A

Project: Marquardt 15 16

Collection Date: 6/30/2023 11:30:00 AM

Lab ID: 2307256-028

Matrix: SOIL

Received Date: 7/8/2023 9:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: PRD
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	7/12/2023 5:22:38 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	7/12/2023 5:22:38 PM
Surr: DNOP	80.8	69-147		%Rec	1	7/12/2023 5:22:38 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: KMN
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	7/12/2023 10:42:00 PM
Surr: BFB	93.1	15-244		%Rec	1	7/12/2023 10:42:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: KMN
Benzene	ND	0.025		mg/Kg	1	7/11/2023 11:14:00 PM
Toluene	ND	0.049		mg/Kg	1	7/11/2023 11:14:00 PM
Ethylbenzene	ND	0.049		mg/Kg	1	7/11/2023 11:14:00 PM
Xylenes, Total	ND	0.099		mg/Kg	1	7/11/2023 11:14:00 PM
Surr: 4-Bromofluorobenzene	93.6	39.1-146		%Rec	1	7/11/2023 11:14:00 PM
EPA METHOD 300.0: ANIONS						Analyst: RBC
Chloride	ND	60		mg/Kg	20	7/11/2023 11:17:17 PM

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

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

Analytical Report

Lab Order **2307256**

Date Reported: **7/18/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: BDS Enterprises

Client Sample ID: S32A

Project: Marquardt 15 16

Collection Date: 6/30/2023 11:35:00 AM

Lab ID: 2307256-029

Matrix: SOIL

Received Date: 7/8/2023 9:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: PRD
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	7/12/2023 5:46:47 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	7/12/2023 5:46:47 PM
Surr: DNOP	55.0	69-147	S	%Rec	1	7/12/2023 5:46:47 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: KMN
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	7/12/2023 11:04:00 PM
Surr: BFB	94.1	15-244		%Rec	1	7/12/2023 11:04:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: KMN
Benzene	ND	0.024		mg/Kg	1	7/11/2023 11:36:00 PM
Toluene	ND	0.048		mg/Kg	1	7/11/2023 11:36:00 PM
Ethylbenzene	ND	0.048		mg/Kg	1	7/11/2023 11:36:00 PM
Xylenes, Total	ND	0.096		mg/Kg	1	7/11/2023 11:36:00 PM
Surr: 4-Bromofluorobenzene	94.8	39.1-146		%Rec	1	7/11/2023 11:36:00 PM
EPA METHOD 300.0: ANIONS						Analyst: RBC
Chloride	ND	60		mg/Kg	20	7/11/2023 11:29:41 PM

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

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

Analytical Report

Lab Order **2307256**

Date Reported: **7/18/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: BDS Enterprises

Client Sample ID: S33A

Project: Marquardt 15 16

Collection Date: 6/30/2023 11:40:00 AM

Lab ID: 2307256-030

Matrix: SOIL

Received Date: 7/8/2023 9:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: PRD
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	7/12/2023 6:35:03 PM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	7/12/2023 6:35:03 PM
Surr: DNOP	71.9	69-147		%Rec	1	7/12/2023 6:35:03 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: KMN
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	7/12/2023 11:26:00 PM
Surr: BFB	94.9	15-244		%Rec	1	7/12/2023 11:26:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: KMN
Benzene	ND	0.024		mg/Kg	1	7/11/2023 11:58:00 PM
Toluene	ND	0.049		mg/Kg	1	7/11/2023 11:58:00 PM
Ethylbenzene	ND	0.049		mg/Kg	1	7/11/2023 11:58:00 PM
Xylenes, Total	ND	0.098		mg/Kg	1	7/11/2023 11:58:00 PM
Surr: 4-Bromofluorobenzene	92.2	39.1-146		%Rec	1	7/11/2023 11:58:00 PM
EPA METHOD 300.0: ANIONS						Analyst: RBC
Chloride	ND	60		mg/Kg	20	7/11/2023 11:42:06 PM

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

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

Analytical Report

Lab Order **2307256**

Date Reported: **7/18/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: BDS Enterprises

Client Sample ID: S34A

Project: Marquardt 15 16

Collection Date: 6/30/2023 11:45:00 AM

Lab ID: 2307256-031

Matrix: SOIL

Received Date: 7/8/2023 9:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: PRD
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	7/12/2023 6:59:07 PM
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	7/12/2023 6:59:07 PM
Surr: DNOP	76.3	69-147		%Rec	1	7/12/2023 6:59:07 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: KMN
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	7/12/2023 11:47:00 PM
Surr: BFB	98.0	15-244		%Rec	1	7/12/2023 11:47:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: KMN
Benzene	ND	0.024		mg/Kg	1	7/12/2023 12:20:00 AM
Toluene	ND	0.048		mg/Kg	1	7/12/2023 12:20:00 AM
Ethylbenzene	ND	0.048		mg/Kg	1	7/12/2023 12:20:00 AM
Xylenes, Total	ND	0.096		mg/Kg	1	7/12/2023 12:20:00 AM
Surr: 4-Bromofluorobenzene	94.7	39.1-146		%Rec	1	7/12/2023 12:20:00 AM
EPA METHOD 300.0: ANIONS						Analyst: RBC
Chloride	ND	60		mg/Kg	20	7/11/2023 11:54:31 PM

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

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

Analytical Report

Lab Order **2307256**

Date Reported: **7/18/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: BDS Enterprises

Client Sample ID: S35A

Project: Marquardt 15 16

Collection Date: 6/30/2023 11:50:00 AM

Lab ID: 2307256-032

Matrix: SOIL

Received Date: 7/8/2023 9:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: PRD
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	7/12/2023 7:23:10 PM
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	7/12/2023 7:23:10 PM
Surr: DNOP	84.1	69-147		%Rec	1	7/12/2023 7:23:10 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: KMN
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	7/13/2023 12:09:00 AM
Surr: BFB	93.8	15-244		%Rec	1	7/13/2023 12:09:00 AM
EPA METHOD 8021B: VOLATILES						Analyst: KMN
Benzene	ND	0.024		mg/Kg	1	7/12/2023 12:41:00 AM
Toluene	ND	0.048		mg/Kg	1	7/12/2023 12:41:00 AM
Ethylbenzene	ND	0.048		mg/Kg	1	7/12/2023 12:41:00 AM
Xylenes, Total	ND	0.097		mg/Kg	1	7/12/2023 12:41:00 AM
Surr: 4-Bromofluorobenzene	95.5	39.1-146		%Rec	1	7/12/2023 12:41:00 AM
EPA METHOD 300.0: ANIONS						Analyst: RBC
Chloride	ND	59		mg/Kg	20	7/12/2023 12:06:55 AM

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

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

Analytical Report

Lab Order **2307256**

Date Reported: **7/18/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: BDS Enterprises

Client Sample ID: S36A

Project: Marquardt 15 16

Collection Date: 6/30/2023 11:55:00 AM

Lab ID: 2307256-033

Matrix: SOIL

Received Date: 7/8/2023 9:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: PRD
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	7/12/2023 7:47:10 PM
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	7/12/2023 7:47:10 PM
Surr: DNOP	62.4	69-147	S	%Rec	1	7/12/2023 7:47:10 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: KMN
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	7/13/2023 12:31:00 AM
Surr: BFB	95.2	15-244		%Rec	1	7/13/2023 12:31:00 AM
EPA METHOD 8021B: VOLATILES						Analyst: KMN
Benzene	ND	0.024		mg/Kg	1	7/12/2023 1:03:00 AM
Toluene	ND	0.048		mg/Kg	1	7/12/2023 1:03:00 AM
Ethylbenzene	ND	0.048		mg/Kg	1	7/12/2023 1:03:00 AM
Xylenes, Total	ND	0.096		mg/Kg	1	7/12/2023 1:03:00 AM
Surr: 4-Bromofluorobenzene	95.9	39.1-146		%Rec	1	7/12/2023 1:03:00 AM
EPA METHOD 300.0: ANIONS						Analyst: RBC
Chloride	ND	60		mg/Kg	20	7/12/2023 12:19:19 AM

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

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

Analytical Report

Lab Order **2307256**

Date Reported: **7/18/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: BDS Enterprises

Client Sample ID: S37A

Project: Marquardt 15 16

Collection Date: 6/30/2023 12:00:00 PM

Lab ID: 2307256-034

Matrix: SOIL

Received Date: 7/8/2023 9:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: PRD
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	7/12/2023 8:11:03 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	7/12/2023 8:11:03 PM
Surr: DNOP	64.8	69-147	S	%Rec	1	7/12/2023 8:11:03 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: KMN
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	7/13/2023 12:52:00 AM
Surr: BFB	93.8	15-244		%Rec	1	7/13/2023 12:52:00 AM
EPA METHOD 8021B: VOLATILES						Analyst: KMN
Benzene	ND	0.025		mg/Kg	1	7/12/2023 1:25:00 AM
Toluene	ND	0.049		mg/Kg	1	7/12/2023 1:25:00 AM
Ethylbenzene	ND	0.049		mg/Kg	1	7/12/2023 1:25:00 AM
Xylenes, Total	ND	0.098		mg/Kg	1	7/12/2023 1:25:00 AM
Surr: 4-Bromofluorobenzene	94.4	39.1-146		%Rec	1	7/12/2023 1:25:00 AM
EPA METHOD 300.0: ANIONS						Analyst: RBC
Chloride	ND	60		mg/Kg	20	7/12/2023 12:31:44 AM

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

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

Analytical Report

Lab Order **2307256**

Date Reported: **7/18/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: BDS Enterprises

Client Sample ID: S38A

Project: Marquardt 15 16

Collection Date: 6/30/2023 12:05:00 PM

Lab ID: 2307256-035

Matrix: SOIL

Received Date: 7/8/2023 9:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: PRD
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	7/12/2023 8:34:53 PM
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	7/12/2023 8:34:53 PM
Surr: DNOP	78.6	69-147		%Rec	1	7/12/2023 8:34:53 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: KMN
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	7/13/2023 1:14:00 AM
Surr: BFB	95.2	15-244		%Rec	1	7/13/2023 1:14:00 AM
EPA METHOD 8021B: VOLATILES						Analyst: KMN
Benzene	ND	0.025		mg/Kg	1	7/12/2023 2:08:00 AM
Toluene	ND	0.050		mg/Kg	1	7/12/2023 2:08:00 AM
Ethylbenzene	ND	0.050		mg/Kg	1	7/12/2023 2:08:00 AM
Xylenes, Total	ND	0.099		mg/Kg	1	7/12/2023 2:08:00 AM
Surr: 4-Bromofluorobenzene	95.5	39.1-146		%Rec	1	7/12/2023 2:08:00 AM
EPA METHOD 300.0: ANIONS						Analyst: RBC
Chloride	ND	60		mg/Kg	20	7/12/2023 12:44:09 AM

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

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

Analytical Report

Lab Order **2307256**

Date Reported: **7/18/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: BDS Enterprises

Client Sample ID: S39A

Project: Marquardt 15 16

Collection Date: 6/30/2023 12:10:00 PM

Lab ID: 2307256-036

Matrix: SOIL

Received Date: 7/8/2023 9:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: PRD
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	7/12/2023 8:58:43 PM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	7/12/2023 8:58:43 PM
Surr: DNOP	66.6	69-147	S	%Rec	1	7/12/2023 8:58:43 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: KMN
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	7/13/2023 1:36:00 AM
Surr: BFB	93.5	15-244		%Rec	1	7/13/2023 1:36:00 AM
EPA METHOD 8021B: VOLATILES						Analyst: KMN
Benzene	ND	0.024		mg/Kg	1	7/12/2023 2:30:00 AM
Toluene	ND	0.049		mg/Kg	1	7/12/2023 2:30:00 AM
Ethylbenzene	ND	0.049		mg/Kg	1	7/12/2023 2:30:00 AM
Xylenes, Total	ND	0.097		mg/Kg	1	7/12/2023 2:30:00 AM
Surr: 4-Bromofluorobenzene	95.1	39.1-146		%Rec	1	7/12/2023 2:30:00 AM
EPA METHOD 300.0: ANIONS						Analyst: RBC
Chloride	ND	60		mg/Kg	20	7/12/2023 1:21:23 AM

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

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

Analytical Report

Lab Order **2307256**

Date Reported: **7/18/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: BDS Enterprises

Client Sample ID: S40A

Project: Marquardt 15 16

Collection Date: 6/30/2023 12:15:00 PM

Lab ID: 2307256-037

Matrix: SOIL

Received Date: 7/8/2023 9:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: PRD
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	7/12/2023 9:22:38 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	7/12/2023 9:22:38 PM
Surr: DNOP	81.9	69-147		%Rec	1	7/12/2023 9:22:38 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: KMN
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	7/13/2023 1:58:00 AM
Surr: BFB	92.8	15-244		%Rec	1	7/13/2023 1:58:00 AM
EPA METHOD 8021B: VOLATILES						Analyst: KMN
Benzene	ND	0.025		mg/Kg	1	7/12/2023 2:52:00 AM
Toluene	ND	0.050		mg/Kg	1	7/12/2023 2:52:00 AM
Ethylbenzene	ND	0.050		mg/Kg	1	7/12/2023 2:52:00 AM
Xylenes, Total	ND	0.10		mg/Kg	1	7/12/2023 2:52:00 AM
Surr: 4-Bromofluorobenzene	94.5	39.1-146		%Rec	1	7/12/2023 2:52:00 AM
EPA METHOD 300.0: ANIONS						Analyst: RBC
Chloride	ND	60		mg/Kg	20	7/12/2023 1:33:47 AM

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

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

Analytical Report

Lab Order **2307256**

Date Reported: **7/18/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: BDS Enterprises

Client Sample ID: S41A

Project: Marquardt 15 16

Collection Date: 6/30/2023 12:20:00 PM

Lab ID: 2307256-038

Matrix: SOIL

Received Date: 7/8/2023 9:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: PRD
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	7/12/2023 9:46:32 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	7/12/2023 9:46:32 PM
Surr: DNOP	70.6	69-147		%Rec	1	7/12/2023 9:46:32 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: KMN
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	7/13/2023 2:19:00 AM
Surr: BFB	97.8	15-244		%Rec	1	7/13/2023 2:19:00 AM
EPA METHOD 8021B: VOLATILES						Analyst: KMN
Benzene	ND	0.024		mg/Kg	1	7/12/2023 3:14:00 AM
Toluene	ND	0.048		mg/Kg	1	7/12/2023 3:14:00 AM
Ethylbenzene	ND	0.048		mg/Kg	1	7/12/2023 3:14:00 AM
Xylenes, Total	ND	0.097		mg/Kg	1	7/12/2023 3:14:00 AM
Surr: 4-Bromofluorobenzene	95.2	39.1-146		%Rec	1	7/12/2023 3:14:00 AM
EPA METHOD 300.0: ANIONS						Analyst: SNS
Chloride	ND	60		mg/Kg	20	7/13/2023 7:53:14 PM

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

Qualifiers:

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

Analytical Report

Lab Order **2307256**

Date Reported: **7/18/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: BDS Enterprises

Client Sample ID: S42A

Project: Marquardt 15 16

Collection Date: 6/30/2023 12:25:00 PM

Lab ID: 2307256-039

Matrix: SOIL

Received Date: 7/8/2023 9:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: PRD
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	7/12/2023 10:10:27 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	7/12/2023 10:10:27 PM
Surr: DNOP	55.0	69-147	S	%Rec	1	7/12/2023 10:10:27 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: KMN
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	7/13/2023 2:41:00 AM
Surr: BFB	104	15-244		%Rec	1	7/13/2023 2:41:00 AM
EPA METHOD 8021B: VOLATILES						Analyst: KMN
Benzene	ND	0.024		mg/Kg	1	7/12/2023 3:35:00 AM
Toluene	ND	0.048		mg/Kg	1	7/12/2023 3:35:00 AM
Ethylbenzene	ND	0.048		mg/Kg	1	7/12/2023 3:35:00 AM
Xylenes, Total	ND	0.096		mg/Kg	1	7/12/2023 3:35:00 AM
Surr: 4-Bromofluorobenzene	94.9	39.1-146		%Rec	1	7/12/2023 3:35:00 AM
EPA METHOD 300.0: ANIONS						Analyst: SNS
Chloride	ND	60		mg/Kg	20	7/13/2023 8:55:17 PM

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

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

Analytical Report

Lab Order **2307256**

Date Reported: **7/18/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: BDS Enterprises

Client Sample ID: S43A

Project: Marquardt 15 16

Collection Date: 6/30/2023 12:30:00 PM

Lab ID: 2307256-040

Matrix: SOIL

Received Date: 7/8/2023 9:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: PRD
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	7/12/2023 10:34:20 PM
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	7/12/2023 10:34:20 PM
Surr: DNOP	86.8	69-147		%Rec	1	7/12/2023 10:34:20 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: KMN
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	7/13/2023 3:03:00 AM
Surr: BFB	91.8	15-244		%Rec	1	7/13/2023 3:03:00 AM
EPA METHOD 8021B: VOLATILES						Analyst: KMN
Benzene	ND	0.023		mg/Kg	1	7/12/2023 3:57:00 AM
Toluene	ND	0.047		mg/Kg	1	7/12/2023 3:57:00 AM
Ethylbenzene	ND	0.047		mg/Kg	1	7/12/2023 3:57:00 AM
Xylenes, Total	ND	0.093		mg/Kg	1	7/12/2023 3:57:00 AM
Surr: 4-Bromofluorobenzene	93.7	39.1-146		%Rec	1	7/12/2023 3:57:00 AM
EPA METHOD 300.0: ANIONS						Analyst: SNS
Chloride	ND	60		mg/Kg	20	7/13/2023 9:32:31 PM

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

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

Analytical Report

Lab Order **2307256**

Date Reported: **7/18/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: BDS Enterprises

Client Sample ID: S44A

Project: Marquardt 15 16

Collection Date: 6/30/2023 12:35:00 PM

Lab ID: 2307256-041

Matrix: SOIL

Received Date: 7/8/2023 9:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: PRD
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	7/13/2023 12:09:55 AM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	7/13/2023 12:09:55 AM
Surr: DNOP	69.9	69-147		%Rec	1	7/13/2023 12:09:55 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	7/12/2023 11:33:06 AM
Surr: BFB	96.5	15-244		%Rec	1	7/12/2023 11:33:06 AM
EPA METHOD 8021B: VOLATILES						Analyst: JJP
Benzene	ND	0.024		mg/Kg	1	7/12/2023 11:33:06 AM
Toluene	ND	0.049		mg/Kg	1	7/12/2023 11:33:06 AM
Ethylbenzene	ND	0.049		mg/Kg	1	7/12/2023 11:33:06 AM
Xylenes, Total	ND	0.097		mg/Kg	1	7/12/2023 11:33:06 AM
Surr: 4-Bromofluorobenzene	84.0	39.1-146		%Rec	1	7/12/2023 11:33:06 AM
EPA METHOD 300.0: ANIONS						Analyst: SNS
Chloride	ND	60		mg/Kg	20	7/13/2023 9:44:56 PM

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

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

Analytical Report

Lab Order **2307256**

Date Reported: **7/18/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: BDS Enterprises

Client Sample ID: S45A

Project: Marquardt 15 16

Collection Date: 6/30/2023 12:40:00 PM

Lab ID: 2307256-042

Matrix: SOIL

Received Date: 7/8/2023 9:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: PRD
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	7/13/2023 12:33:52 AM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	7/13/2023 12:33:52 AM
Surr: DNOP	64.0	69-147	S	%Rec	1	7/13/2023 12:33:52 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: JJP
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	7/12/2023 12:44:15 PM
Surr: BFB	96.3	15-244		%Rec	1	7/12/2023 12:44:15 PM
EPA METHOD 8021B: VOLATILES						Analyst: JJP
Benzene	ND	0.025		mg/Kg	1	7/12/2023 12:44:15 PM
Toluene	ND	0.050		mg/Kg	1	7/12/2023 12:44:15 PM
Ethylbenzene	ND	0.050		mg/Kg	1	7/12/2023 12:44:15 PM
Xylenes, Total	ND	0.10		mg/Kg	1	7/12/2023 12:44:15 PM
Surr: 4-Bromofluorobenzene	82.9	39.1-146		%Rec	1	7/12/2023 12:44:15 PM
EPA METHOD 300.0: ANIONS						Analyst: SNS
Chloride	ND	59		mg/Kg	20	7/13/2023 9:57:21 PM

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

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

Analytical Report

Lab Order **2307256**

Date Reported: **7/18/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: BDS Enterprises

Client Sample ID: S46A

Project: Marquardt 15 16

Collection Date: 6/30/2023 12:45:00 PM

Lab ID: 2307256-043

Matrix: SOIL

Received Date: 7/8/2023 9:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: PRD
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	7/13/2023 12:57:48 AM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	7/13/2023 12:57:48 AM
Surr: DNOP	79.4	69-147		%Rec	1	7/13/2023 12:57:48 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	7/12/2023 1:55:34 PM
Surr: BFB	98.1	15-244		%Rec	1	7/12/2023 1:55:34 PM
EPA METHOD 8021B: VOLATILES						Analyst: JJP
Benzene	ND	0.025		mg/Kg	1	7/12/2023 1:55:34 PM
Toluene	ND	0.049		mg/Kg	1	7/12/2023 1:55:34 PM
Ethylbenzene	ND	0.049		mg/Kg	1	7/12/2023 1:55:34 PM
Xylenes, Total	ND	0.099		mg/Kg	1	7/12/2023 1:55:34 PM
Surr: 4-Bromofluorobenzene	83.6	39.1-146		%Rec	1	7/12/2023 1:55:34 PM
EPA METHOD 300.0: ANIONS						Analyst: SNS
Chloride	ND	60		mg/Kg	20	7/13/2023 10:09:45 PM

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

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

Analytical Report

Lab Order **2307256**

Date Reported: **7/18/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: BDS Enterprises

Client Sample ID: S47A

Project: Marquardt 15 16

Collection Date: 6/30/2023 12:50:00 PM

Lab ID: 2307256-044

Matrix: SOIL

Received Date: 7/8/2023 9:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: PRD
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	7/13/2023 1:21:42 AM
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	7/13/2023 1:21:42 AM
Surr: DNOP	73.6	69-147		%Rec	1	7/13/2023 1:21:42 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	7/12/2023 2:19:24 PM
Surr: BFB	100	15-244		%Rec	1	7/12/2023 2:19:24 PM
EPA METHOD 8021B: VOLATILES						Analyst: JJP
Benzene	ND	0.024		mg/Kg	1	7/12/2023 2:19:24 PM
Toluene	ND	0.049		mg/Kg	1	7/12/2023 2:19:24 PM
Ethylbenzene	ND	0.049		mg/Kg	1	7/12/2023 2:19:24 PM
Xylenes, Total	ND	0.098		mg/Kg	1	7/12/2023 2:19:24 PM
Surr: 4-Bromofluorobenzene	84.9	39.1-146		%Rec	1	7/12/2023 2:19:24 PM
EPA METHOD 300.0: ANIONS						Analyst: SNS
Chloride	ND	60		mg/Kg	20	7/13/2023 10:22:09 PM

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

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

Analytical Report

Lab Order **2307256**

Date Reported: **7/18/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: BDS Enterprises

Client Sample ID: S48A

Project: Marquardt 15 16

Collection Date: 6/30/2023 12:55:00 PM

Lab ID: 2307256-045

Matrix: SOIL

Received Date: 7/8/2023 9:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: PRD
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	7/13/2023 1:45:37 AM
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	7/13/2023 1:45:37 AM
Surr: DNOP	61.1	69-147	S	%Rec	1	7/13/2023 1:45:37 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	7/12/2023 2:43:17 PM
Surr: BFB	101	15-244		%Rec	1	7/12/2023 2:43:17 PM
EPA METHOD 8021B: VOLATILES						Analyst: JJP
Benzene	ND	0.025		mg/Kg	1	7/12/2023 2:43:17 PM
Toluene	ND	0.049		mg/Kg	1	7/12/2023 2:43:17 PM
Ethylbenzene	ND	0.049		mg/Kg	1	7/12/2023 2:43:17 PM
Xylenes, Total	ND	0.098		mg/Kg	1	7/12/2023 2:43:17 PM
Surr: 4-Bromofluorobenzene	85.3	39.1-146		%Rec	1	7/12/2023 2:43:17 PM
EPA METHOD 300.0: ANIONS						Analyst: SNS
Chloride	ND	60		mg/Kg	20	7/13/2023 10:59:23 PM

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

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

Analytical Report

Lab Order **2307256**

Date Reported: **7/18/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: BDS Enterprises

Client Sample ID: S49A

Project: Marquardt 15 16

Collection Date: 6/30/2023 1:00:00 PM

Lab ID: 2307256-046

Matrix: SOIL

Received Date: 7/8/2023 9:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: PRD
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	7/13/2023 2:09:31 AM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	7/13/2023 2:09:31 AM
Surr: DNOP	59.5	69-147	S	%Rec	1	7/13/2023 2:09:31 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	7/12/2023 3:07:10 PM
Surr: BFB	99.4	15-244		%Rec	1	7/12/2023 3:07:10 PM
EPA METHOD 8021B: VOLATILES						Analyst: JJP
Benzene	ND	0.024		mg/Kg	1	7/12/2023 3:07:10 PM
Toluene	ND	0.048		mg/Kg	1	7/12/2023 3:07:10 PM
Ethylbenzene	ND	0.048		mg/Kg	1	7/12/2023 3:07:10 PM
Xylenes, Total	ND	0.097		mg/Kg	1	7/12/2023 3:07:10 PM
Surr: 4-Bromofluorobenzene	83.5	39.1-146		%Rec	1	7/12/2023 3:07:10 PM
EPA METHOD 300.0: ANIONS						Analyst: SNS
Chloride	ND	60		mg/Kg	20	7/13/2023 11:11:48 PM

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

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

Analytical Report

Lab Order **2307256**

Date Reported: **7/18/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: BDS Enterprises

Client Sample ID: S50A

Project: Marquardt 15 16

Collection Date: 6/30/2023 1:05:00 PM

Lab ID: 2307256-047

Matrix: SOIL

Received Date: 7/8/2023 9:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: PRD
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	7/13/2023 2:33:23 AM
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	7/13/2023 2:33:23 AM
Surr: DNOP	77.7	69-147		%Rec	1	7/13/2023 2:33:23 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	7/12/2023 3:31:05 PM
Surr: BFB	99.7	15-244		%Rec	1	7/12/2023 3:31:05 PM
EPA METHOD 8021B: VOLATILES						Analyst: JJP
Benzene	ND	0.024		mg/Kg	1	7/12/2023 3:31:05 PM
Toluene	ND	0.048		mg/Kg	1	7/12/2023 3:31:05 PM
Ethylbenzene	ND	0.048		mg/Kg	1	7/12/2023 3:31:05 PM
Xylenes, Total	ND	0.097		mg/Kg	1	7/12/2023 3:31:05 PM
Surr: 4-Bromofluorobenzene	83.0	39.1-146		%Rec	1	7/12/2023 3:31:05 PM
EPA METHOD 300.0: ANIONS						Analyst: SNS
Chloride	ND	60		mg/Kg	20	7/13/2023 11:24:12 PM

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

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

Analytical Report

Lab Order **2307256**

Date Reported: **7/18/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: BDS Enterprises

Client Sample ID: S51A

Project: Marquardt 15 16

Collection Date: 6/30/2023 1:10:00 PM

Lab ID: 2307256-048

Matrix: SOIL

Received Date: 7/8/2023 9:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: PRD
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	7/13/2023 2:57:16 AM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	7/13/2023 2:57:16 AM
Surr: DNOP	69.2	69-147		%Rec	1	7/13/2023 2:57:16 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	7/12/2023 3:54:55 PM
Surr: BFB	101	15-244		%Rec	1	7/12/2023 3:54:55 PM
EPA METHOD 8021B: VOLATILES						Analyst: JJP
Benzene	ND	0.024		mg/Kg	1	7/12/2023 3:54:55 PM
Toluene	ND	0.049		mg/Kg	1	7/12/2023 3:54:55 PM
Ethylbenzene	ND	0.049		mg/Kg	1	7/12/2023 3:54:55 PM
Xylenes, Total	ND	0.097		mg/Kg	1	7/12/2023 3:54:55 PM
Surr: 4-Bromofluorobenzene	85.4	39.1-146		%Rec	1	7/12/2023 3:54:55 PM
EPA METHOD 300.0: ANIONS						Analyst: SNS
Chloride	ND	60		mg/Kg	20	7/13/2023 11:36:37 PM

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

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

Analytical Report

Lab Order **2307256**

Date Reported: **7/18/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: BDS Enterprises

Client Sample ID: S52A

Project: Marquardt 15 16

Collection Date: 6/30/2023 1:15:00 PM

Lab ID: 2307256-049

Matrix: SOIL

Received Date: 7/8/2023 9:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: PRD
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	7/13/2023 3:21:12 AM
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	7/13/2023 3:21:12 AM
Surr: DNOP	70.9	69-147		%Rec	1	7/13/2023 3:21:12 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	7/12/2023 4:18:49 PM
Surr: BFB	99.6	15-244		%Rec	1	7/12/2023 4:18:49 PM
EPA METHOD 8021B: VOLATILES						Analyst: JJP
Benzene	ND	0.024		mg/Kg	1	7/12/2023 4:18:49 PM
Toluene	ND	0.048		mg/Kg	1	7/12/2023 4:18:49 PM
Ethylbenzene	ND	0.048		mg/Kg	1	7/12/2023 4:18:49 PM
Xylenes, Total	ND	0.097		mg/Kg	1	7/12/2023 4:18:49 PM
Surr: 4-Bromofluorobenzene	84.5	39.1-146		%Rec	1	7/12/2023 4:18:49 PM
EPA METHOD 300.0: ANIONS						Analyst: SNS
Chloride	ND	60		mg/Kg	20	7/13/2023 11:49:02 PM

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

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

Analytical Report

Lab Order **2307256**

Date Reported: **7/18/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: BDS Enterprises

Client Sample ID: S16A

Project: Marquardt 15 16

Collection Date: 6/30/2023 10:15:00 AM

Lab ID: 2307256-050

Matrix: SOIL

Received Date: 7/8/2023 9:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: PRD
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	7/13/2023 3:45:06 AM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	7/13/2023 3:45:06 AM
Surr: DNOP	65.0	69-147	S	%Rec	1	7/13/2023 3:45:06 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	7/12/2023 4:42:45 PM
Surr: BFB	99.7	15-244		%Rec	1	7/12/2023 4:42:45 PM
EPA METHOD 8021B: VOLATILES						Analyst: JJP
Benzene	ND	0.024		mg/Kg	1	7/12/2023 4:42:45 PM
Toluene	ND	0.048		mg/Kg	1	7/12/2023 4:42:45 PM
Ethylbenzene	ND	0.048		mg/Kg	1	7/12/2023 4:42:45 PM
Xylenes, Total	ND	0.097		mg/Kg	1	7/12/2023 4:42:45 PM
Surr: 4-Bromofluorobenzene	83.7	39.1-146		%Rec	1	7/12/2023 4:42:45 PM
EPA METHOD 300.0: ANIONS						Analyst: SNS
Chloride	ND	61		mg/Kg	20	7/14/2023 12:01:27 AM

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

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

Analytical Report

Lab Order **2307256**

Date Reported: **7/18/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: BDS Enterprises

Client Sample ID: S17A

Project: Marquardt 15 16

Collection Date: 6/30/2023 10:20:00 AM

Lab ID: 2307256-051

Matrix: SOIL

Received Date: 7/8/2023 9:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: PRD
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	7/13/2023 4:32:49 AM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	7/13/2023 4:32:49 AM
Surr: DNOP	57.1	69-147	S	%Rec	1	7/13/2023 4:32:49 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	7/12/2023 5:30:42 PM
Surr: BFB	101	15-244		%Rec	1	7/12/2023 5:30:42 PM
EPA METHOD 8021B: VOLATILES						Analyst: JJP
Benzene	ND	0.025		mg/Kg	1	7/12/2023 5:30:42 PM
Toluene	ND	0.049		mg/Kg	1	7/12/2023 5:30:42 PM
Ethylbenzene	ND	0.049		mg/Kg	1	7/12/2023 5:30:42 PM
Xylenes, Total	ND	0.098		mg/Kg	1	7/12/2023 5:30:42 PM
Surr: 4-Bromofluorobenzene	85.7	39.1-146		%Rec	1	7/12/2023 5:30:42 PM
EPA METHOD 300.0: ANIONS						Analyst: SNS
Chloride	ND	60		mg/Kg	20	7/14/2023 12:13:52 AM

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

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

Analytical Report

Lab Order **2307256**

Date Reported: **7/18/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: BDS Enterprises

Client Sample ID: S18A

Project: Marquardt 15 16

Collection Date: 6/30/2023 10:25:00 AM

Lab ID: 2307256-052

Matrix: SOIL

Received Date: 7/8/2023 9:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: PRD
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	7/13/2023 4:56:38 AM
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	7/13/2023 4:56:38 AM
Surr: DNOP	67.5	69-147	S	%Rec	1	7/13/2023 4:56:38 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	7/12/2023 5:54:39 PM
Surr: BFB	103	15-244		%Rec	1	7/12/2023 5:54:39 PM
EPA METHOD 8021B: VOLATILES						Analyst: JJP
Benzene	ND	0.024		mg/Kg	1	7/12/2023 5:54:39 PM
Toluene	ND	0.048		mg/Kg	1	7/12/2023 5:54:39 PM
Ethylbenzene	ND	0.048		mg/Kg	1	7/12/2023 5:54:39 PM
Xylenes, Total	ND	0.097		mg/Kg	1	7/12/2023 5:54:39 PM
Surr: 4-Bromofluorobenzene	86.7	39.1-146		%Rec	1	7/12/2023 5:54:39 PM
EPA METHOD 300.0: ANIONS						Analyst: SNS
Chloride	ND	60		mg/Kg	20	7/14/2023 12:26:16 AM

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

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

Analytical Report

Lab Order **2307256**

Date Reported: **7/18/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: BDS Enterprises

Client Sample ID: S19A

Project: Marquardt 15 16

Collection Date: 6/30/2023 10:30:00 AM

Lab ID: 2307256-053

Matrix: SOIL

Received Date: 7/8/2023 9:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: PRD
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	7/13/2023 5:20:28 AM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	7/13/2023 5:20:28 AM
Surr: DNOP	56.6	69-147	S	%Rec	1	7/13/2023 5:20:28 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	7/12/2023 6:18:36 PM
Surr: BFB	104	15-244		%Rec	1	7/12/2023 6:18:36 PM
EPA METHOD 8021B: VOLATILES						Analyst: JJP
Benzene	ND	0.024		mg/Kg	1	7/12/2023 6:18:36 PM
Toluene	ND	0.048		mg/Kg	1	7/12/2023 6:18:36 PM
Ethylbenzene	ND	0.048		mg/Kg	1	7/12/2023 6:18:36 PM
Xylenes, Total	ND	0.097		mg/Kg	1	7/12/2023 6:18:36 PM
Surr: 4-Bromofluorobenzene	87.0	39.1-146		%Rec	1	7/12/2023 6:18:36 PM
EPA METHOD 300.0: ANIONS						Analyst: SNS
Chloride	ND	60		mg/Kg	20	7/14/2023 12:38:40 AM

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

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

Analytical Report

Lab Order **2307256**

Date Reported: **7/18/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: BDS Enterprises

Client Sample ID: S20A

Project: Marquardt 15 16

Collection Date: 6/30/2023 10:35:00 AM

Lab ID: 2307256-054

Matrix: SOIL

Received Date: 7/8/2023 9:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: PRD
Diesel Range Organics (DRO)	ND	9.2		mg/Kg	1	7/13/2023 5:44:17 AM
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	7/13/2023 5:44:17 AM
Surr: DNOP	55.2	69-147	S	%Rec	1	7/13/2023 5:44:17 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	7/12/2023 6:42:34 PM
Surr: BFB	101	15-244		%Rec	1	7/12/2023 6:42:34 PM
EPA METHOD 8021B: VOLATILES						Analyst: JJP
Benzene	ND	0.024		mg/Kg	1	7/12/2023 6:42:34 PM
Toluene	ND	0.048		mg/Kg	1	7/12/2023 6:42:34 PM
Ethylbenzene	ND	0.048		mg/Kg	1	7/12/2023 6:42:34 PM
Xylenes, Total	ND	0.096		mg/Kg	1	7/12/2023 6:42:34 PM
Surr: 4-Bromofluorobenzene	85.1	39.1-146		%Rec	1	7/12/2023 6:42:34 PM
EPA METHOD 300.0: ANIONS						Analyst: SNS
Chloride	ND	59		mg/Kg	20	7/14/2023 12:51:05 AM

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

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

Analytical Report

Lab Order **2307256**

Date Reported: **7/18/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: BDS Enterprises

Client Sample ID: S21A

Project: Marquardt 15 16

Collection Date: 6/30/2023 10:40:00 AM

Lab ID: 2307256-055

Matrix: SOIL

Received Date: 7/8/2023 9:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: PRD
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	7/13/2023 6:08:07 AM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	7/13/2023 6:08:07 AM
Surr: DNOP	64.4	69-147	S	%Rec	1	7/13/2023 6:08:07 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	7/12/2023 7:06:29 PM
Surr: BFB	99.5	15-244		%Rec	1	7/12/2023 7:06:29 PM
EPA METHOD 8021B: VOLATILES						Analyst: JJP
Benzene	ND	0.025		mg/Kg	1	7/12/2023 7:06:29 PM
Toluene	ND	0.049		mg/Kg	1	7/12/2023 7:06:29 PM
Ethylbenzene	ND	0.049		mg/Kg	1	7/12/2023 7:06:29 PM
Xylenes, Total	ND	0.098		mg/Kg	1	7/12/2023 7:06:29 PM
Surr: 4-Bromofluorobenzene	82.5	39.1-146		%Rec	1	7/12/2023 7:06:29 PM
EPA METHOD 300.0: ANIONS						Analyst: SNS
Chloride	ND	60		mg/Kg	20	7/14/2023 1:28:20 AM

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

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

Analytical Report

Lab Order **2307256**

Date Reported: **7/18/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: BDS Enterprises

Client Sample ID: S22A

Project: Marquardt 15 16

Collection Date: 6/30/2023 10:45:00 AM

Lab ID: 2307256-056

Matrix: SOIL

Received Date: 7/8/2023 9:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: PRD
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	7/13/2023 6:31:55 AM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	7/13/2023 6:31:55 AM
Surr: DNOP	66.3	69-147	S	%Rec	1	7/13/2023 6:31:55 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	7/12/2023 7:30:19 PM
Surr: BFB	99.5	15-244		%Rec	1	7/12/2023 7:30:19 PM
EPA METHOD 8021B: VOLATILES						Analyst: JJP
Benzene	ND	0.024		mg/Kg	1	7/12/2023 7:30:19 PM
Toluene	ND	0.048		mg/Kg	1	7/12/2023 7:30:19 PM
Ethylbenzene	ND	0.048		mg/Kg	1	7/12/2023 7:30:19 PM
Xylenes, Total	ND	0.097		mg/Kg	1	7/12/2023 7:30:19 PM
Surr: 4-Bromofluorobenzene	83.2	39.1-146		%Rec	1	7/12/2023 7:30:19 PM
EPA METHOD 300.0: ANIONS						Analyst: SNS
Chloride	ND	60		mg/Kg	20	7/14/2023 1:40:45 AM

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

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

Analytical Report

Lab Order **2307256**

Date Reported: **7/18/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: BDS Enterprises

Client Sample ID: S23A

Project: Marquardt 15 16

Collection Date: 6/30/2023 10:50:00 AM

Lab ID: 2307256-057

Matrix: SOIL

Received Date: 7/8/2023 9:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: PRD
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	7/13/2023 6:55:43 AM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	7/13/2023 6:55:43 AM
Surr: DNOP	64.2	69-147	S	%Rec	1	7/13/2023 6:55:43 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: JJP
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	7/12/2023 7:54:05 PM
Surr: BFB	98.6	15-244		%Rec	1	7/12/2023 7:54:05 PM
EPA METHOD 8021B: VOLATILES						Analyst: JJP
Benzene	ND	0.025		mg/Kg	1	7/12/2023 7:54:05 PM
Toluene	ND	0.050		mg/Kg	1	7/12/2023 7:54:05 PM
Ethylbenzene	ND	0.050		mg/Kg	1	7/12/2023 7:54:05 PM
Xylenes, Total	ND	0.099		mg/Kg	1	7/12/2023 7:54:05 PM
Surr: 4-Bromofluorobenzene	82.4	39.1-146		%Rec	1	7/12/2023 7:54:05 PM
EPA METHOD 300.0: ANIONS						Analyst: SNS
Chloride	ND	60		mg/Kg	20	7/14/2023 1:53:10 AM

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

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

Analytical Report

Lab Order **2307256**

Date Reported: **7/18/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: BDS Enterprises

Client Sample ID: S24A

Project: Marquardt 15 16

Collection Date: 6/30/2023 10:55:00 AM

Lab ID: 2307256-058

Matrix: SOIL

Received Date: 7/8/2023 9:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: PRD
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	7/13/2023 7:19:28 AM
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	7/13/2023 7:19:28 AM
Surr: DNOP	52.0	69-147	S	%Rec	1	7/13/2023 7:19:28 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	7/12/2023 8:17:50 PM
Surr: BFB	98.8	15-244		%Rec	1	7/12/2023 8:17:50 PM
EPA METHOD 8021B: VOLATILES						Analyst: JJP
Benzene	ND	0.024		mg/Kg	1	7/12/2023 8:17:50 PM
Toluene	ND	0.048		mg/Kg	1	7/12/2023 8:17:50 PM
Ethylbenzene	ND	0.048		mg/Kg	1	7/12/2023 8:17:50 PM
Xylenes, Total	ND	0.096		mg/Kg	1	7/12/2023 8:17:50 PM
Surr: 4-Bromofluorobenzene	82.9	39.1-146		%Rec	1	7/12/2023 8:17:50 PM
EPA METHOD 300.0: ANIONS						Analyst: JMT
Chloride	ND	60		mg/Kg	20	7/14/2023 5:48:22 AM

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

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

Analytical Report

Lab Order **2307256**

Date Reported: **7/18/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: BDS Enterprises

Client Sample ID: S25A

Project: Marquardt 15 16

Collection Date: 6/30/2023 11:00:00 AM

Lab ID: 2307256-059

Matrix: SOIL

Received Date: 7/8/2023 9:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: PRD
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	7/13/2023 7:43:11 AM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	7/13/2023 7:43:11 AM
Surr: DNOP	54.2	69-147	S	%Rec	1	7/13/2023 7:43:11 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: JJP
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	7/12/2023 8:41:36 PM
Surr: BFB	100	15-244		%Rec	1	7/12/2023 8:41:36 PM
EPA METHOD 8021B: VOLATILES						Analyst: JJP
Benzene	ND	0.025		mg/Kg	1	7/12/2023 8:41:36 PM
Toluene	ND	0.050		mg/Kg	1	7/12/2023 8:41:36 PM
Ethylbenzene	ND	0.050		mg/Kg	1	7/12/2023 8:41:36 PM
Xylenes, Total	ND	0.099		mg/Kg	1	7/12/2023 8:41:36 PM
Surr: 4-Bromofluorobenzene	83.8	39.1-146		%Rec	1	7/12/2023 8:41:36 PM
EPA METHOD 300.0: ANIONS						Analyst: JMT
Chloride	ND	60		mg/Kg	20	7/14/2023 6:25:35 AM

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

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

Analytical Report

Lab Order **2307256**

Date Reported: **7/18/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: BDS Enterprises

Client Sample ID: S26A

Project: Marquardt 15 16

Collection Date: 6/30/2023 11:05:00 AM

Lab ID: 2307256-060

Matrix: SOIL

Received Date: 7/8/2023 9:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: PRD
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	7/13/2023 10:02:56 AM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	7/13/2023 10:02:56 AM
Surr: DNOP	88.5	69-147		%Rec	1	7/13/2023 10:02:56 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	7/12/2023 9:05:20 PM
Surr: BFB	97.2	15-244		%Rec	1	7/12/2023 9:05:20 PM
EPA METHOD 8021B: VOLATILES						Analyst: JJP
Benzene	ND	0.025		mg/Kg	1	7/12/2023 9:05:20 PM
Toluene	ND	0.049		mg/Kg	1	7/12/2023 9:05:20 PM
Ethylbenzene	ND	0.049		mg/Kg	1	7/12/2023 9:05:20 PM
Xylenes, Total	ND	0.098		mg/Kg	1	7/12/2023 9:05:20 PM
Surr: 4-Bromofluorobenzene	81.4	39.1-146		%Rec	1	7/12/2023 9:05:20 PM
EPA METHOD 300.0: ANIONS						Analyst: JMT
Chloride	ND	60		mg/Kg	20	7/14/2023 7:02:49 AM

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

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

Analytical Report

Lab Order **2307256**

Date Reported: **7/18/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: BDS Enterprises

Client Sample ID: S27A

Project: Marquardt 15 16

Collection Date: 6/30/2023 11:10:00 AM

Lab ID: 2307256-061

Matrix: SOIL

Received Date: 7/8/2023 9:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: PRD
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	7/13/2023 3:38:23 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	7/13/2023 3:38:23 PM
Surr: DNOP	71.8	69-147		%Rec	1	7/13/2023 3:38:23 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: JJP
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	7/12/2023 11:27:04 PM
Surr: BFB	96.1	15-244		%Rec	1	7/12/2023 11:27:04 PM
EPA METHOD 8021B: VOLATILES						Analyst: JJP
Benzene	ND	0.025		mg/Kg	1	7/12/2023 11:27:04 PM
Toluene	ND	0.050		mg/Kg	1	7/12/2023 11:27:04 PM
Ethylbenzene	ND	0.050		mg/Kg	1	7/12/2023 11:27:04 PM
Xylenes, Total	ND	0.10		mg/Kg	1	7/12/2023 11:27:04 PM
Surr: 4-Bromofluorobenzene	80.9	39.1-146		%Rec	1	7/12/2023 11:27:04 PM
EPA METHOD 300.0: ANIONS						Analyst: JMT
Chloride	ND	60		mg/Kg	20	7/14/2023 7:15:13 AM

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

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2307256

18-Jul-23

Client: BDS Enterprises

Project: Marquardt 15 16

Sample ID: MB-76083	SampType: MBLK	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 76083	RunNo: 98079								
Prep Date: 7/10/2023	Analysis Date: 7/10/2023	SeqNo: 3569061	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-76083	SampType: LCS	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 76083	RunNo: 98079								
Prep Date: 7/10/2023	Analysis Date: 7/10/2023	SeqNo: 3569062	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	91.2	90	110			

Sample ID: MB-76105	SampType: MBLK	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 76105	RunNo: 98114								
Prep Date: 7/11/2023	Analysis Date: 7/11/2023	SeqNo: 3570265	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-76105	SampType: LCS	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 76105	RunNo: 98114								
Prep Date: 7/11/2023	Analysis Date: 7/11/2023	SeqNo: 3570266	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	92.5	90	110			

Sample ID: MB-76110	SampType: MBLK	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 76110	RunNo: 98114								
Prep Date: 7/11/2023	Analysis Date: 7/11/2023	SeqNo: 3570295	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-76110	SampType: LCS	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 76110	RunNo: 98114								
Prep Date: 7/11/2023	Analysis Date: 7/11/2023	SeqNo: 3570296	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	91.3	90	110			

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2307256

18-Jul-23

Client: BDS Enterprises

Project: Marquardt 15 16

Sample ID: MB-76202	SampType: mblk	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 76202	RunNo: 98195								
Prep Date: 7/13/2023	Analysis Date: 7/14/2023	SeqNo: 3573322	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-76202	SampType: lcs	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 76202	RunNo: 98195								
Prep Date: 7/13/2023	Analysis Date: 7/14/2023	SeqNo: 3573323	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	90.9	90	110			

Sample ID: MB-76198	SampType: MBLK	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 76198	RunNo: 98181								
Prep Date: 7/13/2023	Analysis Date: 7/13/2023	SeqNo: 3573458	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-76198	SampType: LCS	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 76198	RunNo: 98181								
Prep Date: 7/13/2023	Analysis Date: 7/13/2023	SeqNo: 3573459	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	15	1.5	15.00	0	97.8	90	110			

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2307256

18-Jul-23

Client: BDS Enterprises

Project: Marquardt 15 16

Sample ID: 2307256-024AMS	SampType: MS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: S15A	Batch ID: 76085	RunNo: 98123								
Prep Date: 7/10/2023	Analysis Date: 7/11/2023	SeqNo: 3570528	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	26	8.9	44.64	0	59.3	54.2	135			
Surr: DNOP	1.6		4.464		35.2	69	147			S

Sample ID: 2307256-024AMSD	SampType: MSD	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: S15A	Batch ID: 76085	RunNo: 98123								
Prep Date: 7/10/2023	Analysis Date: 7/11/2023	SeqNo: 3570529	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	32	9.4	46.77	0	69.1	54.2	135	19.9	29.2	
Surr: DNOP	1.9		4.677		40.7	69	147	0	0	S

Sample ID: LCS-76085	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 76085	RunNo: 98123								
Prep Date: 7/10/2023	Analysis Date: 7/11/2023	SeqNo: 3570553	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	58	10	50.00	0	117	61.9	130			
Surr: DNOP	5.8		5.000		116	69	147			

Sample ID: MB-76085	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 76085	RunNo: 98123								
Prep Date: 7/10/2023	Analysis Date: 7/11/2023	SeqNo: 3570556	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	12		10.00		120	69	147			

Sample ID: 2307256-024AMS	SampType: MS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: S15A	Batch ID: 76085	RunNo: 98192								
Prep Date: 7/10/2023	Analysis Date: 7/12/2023	SeqNo: 3573135	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	29	8.9	44.64	0	64.0	54.2	135			
Surr: DNOP	2.5		4.464		54.9	69	147			S

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2307256

18-Jul-23

Client: BDS Enterprises

Project: Marquardt 15 16

Sample ID: 2307256-024AMSD	SampType: MSD	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: S15A	Batch ID: 76085	RunNo: 98192								
Prep Date: 7/10/2023	Analysis Date: 7/12/2023	SeqNo: 3573136	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	34	9.4	46.77	0	72.6	54.2	135	24.8	29.2	
Surr: DNOP	2.9		4.677		61.8	69	147	0	0	S

Sample ID: LCS-76102	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 76102	RunNo: 98192								
Prep Date: 7/11/2023	Analysis Date: 7/12/2023	SeqNo: 3573140	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	54	10	50.00	0	108	61.9	130			
Surr: DNOP	5.4		5.000		109	69	147			

Sample ID: MB-76102	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 76102	RunNo: 98192								
Prep Date: 7/11/2023	Analysis Date: 7/12/2023	SeqNo: 3573141	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	11		10.00		114	69	147			

Sample ID: MB-76108	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 76108	RunNo: 98192								
Prep Date: 7/11/2023	Analysis Date: 7/12/2023	SeqNo: 3573162	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	8.4		10.00		84.2	69	147			

Sample ID: LCS-76108	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 76108	RunNo: 98192								
Prep Date: 7/11/2023	Analysis Date: 7/12/2023	SeqNo: 3573163	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	52	10	50.00	0	104	61.9	130			
Surr: DNOP	4.4		5.000		87.7	69	147			

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2307256

18-Jul-23

Client: BDS Enterprises
Project: Marquardt 15 16

Sample ID: MB-76120	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 76120	RunNo: 98192								
Prep Date: 7/11/2023	Analysis Date: 7/13/2023	SeqNo: 3573184	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	9.9		10.00		99.2	69	147			

Sample ID: LCS-76120	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 76120	RunNo: 98192								
Prep Date: 7/11/2023	Analysis Date: 7/13/2023	SeqNo: 3573185	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	53	10	50.00	0	106	61.9	130			
Surr: DNOP	5.1		5.000		102	69	147			

Sample ID: 2307256-025AMS	SampType: MS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: S28A	Batch ID: 76102	RunNo: 98192								
Prep Date: 7/11/2023	Analysis Date: 7/14/2023	SeqNo: 3573221	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	30	9.8	49.12	0	60.5	54.2	135			
Surr: DNOP	2.3		4.912		47.6	69	147			S

Sample ID: 2307256-025AMSD	SampType: MSD	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: S28A	Batch ID: 76102	RunNo: 98192								
Prep Date: 7/11/2023	Analysis Date: 7/14/2023	SeqNo: 3573222	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	37	9.7	48.69	0	75.0	54.2	135	20.6	29.2	
Surr: DNOP	3.2		4.869		66.5	69	147	0	0	S

Sample ID: 2307256-042AMS	SampType: MS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: S45A	Batch ID: 76108	RunNo: 98192								
Prep Date: 7/11/2023	Analysis Date: 7/14/2023	SeqNo: 3573223	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	45	9.6	47.80	0	94.5	54.2	135			
Surr: DNOP	4.0		4.780		84.6	69	147			

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2307256

18-Jul-23

Client: BDS Enterprises

Project: Marquardt 15 16

Sample ID: 2307256-042AMSD	SampType: MSD	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: S45A	Batch ID: 76108	RunNo: 98192								
Prep Date: 7/11/2023	Analysis Date: 7/14/2023	SeqNo: 3573224	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	49	9.7	48.59	0	101	54.2	135	8.10	29.2	
Surr: DNOP	4.5		4.859		92.4	69	147	0	0	

Sample ID: 2307256-001AMS	SampType: MS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: SW1	Batch ID: 76120	RunNo: 98192								
Prep Date: 7/11/2023	Analysis Date: 7/14/2023	SeqNo: 3573225	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	34	9.8	48.88	0	70.5	54.2	135			
Surr: DNOP	2.9		4.888		60.3	69	147			S

Sample ID: 2307256-001AMSD	SampType: MSD	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: SW1	Batch ID: 76120	RunNo: 98192								
Prep Date: 7/11/2023	Analysis Date: 7/14/2023	SeqNo: 3573226	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	40	9.8	48.78	0	81.1	54.2	135	13.9	29.2	
Surr: DNOP	3.1		4.878		63.2	69	147	0	0	S

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2307256

18-Jul-23

Client: BDS Enterprises

Project: Marquardt 15 16

Sample ID: ics-76080	SampType: LCS		TestCode: EPA Method 8015D: Gasoline Range							
Client ID: LCSS	Batch ID: 76080		RunNo: 98073							
Prep Date: 7/10/2023	Analysis Date: 7/11/2023		SeqNo: 3570057		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	21	5.0	25.00	0	85.9	70	130			
Surr: BFB	2100		1000		206	15	244			

Sample ID: mb-76080	SampType: MBLK		TestCode: EPA Method 8015D: Gasoline Range							
Client ID: PBS	Batch ID: 76080		RunNo: 98073							
Prep Date: 7/10/2023	Analysis Date: 7/11/2023		SeqNo: 3570058		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	1000		1000		103	15	244			

Sample ID: 2307256-001ams	SampType: MS		TestCode: EPA Method 8015D: Gasoline Range							
Client ID: SW1	Batch ID: 76079		RunNo: 98115							
Prep Date: 7/10/2023	Analysis Date: 7/11/2023		SeqNo: 3570333		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	24	4.9	24.41	0	99.4	70	130			
Surr: BFB	2100		976.6		216	15	244			

Sample ID: 2307256-001amsd	SampType: MSD		TestCode: EPA Method 8015D: Gasoline Range							
Client ID: SW1	Batch ID: 76079		RunNo: 98115							
Prep Date: 7/10/2023	Analysis Date: 7/11/2023		SeqNo: 3570334		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	24	4.9	24.61	0	98.4	70	130	0.187	20	
Surr: BFB	2100		984.3		218	15	244	0	0	

Sample ID: ics-76079	SampType: LCS		TestCode: EPA Method 8015D: Gasoline Range							
Client ID: LCSS	Batch ID: 76079		RunNo: 98115							
Prep Date: 7/10/2023	Analysis Date: 7/11/2023		SeqNo: 3570344		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	23	5.0	25.00	0	92.2	70	130			
Surr: BFB	2000		1000		204	15	244			

Sample ID: mb-76079	SampType: MBLK		TestCode: EPA Method 8015D: Gasoline Range							
Client ID: PBS	Batch ID: 76079		RunNo: 98115							
Prep Date: 7/10/2023	Analysis Date: 7/11/2023		SeqNo: 3570345		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)										
Surr: BFB										

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2307256

18-Jul-23

Client: BDS Enterprises

Project: Marquardt 15 16

Sample ID: mb-76079	SampType: MBLK	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: PBS	Batch ID: 76079	RunNo: 98115								
Prep Date: 7/10/2023	Analysis Date: 7/11/2023	SeqNo: 3570345	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	970		1000		97.0	15	244			

Sample ID: ics-76082	SampType: LCS	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: LCSS	Batch ID: 76082	RunNo: 98150								
Prep Date: 7/10/2023	Analysis Date: 7/12/2023	SeqNo: 3571245	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	21	5.0	25.00	0	84.5	70	130			
Surr: BFB	2000		1000		200	15	244			

Sample ID: mb-76082	SampType: MBLK	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: PBS	Batch ID: 76082	RunNo: 98150								
Prep Date: 7/10/2023	Analysis Date: 7/12/2023	SeqNo: 3571246	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	940		1000		94.4	15	244			

Sample ID: ics-76094	SampType: LCS	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: LCSS	Batch ID: 76094	RunNo: 98162								
Prep Date: 7/10/2023	Analysis Date: 7/12/2023	SeqNo: 3572011	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	20	5.0	25.00	0	81.9	70	130			
Surr: BFB	1900		1000		188	15	244			

Sample ID: ics-76095	SampType: LCS	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: LCSS	Batch ID: 76095	RunNo: 98162								
Prep Date: 7/10/2023	Analysis Date: 7/12/2023	SeqNo: 3572012	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	23	5.0	25.00	0	91.3	70	130			
Surr: BFB	2100		1000		206	15	244			

Sample ID: mb-76094	SampType: MBLK	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: PBS	Batch ID: 76094	RunNo: 98162								
Prep Date: 7/10/2023	Analysis Date: 7/12/2023	SeqNo: 3572013	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2307256

18-Jul-23

Client: BDS Enterprises

Project: Marquardt 15 16

Sample ID: mb-76094	SampType: MBLK		TestCode: EPA Method 8015D: Gasoline Range							
Client ID: PBS	Batch ID: 76094		RunNo: 98162							
Prep Date: 7/10/2023	Analysis Date: 7/12/2023		SeqNo: 3572013		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	960		1000		96.3	15	244			

Sample ID: mb-76095	SampType: MBLK		TestCode: EPA Method 8015D: Gasoline Range							
Client ID: PBS	Batch ID: 76095		RunNo: 98162							
Prep Date: 7/10/2023	Analysis Date: 7/12/2023		SeqNo: 3572014		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	980		1000		97.8	15	244			

Sample ID: 2307256-041ams	SampType: MS		TestCode: EPA Method 8015D: Gasoline Range							
Client ID: S44A	Batch ID: 76094		RunNo: 98162							
Prep Date: 7/10/2023	Analysis Date: 7/12/2023		SeqNo: 3572016		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	23	4.8	24.18	0	93.1	70	130			
Surr: BFB	2000		967.1		210	15	244			

Sample ID: 2307256-041amsd	SampType: MSD		TestCode: EPA Method 8015D: Gasoline Range							
Client ID: S44A	Batch ID: 76094		RunNo: 98162							
Prep Date: 7/10/2023	Analysis Date: 7/12/2023		SeqNo: 3572017		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	22	4.8	24.15	0	90.3	70	130	3.15	20	
Surr: BFB	2000		966.2		204	15	244	0	0	

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2307256

18-Jul-23

Client: BDS Enterprises
Project: Marquardt 15 16

Sample ID: 2307256-025ams	SampType: MS	TestCode: EPA Method 8021B: Volatiles								
Client ID: S28A	Batch ID: 76082	RunNo: 98073								
Prep Date: 7/10/2023	Analysis Date: 7/11/2023	SeqNo: 3570082	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.0	0.024	0.9747	0	104	70	130			
Toluene	1.0	0.049	0.9747	0	105	70	130			
Ethylbenzene	1.0	0.049	0.9747	0	106	70	130			
Xylenes, Total	3.1	0.097	2.924	0	106	70	130			
Surr: 4-Bromofluorobenzene	0.94		0.9747		96.0	39.1	146			

Sample ID: 2307256-025amsd	SampType: MSD	TestCode: EPA Method 8021B: Volatiles								
Client ID: S28A	Batch ID: 76082	RunNo: 98073								
Prep Date: 7/10/2023	Analysis Date: 7/11/2023	SeqNo: 3570083	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.1	0.024	0.9766	0	109	70	130	4.37	20	
Toluene	1.1	0.049	0.9766	0	110	70	130	4.92	20	
Ethylbenzene	1.1	0.049	0.9766	0	111	70	130	4.57	20	
Xylenes, Total	3.3	0.098	2.930	0	111	70	130	4.61	20	
Surr: 4-Bromofluorobenzene	0.94		0.9766		96.0	39.1	146	0	0	

Sample ID: lcs-76080	SampType: LCS	TestCode: EPA Method 8021B: Volatiles								
Client ID: LCSS	Batch ID: 76080	RunNo: 98073								
Prep Date: 7/10/2023	Analysis Date: 7/11/2023	SeqNo: 3570099	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.94	0.025	1.000	0	94.3	70	130			
Toluene	0.95	0.050	1.000	0	95.0	70	130			
Ethylbenzene	0.95	0.050	1.000	0	95.0	70	130			
Xylenes, Total	2.8	0.10	3.000	0	94.9	70	130			
Surr: 4-Bromofluorobenzene	0.96		1.000		95.8	39.1	146			

Sample ID: mb-76080	SampType: MBLK	TestCode: EPA Method 8021B: Volatiles								
Client ID: PBS	Batch ID: 76080	RunNo: 98073								
Prep Date: 7/10/2023	Analysis Date: 7/11/2023	SeqNo: 3570100	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.95		1.000		95.0	39.1	146			

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2307256

18-Jul-23

Client: BDS Enterprises

Project: Marquardt 15 16

Sample ID: ics-76082	SampType: LCS		TestCode: EPA Method 8021B: Volatiles							
Client ID: LCSS	Batch ID: 76082		RunNo: 98073							
Prep Date: 7/10/2023	Analysis Date: 7/11/2023		SeqNo: 3570123		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.85	0.025	1.000	0	85.1	70	130			
Toluene	0.86	0.050	1.000	0	85.7	70	130			
Ethylbenzene	0.86	0.050	1.000	0	85.8	70	130			
Xylenes, Total	2.6	0.10	3.000	0	85.7	70	130			
Surr: 4-Bromofluorobenzene	0.95		1.000		95.1	39.1	146			

Sample ID: mb-76082	SampType: MBLK		TestCode: EPA Method 8021B: Volatiles							
Client ID: PBS	Batch ID: 76082		RunNo: 98073							
Prep Date: 7/10/2023	Analysis Date: 7/11/2023		SeqNo: 3570124		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.95		1.000		94.6	39.1	146			

Sample ID: LCS-76079	SampType: LCS		TestCode: EPA Method 8021B: Volatiles							
Client ID: LCSS	Batch ID: 76079		RunNo: 98115							
Prep Date: 7/10/2023	Analysis Date: 7/11/2023		SeqNo: 3570388		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.92	0.025	1.000	0	91.5	70	130			
Toluene	0.92	0.050	1.000	0	91.7	70	130			
Ethylbenzene	0.93	0.050	1.000	0	92.8	70	130			
Xylenes, Total	2.8	0.10	3.000	0	93.5	70	130			
Surr: 4-Bromofluorobenzene	0.87		1.000		87.4	39.1	146			

Sample ID: mb-76079	SampType: MBLK		TestCode: EPA Method 8021B: Volatiles							
Client ID: PBS	Batch ID: 76079		RunNo: 98115							
Prep Date: 7/10/2023	Analysis Date: 7/11/2023		SeqNo: 3570389		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.87		1.000		87.3	39.1	146			

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2307256

18-Jul-23

Client: BDS Enterprises
Project: Marquardt 15 16

Sample ID: LCS-76094	SampType: LCS		TestCode: EPA Method 8021B: Volatiles							
Client ID: LCSS	Batch ID: 76094		RunNo: 98162							
Prep Date: 7/10/2023	Analysis Date: 7/12/2023		SeqNo: 3572066		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.83	0.025	1.000	0	83.0	70	130			
Toluene	0.84	0.050	1.000	0	83.7	70	130			
Ethylbenzene	0.84	0.050	1.000	0	83.9	70	130			
Xylenes, Total	2.5	0.10	3.000	0	84.1	70	130			
Surr: 4-Bromofluorobenzene	0.85		1.000		84.9	39.1	146			

Sample ID: LCS-76095	SampType: LCS		TestCode: EPA Method 8021B: Volatiles							
Client ID: LCSS	Batch ID: 76095		RunNo: 98162							
Prep Date: 7/10/2023	Analysis Date: 7/12/2023		SeqNo: 3572067		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.87	0.025	1.000	0	87.4	70	130			
Toluene	0.87	0.050	1.000	0	87.2	70	130			
Ethylbenzene	0.88	0.050	1.000	0	87.7	70	130			
Xylenes, Total	2.7	0.10	3.000	0	89.2	70	130			
Surr: 4-Bromofluorobenzene	0.86		1.000		86.0	39.1	146			

Sample ID: mb-76094	SampType: MBLK		TestCode: EPA Method 8021B: Volatiles							
Client ID: PBS	Batch ID: 76094		RunNo: 98162							
Prep Date: 7/10/2023	Analysis Date: 7/12/2023		SeqNo: 3572068		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.83		1.000		83.1	39.1	146			

Sample ID: mb-76095	SampType: MBLK		TestCode: EPA Method 8021B: Volatiles							
Client ID: PBS	Batch ID: 76095		RunNo: 98162							
Prep Date: 7/10/2023	Analysis Date: 7/12/2023		SeqNo: 3572069		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.82		1.000		82.3	39.1	146			

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2307256

18-Jul-23

Client: BDS Enterprises

Project: Marquardt 15 16

Sample ID: 2307256-042ams	SampType: MS	TestCode: EPA Method 8021B: Volatiles								
Client ID: S45A	Batch ID: 76094	RunNo: 98162								
Prep Date: 7/10/2023	Analysis Date: 7/12/2023	SeqNo: 3572072	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.80	0.025	0.9930	0	80.7	70	130			
Toluene	0.83	0.050	0.9930	0	83.3	70	130			
Ethylbenzene	0.84	0.050	0.9930	0	84.9	70	130			
Xylenes, Total	2.6	0.099	2.979	0	85.9	70	130			
Surr: 4-Bromofluorobenzene	0.86		0.9930		86.4	39.1	146			

Sample ID: 2307256-042amsd	SampType: MSD	TestCode: EPA Method 8021B: Volatiles								
Client ID: S45A	Batch ID: 76094	RunNo: 98162								
Prep Date: 7/10/2023	Analysis Date: 7/12/2023	SeqNo: 3572073	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.84	0.025	0.9970	0	84.1	70	130	4.54	20	
Toluene	0.85	0.050	0.9970	0	85.2	70	130	2.63	20	
Ethylbenzene	0.87	0.050	0.9970	0	87.2	70	130	2.99	20	
Xylenes, Total	2.6	0.10	2.991	0	88.0	70	130	2.80	20	
Surr: 4-Bromofluorobenzene	0.86		0.9970		86.1	39.1	146	0	0	

Sample ID: 2307256-061ams	SampType: MS	TestCode: EPA Method 8021B: Volatiles								
Client ID: S27A	Batch ID: 76095	RunNo: 98162								
Prep Date: 7/10/2023	Analysis Date: 7/12/2023	SeqNo: 3572097	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.92	0.025	0.9881	0	93.5	70	130			
Toluene	0.94	0.049	0.9881	0	95.6	70	130			
Ethylbenzene	0.95	0.049	0.9881	0	96.4	70	130			
Xylenes, Total	2.9	0.099	2.964	0	97.8	70	130			
Surr: 4-Bromofluorobenzene	0.81		0.9881		82.5	39.1	146			

Sample ID: 2307256-061amsd	SampType: MSD	TestCode: EPA Method 8021B: Volatiles								
Client ID: S27A	Batch ID: 76095	RunNo: 98162								
Prep Date: 7/10/2023	Analysis Date: 7/13/2023	SeqNo: 3572099	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.88	0.025	0.9960	0	88.6	70	130	4.66	20	
Toluene	0.89	0.050	0.9960	0	89.4	70	130	5.85	20	
Ethylbenzene	0.90	0.050	0.9960	0	90.8	70	130	5.20	20	
Xylenes, Total	2.7	0.10	2.988	0	91.6	70	130	5.79	20	
Surr: 4-Bromofluorobenzene	0.85		0.9960		84.9	39.1	146	0	0	

Qualifiers:

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



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

Sample Log-In Check List

Client Name: BDS Enterprises Work Order Number: 2307256 RcptNo: 1

Received By: Tracy Casarrubias 7/8/2023 9:00:00 AM

Completed By: Tracy Casarrubias 7/8/2023 10:26:53 AM

Reviewed By: JN 7/10/23

Chain of Custody

1. Is Chain of Custody complete? Yes [] No [x] Not Present []

2. How was the sample delivered? Courier

Log In

3. Was an attempt made to cool the samples? Yes [x] No [] NA []

4. Were all samples received at a temperature of >0° C to 6.0°C Yes [x] No [] NA []

5. Sample(s) in proper container(s)? Yes [x] No []

6. Sufficient sample volume for indicated test(s)? Yes [x] No []

7. Are samples (except VOA and ONG) properly preserved? Yes [x] No []

8. Was preservative added to bottles? Yes [] No [x] NA []

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

10. Were any sample containers received broken? Yes [] No [x]

11. Does paperwork match bottle labels? Yes [x] No []

(Note discrepancies on chain of custody)

12. Are matrices correctly identified on Chain of Custody? Yes [] No [x]

13. Is it clear what analyses were requested? Yes [x] No []

14. Were all holding times able to be met? Yes [x] No []

(If no, notify customer for authorization.)

of preserved bottles checked for pH:

(<2 or >12 unless noted)

Adjusted?

Checked by: TMC 7/8/23

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes [] No [] NA [x]

Person Notified: [] Date: []

By Whom: [] Via: [] eMail [] Phone [] Fax [] In Person []

Regarding: []

Client Instructions: Mailing address is missing on COC- TMC 7/8/23

16. Additional remarks:

17. Cooler Information

Table with 7 columns: Cooler No, Temp °C, Condition, Seal Intact, Seal No, Seal Date, Signed By. Row 1: 1, 1.0, Good, Yes, Yogi, [], []

Chain-of-Custody Record

Client: Black Beck
 Mailing Address: Greene
 Phone #: 575.247.1104
 email or Fax#: rebecca@silfield.com
 QA/QC Package: Standard Level 4 (Full Validation)
 Accreditation: Az Compliance NELAC Other
 EDD (Type)

Turn-Around Time:
 Standard Rush 5 day
 Project Name: Marquardt 15,16
 Project #: Black Beck
 Project Manager: Rebecca Pons
 Sampler:
 On Ice: Yes No yoqi
 # of Coolers: 1
 Cooler Temp (including cfp): 1.0 - 0 = 1.0 °C



HALL ENVIRONMENTAL ANALYSIS LABORATORY
 www.hallenvironmental.com
 4901 Hawkins NE - Albuquerque, NM 87109
 Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.
8/30	8:00	Soil	SW1	JARL	Ice	2307256
	8:05		SW2			
	8:10		SW3			
	8:15		SW4			
	8:20		SW5			
	8:25		SW6			
	8:30		SW7			
	8:35		SW8			
	8:40		SW9			
	8:50		SWA			
	9:05		SWA			
	9:10		SWA			

Received by: [Signature] Date: 7/123 Time: 1345
 Received by: [Signature] Date: 7/123 Time: 9:00
 Relinquished by: [Signature]
 Relinquished by: [Signature]

District I
 1625 N. French Dr., Hobbs, NM 88240
 Phone:(575) 393-6161 Fax:(575) 393-0720
District II
 811 S. First St., Artesia, NM 88210
 Phone:(575) 748-1283 Fax:(575) 748-9720
District III
 1000 Rio Brazos Rd., Aztec, NM 87410
 Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
 1220 S. St Francis Dr., Santa Fe, NM 87505
 Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 262385

CONDITIONS

Operator: Blackbuck New Mexico LLC 3200 Southwest Freeway Houston, TX 77027	OGRID: 373619
	Action Number: 262385
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
rhamlet	We have received your Remediation Closure Report for Incident #NAPP2315035246 MARQUARDT RISER, thank you. This Remediation Closure Report is approved. A report for reclamation and revegetation including pictures of the contoured backfilled excavation surface and a thorough discussion on reseeding mixture, vegetation ratio, timelines, etc..., will need to be submitted and approved prior to this incident receiving the final status of "Restoration Complete".	1/26/2024