

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	NAPP2322937964
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party	Special Energy Corporation	OGRID	138008
Contact Name	Don Terry	Contact Telephone	405-377-1177
Contact email	don.terry@specialenergycorp.com	Incident # (assigned by OCD)	nAPP2322937964
Contact mailing address	P.O. Drawer 369, Stillwater, OK 74076		

Location of Release Source

Latitude 32.7750206 Longitude -103.8849945
(NAD 83 in decimal degrees to 5 decimal places)

Site Name	Federal #001	Site Type	Tank Battery
Date Release Discovered	08/07/2023	API# (if applicable)	30-015-25490 P&A

Unit Letter	Section	Township	Range	County
I	05	18S	31E	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 checked="" type="checkbox"/> Produced Water	Volume Released (bbls) 258	Volume Recovered (bbls) 230
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input checked="" 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

Lightning strike to two fiberglass produced water storage tanks causing fire and completely destroying tanks. Notified by sheriff of fire at 5:30 am Monday, August 7. Once fire was out, contacted remediation contractor and began recovery of water from tank battery. Unsure of exact volume lost as an unknown quantity was evaporated in the tank during the fire.

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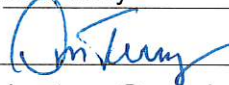
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Was this a major release as defined by 19.15.29.7(A) NMAC? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If YES, for what reason(s) does the responsible party consider this a major release? Due to lightning strike and subsequent fire, unauthorized release of a volume of 25 barrells or more.
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? Notice was given on 8/17/23 by Don Terry with Special Energy to Jocelyn Harimon with the OCD in Santa Fe by phone	

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

<input checked="" type="checkbox"/> The source of the release has been stopped. <input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment. <input checked="" type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. <input checked="" type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.	
If all the actions described above have <u>not</u> been undertaken, explain why: 	
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
Printed Name: <u>Don Terry</u>	Title: <u>Operations Manager / Engineer</u>
Signature: <u></u>	Date: <u>8/17/2023</u>
email: <u>don.terry@specialenergycorp.com</u>	Telephone: <u>405-377-1177</u>
<u>OCD Only</u>	
Received by: <u>Shelly Wells</u>	Date: <u>11/1/2023</u>

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

What is the shallowest depth to groundwater beneath the area affected by the release?	_____ (ft bgs)
Did this release impact groundwater or surface water?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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 checked="" type="checkbox"/> 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 checked="" type="checkbox"/> 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 checked="" type="checkbox"/> 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 checked="" type="checkbox"/> No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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 checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Did the release impact areas not on an exploration, development, production, or storage site?	<input type="checkbox"/> Yes <input checked="" 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.

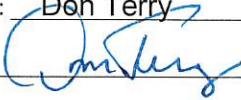
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I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform 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 Terry Title: Operations Manager/Engineer
Signature:  Date: 10/31/23
email: don.terry@specialenergycorp.com Telephone: 405-377-1177

OCD Only

Received by: Shelly Wells Date: 11/1/2023

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Remediation Plan

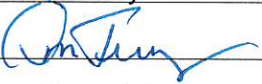
Remediation Plan Checklist: Each of the following items must be included in the plan.

- ☒ 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 Terry Title: Operations Manager/Engineer
Signature:  Date: 10/31/23
email: don.terry@specialenergycorp.com Telephone: 405-377-1177

OCD OnlyReceived by: Shelly Wells Date: 11/1/2023

☐ Approved ☐ Approved with Attached Conditions of Approval ☐ Denied ☐ Deferral Approved

Signature: _____ Date: _____

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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 OCD 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 Terry Title: Operations Manager/EngineerSignature:  Date: 10/31/23email: don.terry@specialenergycorp.com Telephone: 405-377-1177**OCD Only**Received by: Shelly Wells Date: 11/1/2023

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: _____



MCollier@H-R_Enterprises.com 575-909-0326

Site Assessment, Remediation, and Closure Report

Federal 5 Battery (Federal #001 P&A Well Pad)

Incident# nAPP2322937964

Eddy County, New Mexico

Prepared For:

Special Energy Corp.

P.O. Drawer 369

Stillwater, OK 74076

Prepared By:

H&R Enterprises, LLC

5120 W. Kansas St.

Hobbs, New Mexico 88242

September 25, 2023

Mr. Mike Bratcher
NMOCD
1220 S. St. Francis Dr.
Santa Fe, NM 87505

Subject: **Site Assessment, Remediation, and Closure Report**
Federal 5 Battery (Federal #001 P&A Well Pad)
Eddy County, NM

Dear Mr. Bratcher,

Special Energy Corp. has contracted H&R Enterprises (H&R) to perform site assessment and remediation services at the above-referenced location. The results of our site assessment and remediation activities are contained herein.

Site Information

The Federal 5 Battery (Federal #001 P&A Well Pad) is located approximately 33.7 miles East of Artesia, New Mexico. The legal location for this release is Unit Letter I, Section 05, Township 18 South and Range 31 East in Eddy County, New Mexico. More specifically the latitude and longitude for the release are 32.7750206 North and -103.8849945 West. Site plans are presented in [Appendix I](#).

According to the soil survey provided by the United States Department of Agriculture Natural Resources Conservation Service, the soil in this area is made up of Kermit-Berino fine sands, 0 to 3 percent slopes. The referenced soil data is attached in [Appendix II](#). Drainage courses in this area are typically dry. The project site is not located in a high Karst potential area (Karst Map, [Appendix I](#)).

Groundwater and Site Characterization

The New Mexico Office of the State Engineer web site indicates that there is no reported groundwater data within a radius of 10,000-meters. See [Appendix II](#) for the referenced groundwater data.

If a release occurs within the following areas, the responsible party must treat the release as if it occurred less than 50 feet to the groundwater in Table I, New Mexico Oil Conservation Division (NMOCD) Rule 19.15.29, NMAC.

Approximate Depth to Groundwater		Unknown Feet/BGS
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	Within 300 feet of any continuously flowing watercourse or any other significant watercourse
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	Within 200 feet of any lakebed, sinkhole, or a playa lake
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	Within 300 feet from an occupied permanent residence, school, hospital, institution, or church
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	Within 500 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 checked="" type="checkbox"/> No	Within 1000 feet of any freshwater well or spring
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	Within incorporated municipal boundaries or within a defined municipal freshwater well field covered under a municipal ordinance adopted pursuant to Section 3-2703 NMSA 1978
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	Within 300 feet of a wetland
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	Within the area overlying a subsurface mine
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	Within an unstable area
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	Within a 100-year floodplain

As this is a remediation with no reported groundwater withing the NMOCD recommendations, the closure criteria for this site are as follows:

Table I			
Closure Criteria for Soils Impacted by a Release			
Minimum depth below any point within the horizontal boundary of the release to ground water less than 10,000 mg/l TDS	Constituent	Method*	Limit**
≤ 50 feet	Chloride **	EPA 300.0 or SM4500 CIB	600 mg/kg
	TPH (GRO+DRO+MRO)	EPA SW-846 Method 8015M	100 mg/kg
	BTEX	EPA SW-846 Method 8021B or 8260B	50 mg/kg
	Benzene	EPA SW-846 Method 8021B or 8260B	10 mg/kg

Incident Description

On August 07, 2023, Special Energy Corp was notified by the Eddy County Sheriff's Department that lightning had struck two fiberglass produced water storage tanks, causing a fire that completely destroyed the tanks. This resulted in the released of 258 barrels (bbls) of produced water into the bermed containment, onto the well pad, and into the pasture. An estimated total of 230 bbls were recovered.

Site Assessment and Remediation Activities

H&R mobilized personnel to begin site assessment, sampling, and remediation activities of the location. Grab samples were obtained by way of air rotary drill from inside the containment, on the well pad, and in the impacted pasture area. Samples were transported to Cardinal Laboratory for analysis and the results of that analysis are presented in the following data table. Initial site assessment sampling locations are illustrated on Site Assessment Map, [Appendix I](#).

Table 1: Initial Soil Samples Analysis

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	Cl mg/kg
NMOCD Table 1 Closure Criteria 19.15.29 NMAC			50 mg/kg	10 mg/kg	100 mg/kg			100 mg/kg	600 mg/kg
BH-1	8/23/2023	0-1'	1.05	ND	65.2	1430	283	1778.2	2840
		2'	1.25	ND	121	3470	771	4362	144
		3'	ND	ND	ND	506	113	619	32
		4'	ND	ND	ND	14.5	ND	14.5	16
		5'	ND	ND	ND	13.4	ND	13.4	32
BH-2	8/23/2023	0-1'	2.73	ND	201	4750	1080	6031	208
		2'	ND	ND	ND	270	88.3	358.3	32
		3'	ND	ND	ND	ND	ND	0	16
		4'	ND	ND	ND	ND	ND	0	16
BH-3	8/23/2023	0-1'	ND	ND	ND	ND	ND	0	16
		2'	ND	ND	ND	ND	ND	0	432
		3'	ND	ND	ND	ND	ND	0	112
		4'	ND	ND	ND	ND	ND	0	96
BH-4	8/23/2023	0-1'	ND	ND	ND	ND	ND	0	7120
		2'	ND	ND	ND	ND	ND	0	208
		3'	ND	ND	ND	ND	ND	0	16
		4'	ND	ND	ND	ND	ND	0	16
BH-5	8/23/2023	0-1'	ND	ND	ND	ND	ND	0	6640
		2'	ND	ND	ND	ND	ND	0	80
		3'	ND	ND	ND	ND	ND	0	304
		4'	ND	ND	ND	ND	ND	0	288
BH-6	8/23/2023	0-1'	ND	ND	ND	ND	ND	0	5200
		2'	ND	ND	ND	ND	ND	0	4960
		3'	ND	ND	ND	ND	ND	0	7730
		4'	ND	ND	ND	ND	ND	0	4400
		6'	ND	ND	ND	ND	ND	0	160
BH-7	8/23/2023	0-1'	ND	ND	ND	ND	ND	0	1230
		2'	ND	ND	ND	ND	ND	0	1680
		3'	ND	ND	ND	ND	ND	0	432
		4'	ND	ND	ND	ND	ND	0	96
H-1	8/23/2023	0-1'	ND	ND	ND	ND	ND	0	144
H-2	8/23/2023	0-1'	ND	ND	ND	ND	ND	0	112
H-3	8/23/2023	0-1'	ND	ND	ND	ND	ND	0	48
H-4	8/23/2023	0-1'	ND	ND	ND	ND	ND	0	80
H-5	8/23/2023	0-1'	ND	ND	ND	ND	ND	0	112
H-6	8/23/2023	0-1'	ND	ND	ND	17.1	ND	17.1	96
H-7	8/23/2023	0-1'	ND	ND	ND	ND	ND	0	80
H-8	8/23/2023	0-1'	ND	ND	ND	ND	ND	0	96

ND = Analyte Not Detected BH = Vertical Bore Hole Sample H = Horizontal Sample

Based on the results of our site assessment and upon client authorization, excavation activities of the impacted areas commenced. Composite confirmation samples were collected from the bottom and sidewalls to confirm that NMOCD closure criteria had been met, the results of which can be found in the following data table. Composite confirmation sample locations and excavation dimensions can be found on Confirmation Sample Map in [Appendix I](#). Photographic documentation can be found in [Appendix IV](#). Complete laboratory reports are attached in [Appendix V](#).

Table 2: Confirmation Soil Sample Analysis

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	Cl mg/kg
NMOCD Table 1 Closure Criteria 19.15.29 NMAC			50 mg/kg	10 mg/kg	100 mg/kg			100 mg/kg	600 mg/kg
S-1	9/12/2023	4'	ND	ND	ND	ND	ND	0	144
S-2	9/12/2023	4'	ND	ND	ND	ND	ND	0	160
S-3	9/12/2023	4'	ND	ND	ND	ND	ND	0	192
S-4	9/12/2023	4'	ND	ND	ND	ND	ND	0	144
S-5	9/12/2023	4'	ND	ND	ND	ND	ND	0	160
S-6	9/12/2023	4'	ND	ND	ND	ND	ND	0	224
S-7	9/12/2023	4'	ND	ND	ND	ND	ND	0	160
S-8	9/12/2023	2'	ND	ND	ND	ND	ND	0	160
S-9	9/12/2023	2'	ND	ND	ND	ND	ND	0	160
S-10	9/12/2023	2'	ND	ND	ND	ND	ND	0	128
S-11	9/12/2023	2'	ND	ND	ND	ND	ND	0	48
S-12	9/12/2023	2'	ND	ND	ND	ND	ND	0	160
S-13	9/12/2023	2'	ND	ND	ND	ND	ND	0	176
S-14	9/12/2023	2'	ND	ND	ND	ND	ND	0	208
S-15	9/12/2023	2'	ND	ND	ND	ND	ND	0	176
S-16	9/12/2023	2'	ND	ND	ND	ND	ND	0	128
S-17	9/12/2023	2'	ND	ND	ND	ND	ND	0	176
S-18	9/12/2023	2'	ND	ND	ND	ND	ND	0	160
S-19	9/12/2023	2'	ND	ND	ND	ND	ND	0	176
S-20	9/12/2023	2'	ND	ND	ND	ND	ND	0	192
S-21	9/12/2023	2'	ND	ND	ND	ND	ND	0	176
S-22	9/12/2023	2'	ND	ND	ND	ND	ND	0	192
S-23	9/12/2023	2'	ND	ND	ND	ND	ND	0	160
S-24	9/12/2023	2'	ND	ND	ND	ND	ND	0	240
S-25	9/12/2023	2'	ND	ND	ND	ND	ND	0	128
S-26	9/12/2023	2'	ND	ND	ND	ND	ND	0	160
S-27	9/12/2023	2'	ND	ND	ND	ND	ND	0	128
S-28	9/12/2023	2'	ND	ND	ND	ND	ND	0	176
S-29	9/12/2023	2'	ND	ND	ND	ND	ND	0	160
S-30	9/12/2023	2'	ND	ND	ND	ND	ND	0	160
S-31	9/12/2023	3'	ND	ND	ND	ND	ND	0	144
S-32	9/12/2023	3'	ND	ND	ND	ND	ND	0	112
S-33	9/12/2023	3'	ND	ND	ND	ND	ND	0	96
S-34	9/12/2023	3'	ND	ND	ND	ND	ND	0	128
S-35	9/12/2023	3'	ND	ND	ND	ND	ND	0	160
S-36	9/12/2023	3'	ND	ND	ND	ND	ND	0	144
S-37	9/12/2023	3'	ND	ND	ND	ND	ND	0	128
S-38	9/12/2023	3'	ND	ND	ND	ND	ND	0	160
S-39	9/12/2023	4'	ND	ND	ND	ND	ND	0	112

ND = Analyte Not Detected S = Bottom Composite Sample

Table 2: Confirmation Soil Sample Analysis Continued

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	Cl mg/kg
NMOCD Table 1 Closure Criteria 19.15.29 NMAC			50 mg/kg	10 mg/kg	100 mg/kg			100 mg/kg	600 mg/kg
S-40	9/12/2023	4'	ND	ND	ND	ND	ND	0	128
S-41	9/12/2023	4'	ND	ND	ND	ND	ND	0	144
S-42	9/12/2023	4'	ND	ND	ND	ND	ND	0	144
S-43	9/12/2023	4'	ND	ND	ND	ND	ND	0	128
S-44	9/12/2023	4'	ND	ND	ND	ND	ND	0	144
S-45	9/12/2023	4'	ND	ND	ND	ND	ND	0	128
S-46	9/12/2023	4'	ND	ND	ND	ND	ND	0	128
S-47	9/12/2023	4'	ND	ND	ND	ND	ND	0	160
S-48	9/12/2023	4'	ND	ND	ND	ND	ND	0	128
SW-1	9/12/2023	4'	ND	ND	ND	ND	ND	0	112
SW-2	9/12/2023	4'	ND	ND	ND	ND	ND	0	160
SW-3	9/12/2023	4'	ND	ND	ND	ND	ND	0	144
SW-4	9/12/2023	4'	ND	ND	ND	ND	ND	0	160
SW-5	9/12/2023	4'	ND	ND	ND	ND	ND	0	160
SW-6	9/12/2023	2'	ND	ND	ND	ND	ND	0	160
SW-7	9/12/2023	2'	ND	ND	ND	ND	ND	0	160
SW-8	9/12/2023	2'	ND	ND	ND	ND	ND	0	144
SW-9	9/12/2023	2'	ND	ND	ND	ND	ND	0	160
SW-10	9/12/2023	3'	ND	ND	ND	ND	ND	0	176
SW-11	9/12/2023	3'	ND	ND	ND	ND	ND	0	224
SW-12	9/12/2023	3'	ND	ND	ND	ND	ND	0	176
SW-13	9/12/2023	3'	ND	ND	ND	ND	ND	0	208
SW-14	9/12/2023	3'	ND	ND	ND	ND	ND	0	144
SW-15	9/12/2023	3'	ND	ND	ND	ND	ND	0	160
SW-16	9/12/2023	3-4'	ND	ND	ND	ND	ND	0	160

ND = Analyte Not Detected S = Bottom Composite Sample SW = Sidewall Composite Sample

Remedial Actions

- The impacted areas in the vicinity of sample points BH-1 and BH-2 were excavated to a total depth of 4-feet BGS.
- The impacted areas in the vicinity of sample points BH-4 and BH-5 were excavated to a total depth of 2-feet BGS.
- The impacted area in the vicinity of sample point BH-6 was excavated to a total depth of 4-feet BGS.
- The impacted area in the vicinity of sample point BH-7 was excavated to a total depth of 3-feet BGS.
- Composite confirmation samples were obtained from the bottom and sidewalls of the excavated area to verify that all contaminants above closure criteria had been removed.
- All the excavated material (1,300 cu.yds) was hauled to Lazy Ace Landfarm, a NMOCD approved solid waste disposal facility.
- The excavated areas on the well pad were backfilled with new caliche at depth, brought to grade, machine compacted, and contoured to match the surrounding location.
- The excavated area in the pasture were backfilled with new like topsoil at depth, brought to grade, and contoured to match the surrounding area. This area will be seeded with the proper BLM seed mixture when seed mixture is delivered.
- The Final C-141 formally documenting the remedial actions is attached in [Appendix III](#).

Closure

Based on the site assessment, remedial actions, and confirmation sampling results completed for this project, on behalf of Special Energy Corp we request that no further actions be required, and that closure of this incident be granted.

Should you have any questions or if further information is required, please do not hesitate to contact our office at 575-909-0326.

Respectfully submitted,

H&R Enterprises, LLC

Michael Collier

Michael Collier
Environmental Project Manager

Attachments:

Appendix I Site Maps

Appendix II Soil Survey, Groundwater Data, FEMA Flood Zone

Appendix III Initial and Final C-141

Appendix IV Photographic Documentation

Appendix V Laboratory Reports

APPENDIX I

SITE MAPS

KARST MAP

TOPOGRAPHIC MAP

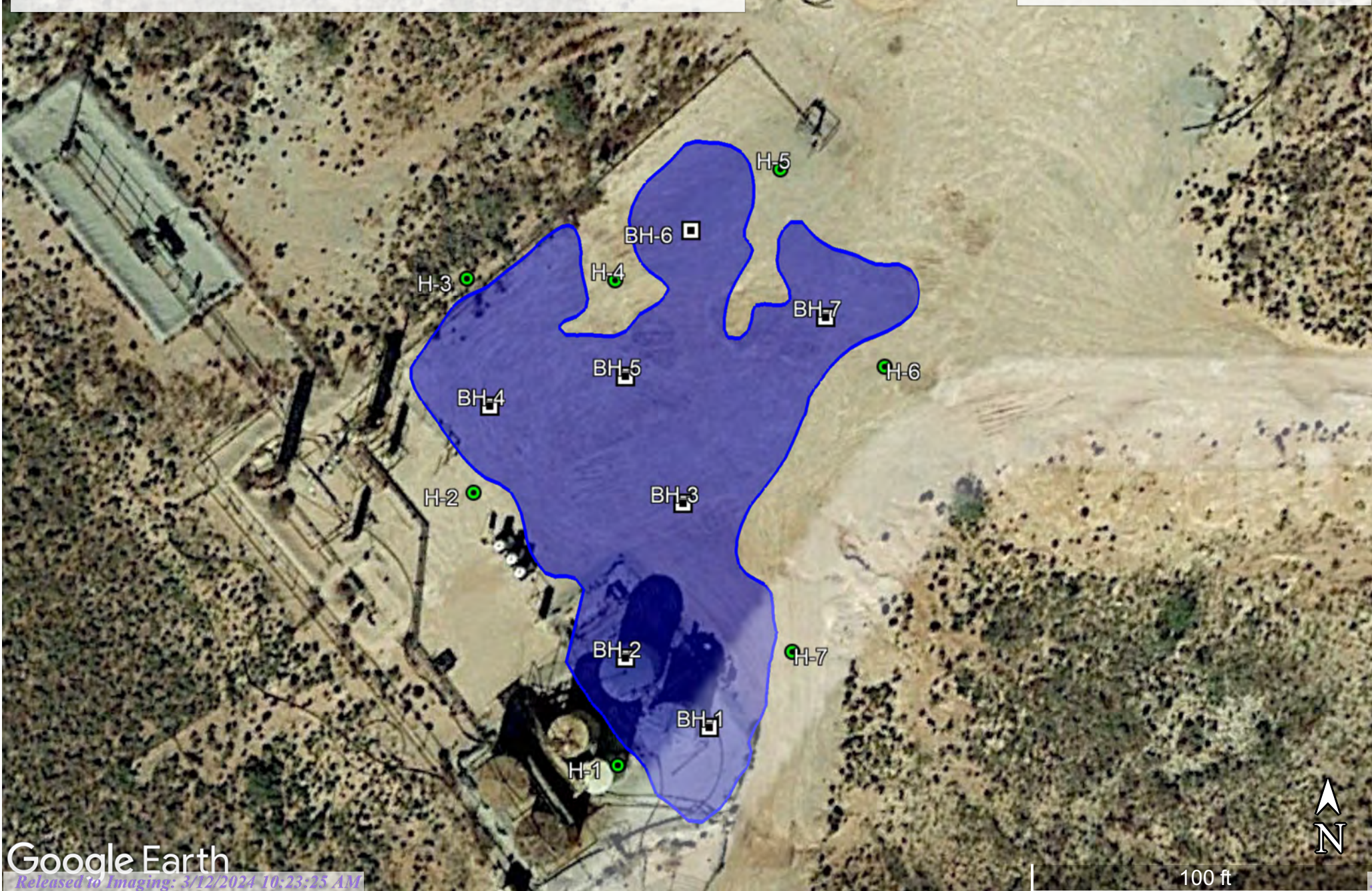
LOCATOR MAP

Federal 5 Battery (Federal #001 P&A Well Pad)

Special Energy Corp.
Incident# nAPP2322937964
Eddy County, NM
Site Assessment Map

Legend





- Horizontal Sample Point
- Initial Release Area
- Vertical Bore Hole Sample Point

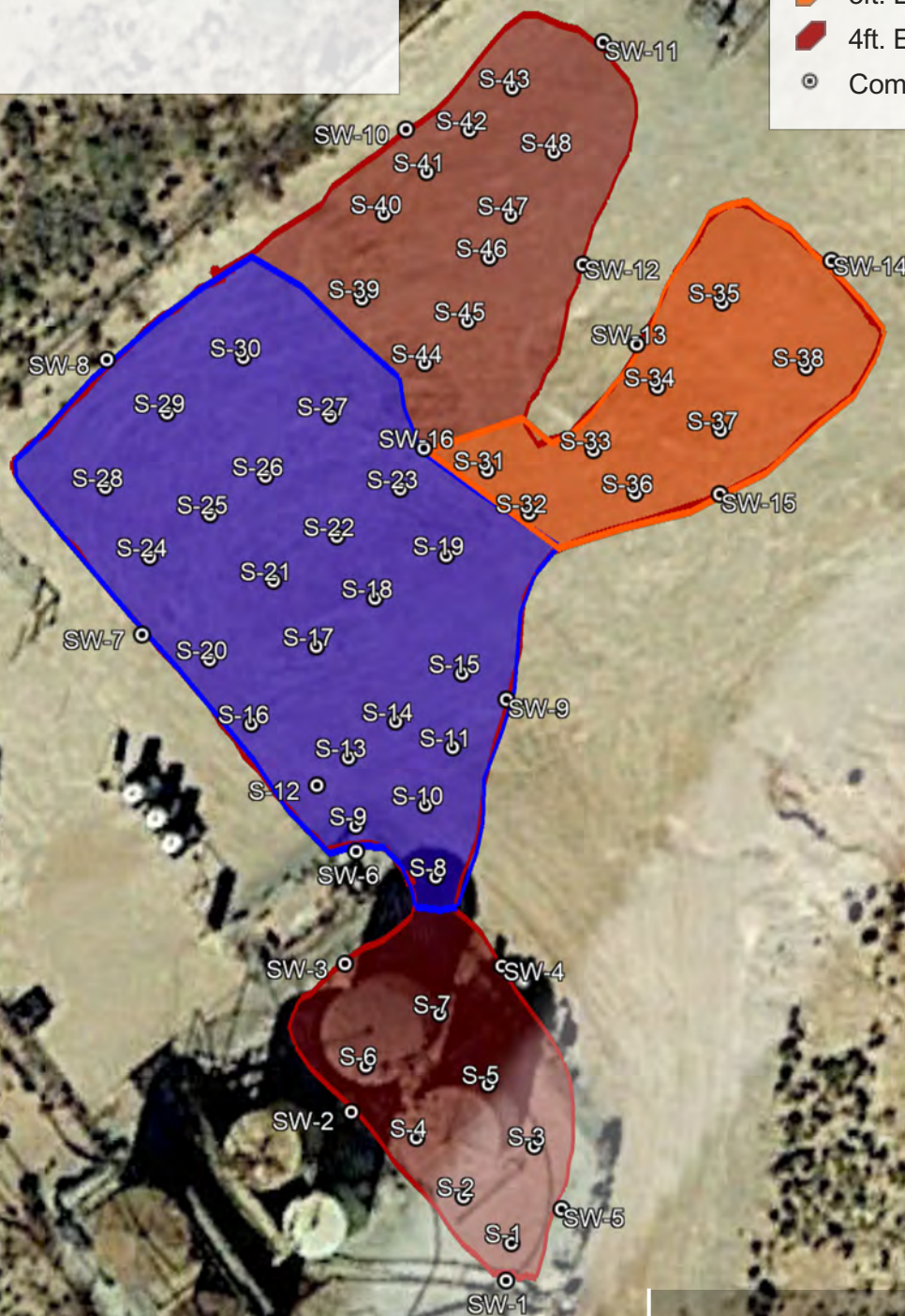


Federal 5 Battery (Federal #001 P&A Well Pad)

Special Energy Corp.
Incident# nAPP2322937964
Eddy County, NM
Confirmation Sample Map

Legend

-  2ft. Excavation
-  3ft. Excavation
-  4ft. Excavation
-  Composite Confirmation Sample



Federal 5 Battery (Federal #001 P&A Well Pad)





Special Energy Corp.

Incident# nAPP2322937964

Eddy County, NM


Locator Map

Legend

-  Federal 5 Battery (Federal #001 P&A Well Pad)
-  High
-  Low
-  Medium

Loco Hills

Maljamar

 Federal 5 Battery (Federal #001 P&A Well Pad)



7 mi

360

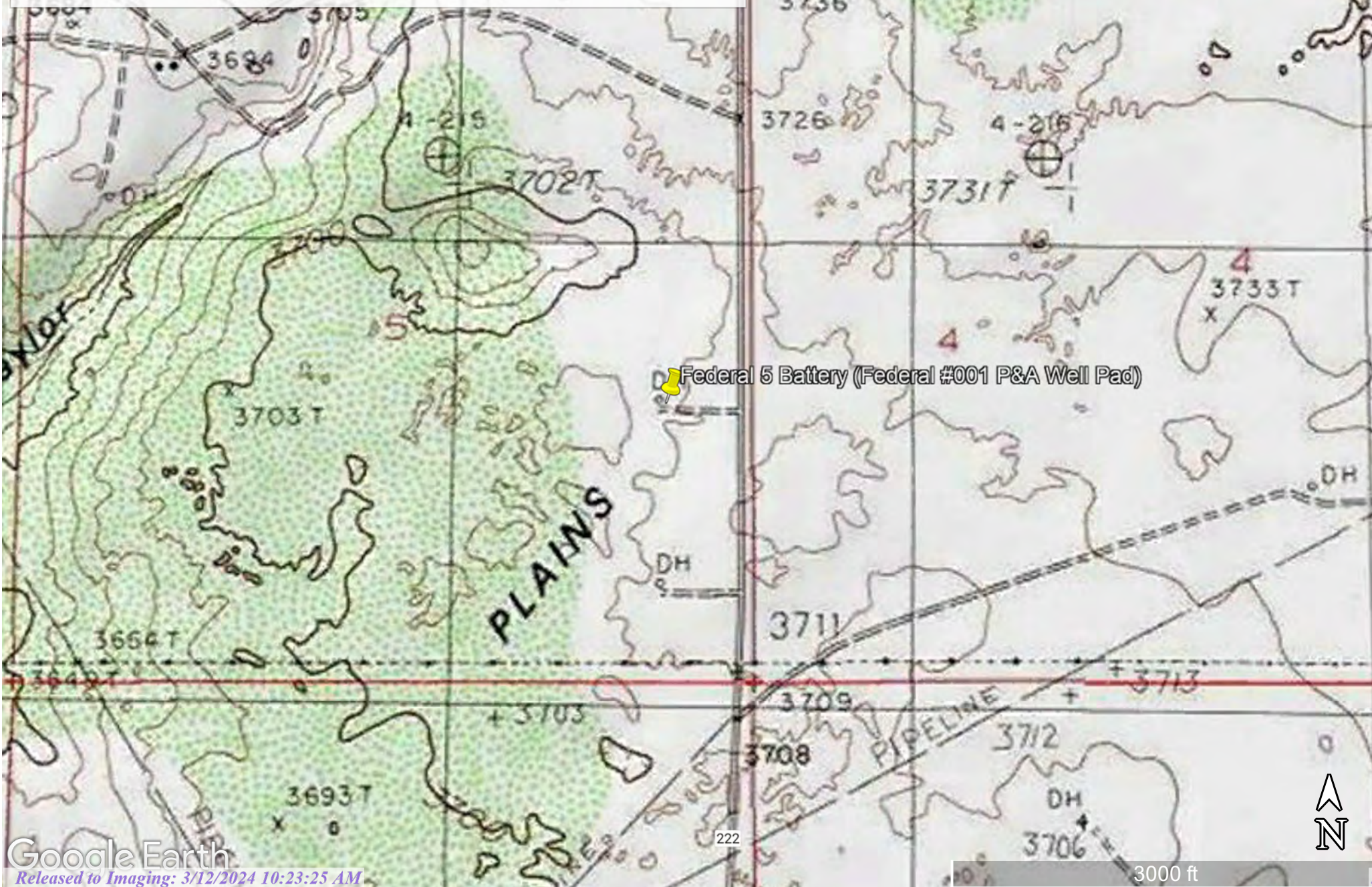
Google Earth

Federal 5 Battery (Federal #001 P&A Well Pad)

Special Energy Corp.
Incident# nAPP2322937964
Eddy County, NM
Topographic Map

Legend


 Federal 5 Battery (Federal #001 P&A Well Pad)

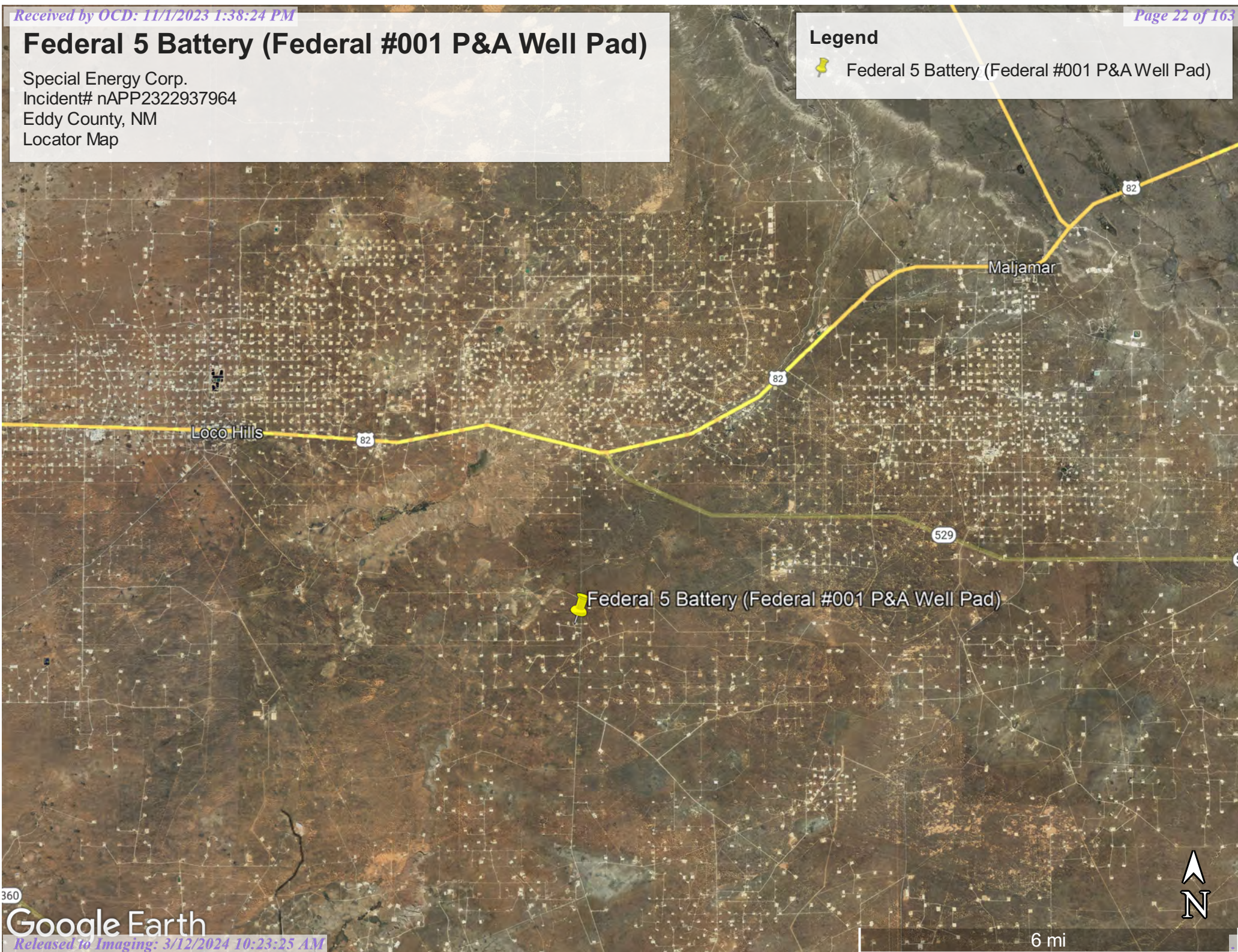


Federal 5 Battery (Federal #001 P&A Well Pad)

Special Energy Corp.
Incident# nAPP2322937964
Eddy County, NM
Locator Map

Legend

 Federal 5 Battery (Federal #001 P&A Well Pad)



360

Google Earth

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APPENDIX II

GROUNDWATER DATA

SOIL SURVEY

FEMA FLOOD ZONE



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	Code	POD Sub-basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	DepthWell	DepthWater	Water Column
RA 11590 POD1		RA	ED	2	1	3	32	17S	31E	603315	3628545	<input type="checkbox"/>	2040	158	
RA 11590 POD3		RA	ED	3	1	2	32	17S	31E	603932	3629260	<input type="checkbox"/>	2484	60	
RA 11590 POD4		RA	ED	4	1	1	32	17S	31E	603308	3629253	<input type="checkbox"/>	2669	55	

Average Depth to Water: --

Minimum Depth: --

Maximum Depth: --

Record Count: 3

Basin/County Search:

County: Eddy

UTMNAD83 Radius Search (in meters):

Easting (X): 604407.53

Northing (Y): 3626821.86

Radius: 3000

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.

9/25/23 9:07 AM

WATER COLUMN/ AVERAGE DEPTH TO WATER

Map Unit Description: Kermit-Berino fine sands, 0 to 3 percent slopes---Eddy Area, New Mexico

Eddy Area, New Mexico

KM—Kermit-Berino fine sands, 0 to 3 percent slopes

Map Unit Setting

National map unit symbol: 1w4q

Elevation: 3,100 to 4,200 feet

Mean annual precipitation: 10 to 14 inches

Mean annual air temperature: 60 to 64 degrees F

Frost-free period: 190 to 230 days

Farmland classification: Not prime farmland

Map Unit Composition

Kermit and similar soils: 50 percent

Berino and similar soils: 35 percent

Minor components: 15 percent

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

Description of Kermit

Setting

Landform: Plains, alluvial fans

Landform position (three-dimensional): Talf, rise

Down-slope shape: Convex, linear

Across-slope shape: Linear

Parent material: Mixed alluvium and/or eolian sands

Typical profile

H1 - 0 to 7 inches: fine sand

H2 - 7 to 60 inches: fine sand

Properties and qualities

Slope: 0 to 3 percent

Depth to restrictive feature: More than 80 inches

Drainage class: Excessively drained

Runoff class: Negligible

Capacity of the most limiting layer to transmit water (Ksat): Very high (20.00 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None

Frequency of ponding: None

Maximum salinity: Nonsaline (0.0 to 1.0 mmhos/cm)

Sodium adsorption ratio, maximum: 1.0

Available water supply, 0 to 60 inches: Low (about 3.1 inches)

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 7e

Hydrologic Soil Group: A

Ecological site: R070BD005NM - Deep Sand

Hydric soil rating: No

Map Unit Description: Kermit-Berino fine sands, 0 to 3 percent slopes---Eddy Area, New Mexico

Description of Berino

Setting

Landform: Plains, fan piedmonts
Landform position (three-dimensional): Riser
Down-slope shape: Convex
Across-slope shape: Linear
Parent material: Mixed alluvium and/or eolian sands

Typical profile

H1 - 0 to 17 inches: fine sand
H2 - 17 to 50 inches: fine sandy loam
H3 - 50 to 58 inches: loamy sand

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
Runoff class: Low
Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high (0.60 to 2.00 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 40 percent
Maximum salinity: Very slightly saline to slightly saline (2.0 to 4.0 mmhos/cm)
Sodium adsorption ratio, maximum: 1.0
Available water supply, 0 to 60 inches: Moderate (about 7.2 inches)

Interpretive groups

Land capability classification (irrigated): 4e
Land capability classification (nonirrigated): 7e
Hydrologic Soil Group: B
Ecological site: R070BD003NM - Loamy Sand
Hydric soil rating: No

Minor Components

Active dune land

Percent of map unit: 15 percent
Hydric soil rating: No

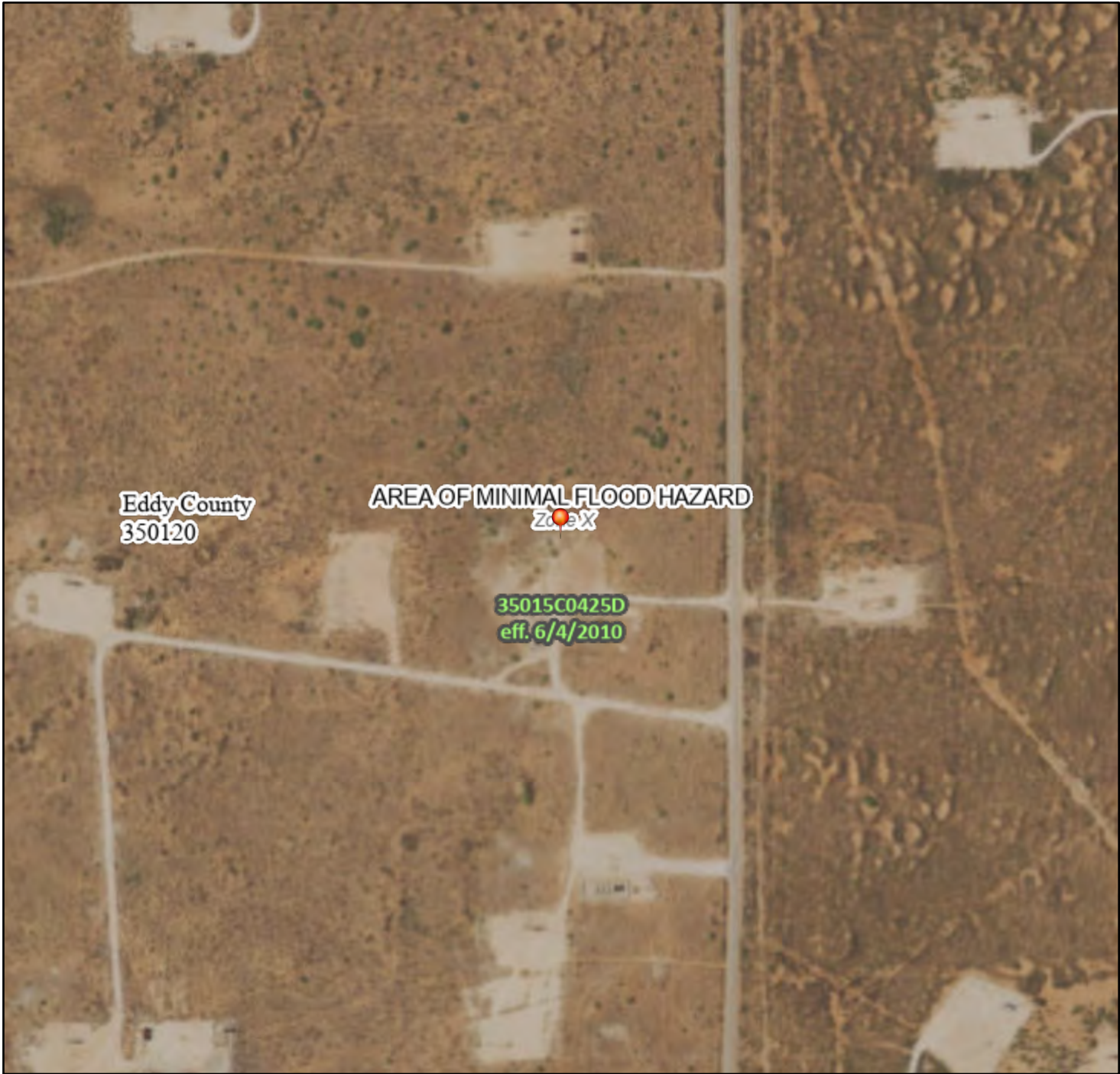
Data Source Information

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

National Flood Hazard Layer FIRMette



103°53'25"W 32°46'45"N



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

1:6,000

103°52'47"W 32°46'15"N

Released to Imaging: 3/12/2024 10:23:25 AM

Basemap Imagery Source: USGS National Map 2023

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, AR
		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 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		20.2 Cross Sections with 1% Annual Chance Water Surface Elevation
		17.5 Cross Sections with 1% Annual Chance Water Surface Elevation
		Coastal Transect
		Base Flood Elevation Line (BFE)
		Limit of Study
		Jurisdiction Boundary
		Coastal Transect Baseline
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 10/31/2023 at 11:56 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.

APPENDIX III

INITIAL C-141

FINAL 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	
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party	Special Energy Corporation	OGRID	138008
Contact Name	Don Terry	Contact Telephone	405-377-1177
Contact email	don.terry@specialenergycorp.com	Incident # (assigned by OCD)	nAPP2322937964
Contact mailing address	P.O. Drawer 369, Stillwater, OK 74076		

Location of Release Source

Latitude 32.7750206 Longitude -103.8849945
(NAD 83 in decimal degrees to 5 decimal places)

Site Name	Federal #001	Site Type	Tank Battery
Date Release Discovered	08/07/2023	API# (if applicable)	30-015-25490 P&A

Unit Letter	Section	Township	Range	County
I	05	18S	31E	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 checked="" type="checkbox"/> Produced Water	Volume Released (bbls) 258	Volume Recovered (bbls) 230
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input checked="" 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

Lightning strike to two fiberglass produced water storage tanks causing fire and completely destroying tanks. Notified by sheriff of fire at 5:30 am Monday, August 7. Once fire was out, contacted remediation contractor and began recovery of water from tank battery. Unsure of exact volume lost as an unknown quantity was evaporated in the tank during the fire.

Incident ID	
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If YES, for what reason(s) does the responsible party consider this a major release? Due to lightning strike and subsequent fire, unauthorized release of a volume of 25 barrells or more.
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? Notice was given on 8/17/23 by Don Terry with Special Energy to Jocelyn Harimon with the OCD in Santa Fe by phone	

Initial Response

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

<input checked="" type="checkbox"/> The source of the release has been stopped. <input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment. <input checked="" type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. <input checked="" type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.	
If all the actions described above have <u>not</u> been undertaken, explain why:	
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
Printed Name: <u>Don Terry</u>	Title: <u>Operations Manager / Engineer</u>
Signature: _____	Date: <u>8/17/2023</u>
email: <u>don.terry@specialenergycorp.com</u>	Telephone: <u>405-377-1177</u>
<u>OCD Only</u>	
Received by: _____	Date: _____

Incident ID	
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

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

What is the shallowest depth to groundwater beneath the area affected by the release?	_____ (ft bgs)
Did this release impact groundwater or surface water?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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 checked="" type="checkbox"/> 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 checked="" type="checkbox"/> 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 checked="" type="checkbox"/> 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 checked="" type="checkbox"/> No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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 checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Did the release impact areas not on an exploration, development, production, or storage site?	<input type="checkbox"/> Yes <input checked="" 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.

State of New Mexico
Oil Conservation Division

Page 4

Incident ID	
District RP	
Facility ID	
Application ID	

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: _____ Title: _____

Signature: _____ Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

Incident ID	
District RP	
Facility ID	
Application ID	

Remediation Plan

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

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

Deferral Requests Only: *Each of the following items must be 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: _____ Title: _____

Signature: _____ Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

☐ Approved ☐ Approved with Attached Conditions of Approval ☐ Denied ☐ Deferral Approved

Signature: _____ Date: _____

Incident ID	
District RP	
Facility ID	
Application ID	

Closure

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

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

- ☒ A scaled site and sampling diagram as described in 19.15.29.11 NMAC
- ☒ Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)
- ☒ Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)
- ☒ Description of remediation activities

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

Printed Name: _____ Title: _____

Signature: _____ Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

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: _____

From: [Velez, Nelson, EMNRD](#)
To: [Michael Collier](#)
Subject: Re: [EXTERNAL] Sample Notification Variance for Incident# nAPP2322937964
Date: Friday, October 27, 2023 8:50:05 AM
Attachments: [image001.png](#)
[Outlook-n2hmr0t0.png](#)

Good morning Michael,

Thank you for the correspondence. I greatly appreciate your candor toward adhering to the Spill Rule (19.15.29 NMAC). OCD accepts your variance request.

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

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

Thanks again for your transparency into this matter.

Regards,

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



From: Michael Collier <mcollier@H-R-Enterprises.com>
Sent: Thursday, October 26, 2023 10:08 AM
To: Velez, Nelson, EMNRD <Nelson.Velez@emnrd.nm.gov>
Subject: [EXTERNAL] Sample Notification Variance for Incident# nAPP2322937964

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

Good morning,

I am reaching out to you on behalf of Special Energy Corp. on incident# nAPP2322937964 at the Federal #001 P&A well pad (Federal 5 Battery). We are the company that handled the sampling, remediation, and closure report for this incident. After remediation was complete, confirmation sampling took place which resulted in all samples collected being under the closure criteria. The excavation was backfilled. It was discovered that the 48-hour confirmation sample notification to you guys did not take place. I apologize for this lack of communication on this incident and would like to request a variance in order to submit the closure to you. I have included the Confirmation Sample Map, Confirmation Lab Data in table form, and the corresponding lab report for your review. I would greatly appreciate any feedback on this incident.

Thank you,



Michael Collier

H&R Enterprises, LLC

575-909-0326

MCollier@H-R-Enterprises.com

APPENDIX IV

PHOTOGRAPHIC DOCUMENTATION

PHOTOGRAPHIC DOCUMENTATION

SITE ASSESSMENT PHOTOGRAPHS



BH-1



BH-2

PHOTOGRAPHIC DOCUMENTATION

SITE ASSESSMENT PHOTOGRAPHS



BH-3



BH-4

PHOTOGRAPHIC DOCUMENTATION

SITE ASSESSMENT PHOTOGRAPHS



BH-5



BH-6

PHOTOGRAPHIC DOCUMENTATION

SITE ASSESSMENT PHOTOGRAPHS



BH-7

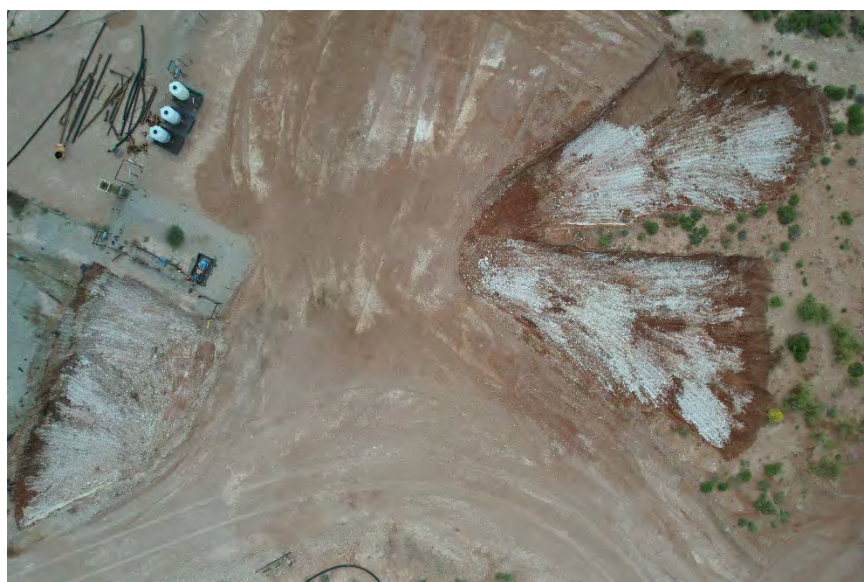
PHOTOGRAPHIC DOCUMENTATION

INITIAL PHOTOGRAPHS



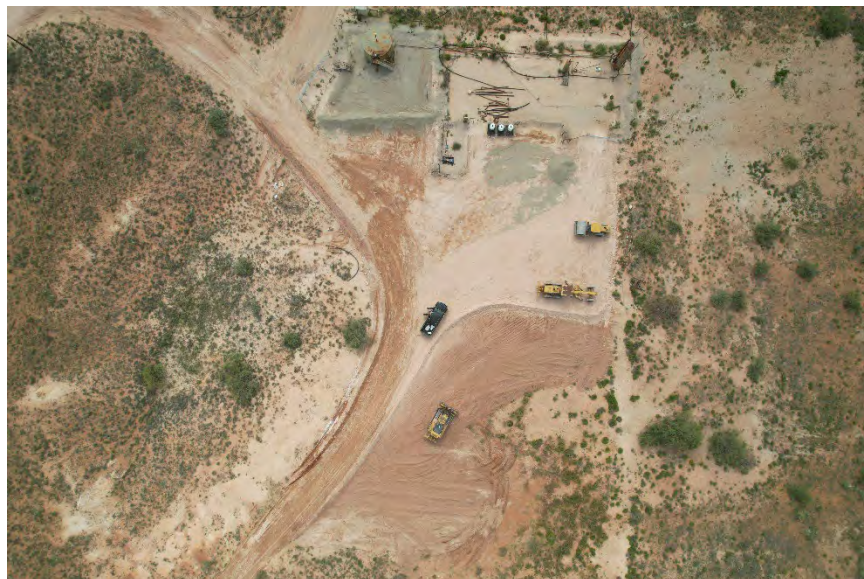
PHOTOGRAPHIC DOCUMENTATION

EXCAVATION PHOTOGRAPHS



PHOTOGRAPHIC DOCUMENTATION

FINAL PHOTOGRAPHS



APPENDIX V

LABORATORY REPORTS



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

August 30, 2023

MICHAEL COLLIER

H & R ENTERPRISES

1010 GAMBLIN ROAD

HOBBS, NM 88240

RE: FEDERAL 5 BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 08/24/23 14:46.

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, flowing style.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

H & R ENTERPRISES
 MICHAEL COLLIER
 1010 GAMBLIN ROAD
 HOBBS NM, 88240
 Fax To: NONE

Received: 08/24/2023
 Reported: 08/30/2023
 Project Name: FEDERAL 5 BATTERY
 Project Number: NOT GIVEN
 Project Location: EDDY COUNTY, NM

Sampling Date: 08/23/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: BH - 1 0-1' (H234613-01)

BTEX 8021B		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/28/2023	ND	2.18	109	2.00	2.88	
Toluene*	<0.050	0.050	08/28/2023	ND	2.20	110	2.00	4.36	GC-NC
Ethylbenzene*	<0.050	0.050	08/28/2023	ND	2.13	106	2.00	3.40	GC-NC
Total Xylenes*	1.05	0.150	08/28/2023	ND	6.44	107	6.00	4.73	GC-NC1
Total BTEX	1.05	0.300	08/28/2023	ND					GC-NC1

Surrogate: 4-Bromofluorobenzene (PID) 148 % 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	2840	16.0	08/28/2023	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*	65.2	10.0	08/28/2023	ND	170	85.2	200	3.31	
DRO >C10-C28*	1430	10.0	08/28/2023	ND	189	94.3	200	8.70	
EXT DRO >C28-C36	283	10.0	08/28/2023	ND					

Surrogate: 1-Chlorooctane 123 % 48.2-134

Surrogate: 1-Chlorooctadecane 115 % 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:

H & R ENTERPRISES
 MICHAEL COLLIER
 1010 GAMBLIN ROAD
 HOBBS NM, 88240
 Fax To: NONE

Received: 08/24/2023
 Reported: 08/30/2023
 Project Name: FEDERAL 5 BATTERY
 Project Number: NOT GIVEN
 Project Location: EDDY COUNTY, NM

Sampling Date: 08/23/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: BH - 1 2' (H234613-02)

BTEx 8021B		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/28/2023	ND	2.18	109	2.00	2.88	
Toluene*	<0.050	0.050	08/28/2023	ND	2.20	110	2.00	4.36	GC-NC
Ethylbenzene*	<0.050	0.050	08/28/2023	ND	2.13	106	2.00	3.40	GC-NC
Total Xylenes*	1.25	0.150	08/28/2023	ND	6.44	107	6.00	4.73	GC-NC1
Total BTEX	1.25	0.300	08/28/2023	ND					GC-NC1

Surrogate: 4-Bromofluorobenzene (PID) 170 % 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	08/28/2023	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*	121	10.0	08/28/2023	ND	170	85.2	200	3.31	
DRO >C10-C28*	3470	10.0	08/28/2023	ND	189	94.3	200	8.70	
EXT DRO >C28-C36	771	10.0	08/28/2023	ND					

Surrogate: 1-Chlorooctane 121 % 48.2-134

Surrogate: 1-Chlorooctadecane 121 % 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:

H & R ENTERPRISES
 MICHAEL COLLIER
 1010 GAMBLIN ROAD
 HOBBS NM, 88240
 Fax To: NONE

Received: 08/24/2023
 Reported: 08/30/2023
 Project Name: FEDERAL 5 BATTERY
 Project Number: NOT GIVEN
 Project Location: EDDY COUNTY, NM

Sampling Date: 08/23/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: BH - 1 3' (H234613-03)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/28/2023	ND	2.18	109	2.00	2.88	
Toluene*	<0.050	0.050	08/28/2023	ND	2.20	110	2.00	4.36	
Ethylbenzene*	<0.050	0.050	08/28/2023	ND	2.13	106	2.00	3.40	GC-NC
Total Xylenes*	<0.150	0.150	08/28/2023	ND	6.44	107	6.00	4.73	
Total BTX	<0.300	0.300	08/28/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 93.6 % 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	32.0	16.0	08/28/2023	ND	416	104	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	08/28/2023	ND	170	85.2	200	3.31	
DRO >C10-C28*	506	10.0	08/28/2023	ND	189	94.3	200	8.70	
EXT DRO >C28-C36	113	10.0	08/28/2023	ND					

Surrogate: 1-Chlorooctane 121 % 48.2-134

Surrogate: 1-Chlorooctadecane 131 % 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:

H & R ENTERPRISES
 MICHAEL COLLIER
 1010 GAMBLIN ROAD
 HOBBS NM, 88240
 Fax To: NONE

Received: 08/24/2023
 Reported: 08/30/2023
 Project Name: FEDERAL 5 BATTERY
 Project Number: NOT GIVEN
 Project Location: EDDY COUNTY, NM

Sampling Date: 08/23/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: BH - 1 4' (H234613-04)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/28/2023	ND	2.18	109	2.00	2.88		
Toluene*	<0.050	0.050	08/28/2023	ND	2.20	110	2.00	4.36		
Ethylbenzene*	<0.050	0.050	08/28/2023	ND	2.13	106	2.00	3.40		
Total Xylenes*	<0.150	0.150	08/28/2023	ND	6.44	107	6.00	4.73		
Total BTEx	<0.300	0.300	08/28/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 90.6 % 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	08/28/2023	ND	416	104	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	08/28/2023	ND	170	85.2	200	3.31	
DRO >C10-C28*	14.5	10.0	08/28/2023	ND	189	94.3	200	8.70	
EXT DRO >C28-C36	<10.0	10.0	08/28/2023	ND					

Surrogate: 1-Chlorooctane 115 % 48.2-134

Surrogate: 1-Chlorooctadecane 139 % 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:

H & R ENTERPRISES
 MICHAEL COLLIER
 1010 GAMBLIN ROAD
 HOBBS NM, 88240
 Fax To: NONE

Received: 08/24/2023
 Reported: 08/30/2023
 Project Name: FEDERAL 5 BATTERY
 Project Number: NOT GIVEN
 Project Location: EDDY COUNTY, NM

Sampling Date: 08/23/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: BH - 1 5' (H234613-05)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/28/2023	ND	2.18	109	2.00	2.88	
Toluene*	<0.050	0.050	08/28/2023	ND	2.20	110	2.00	4.36	
Ethylbenzene*	<0.050	0.050	08/28/2023	ND	2.13	106	2.00	3.40	
Total Xylenes*	<0.150	0.150	08/28/2023	ND	6.44	107	6.00	4.73	
Total BTEx	<0.300	0.300	08/28/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 90.1 % 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	32.0	16.0	08/28/2023	ND	416	104	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	08/28/2023	ND	170	85.2	200	3.31	
DRO >C10-C28*	13.4	10.0	08/28/2023	ND	189	94.3	200	8.70	
EXT DRO >C28-C36	<10.0	10.0	08/28/2023	ND					

Surrogate: 1-Chlorooctane 119 % 48.2-134

Surrogate: 1-Chlorooctadecane 143 % 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:

H & R ENTERPRISES
 MICHAEL COLLIER
 1010 GAMBLIN ROAD
 HOBBS NM, 88240
 Fax To: NONE

Received: 08/24/2023
 Reported: 08/30/2023
 Project Name: FEDERAL 5 BATTERY
 Project Number: NOT GIVEN
 Project Location: EDDY COUNTY, NM

Sampling Date: 08/23/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: BH - 2 0-1' (H234613-06)

BTEx 8021B		mg/kg	Analyzed By: MS					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/28/2023	ND	2.18	109	2.00	2.88	
Toluene*	<0.050	0.050	08/28/2023	ND	2.20	110	2.00	4.36	GC-NC
Ethylbenzene*	<0.050	0.050	08/28/2023	ND	2.13	106	2.00	3.40	
Total Xylenes*	2.73	0.150	08/28/2023	ND	6.44	107	6.00	4.73	GC-NC1
Total BTEX	2.73	0.300	08/28/2023	ND					GC-NC1

Surrogate: 4-Bromofluorobenzene (PID) 202 % 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	208	16.0	08/28/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg	Analyzed By: MS					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	201	10.0	08/28/2023	ND	170	85.2	200	3.31	
DRO >C10-C28*	4750	10.0	08/28/2023	ND	189	94.3	200	8.70	
EXT DRO >C28-C36	1080	10.0	08/28/2023	ND					

Surrogate: 1-Chlorooctane 153 % 48.2-134

Surrogate: 1-Chlorooctadecane 145 % 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:

H & R ENTERPRISES
 MICHAEL COLLIER
 1010 GAMBLIN ROAD
 HOBBS NM, 88240
 Fax To: NONE

Received: 08/24/2023
 Reported: 08/30/2023
 Project Name: FEDERAL 5 BATTERY
 Project Number: NOT GIVEN
 Project Location: EDDY COUNTY, NM

Sampling Date: 08/23/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: BH - 2 2' (H234613-07)

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/28/2023	ND	2.00	99.9	2.00	3.54		
Toluene*	<0.050	0.050	08/28/2023	ND	2.00	100	2.00	2.87		
Ethylbenzene*	<0.050	0.050	08/28/2023	ND	2.07	103	2.00	3.79		
Total Xylenes*	<0.150	0.150	08/28/2023	ND	6.31	105	6.00	4.50		
Total BTX	<0.300	0.300	08/28/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 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	32.0	16.0	08/28/2023	ND	416	104	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	08/28/2023	ND	170	85.2	200	3.31	
DRO >C10-C28*	270	10.0	08/28/2023	ND	189	94.3	200	8.70	
EXT DRO >C28-C36	88.3	10.0	08/28/2023	ND					

Surrogate: 1-Chlorooctane 106 % 48.2-134

Surrogate: 1-Chlorooctadecane 122 % 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:

H & R ENTERPRISES
 MICHAEL COLLIER
 1010 GAMBLIN ROAD
 HOBBS NM, 88240
 Fax To: NONE

Received: 08/24/2023
 Reported: 08/30/2023
 Project Name: FEDERAL 5 BATTERY
 Project Number: NOT GIVEN
 Project Location: EDDY COUNTY, NM

Sampling Date: 08/23/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: BH - 2 3' (H234613-08)

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/28/2023	ND	2.00	99.9	2.00	3.54		
Toluene*	<0.050	0.050	08/28/2023	ND	2.00	100	2.00	2.87		
Ethylbenzene*	<0.050	0.050	08/28/2023	ND	2.07	103	2.00	3.79		
Total Xylenes*	<0.150	0.150	08/28/2023	ND	6.31	105	6.00	4.50		
Total BTX	<0.300	0.300	08/28/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 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	08/28/2023	ND	416	104	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	08/28/2023	ND	170	85.2	200	3.31	
DRO >C10-C28*	<10.0	10.0	08/28/2023	ND	189	94.3	200	8.70	
EXT DRO >C28-C36	<10.0	10.0	08/28/2023	ND					

Surrogate: 1-Chlorooctane 108 % 48.2-134

Surrogate: 1-Chlorooctadecane 125 % 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:

H & R ENTERPRISES
 MICHAEL COLLIER
 1010 GAMBLIN ROAD
 HOBBS NM, 88240
 Fax To: NONE

Received: 08/24/2023
 Reported: 08/30/2023
 Project Name: FEDERAL 5 BATTERY
 Project Number: NOT GIVEN
 Project Location: EDDY COUNTY, NM

Sampling Date: 08/23/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: BH - 2 4' (H234613-09)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/28/2023	ND	2.00	99.9	2.00	3.54	
Toluene*	<0.050	0.050	08/28/2023	ND	2.00	100	2.00	2.87	
Ethylbenzene*	<0.050	0.050	08/28/2023	ND	2.07	103	2.00	3.79	
Total Xylenes*	<0.150	0.150	08/28/2023	ND	6.31	105	6.00	4.50	
Total BTX	<0.300	0.300	08/28/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 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	08/28/2023	ND	416	104	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	08/28/2023	ND	170	85.2	200	3.31	
DRO >C10-C28*	<10.0	10.0	08/28/2023	ND	189	94.3	200	8.70	
EXT DRO >C28-C36	<10.0	10.0	08/28/2023	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 121 % 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:

H & R ENTERPRISES
 MICHAEL COLLIER
 1010 GAMBLIN ROAD
 HOBBS NM, 88240
 Fax To: NONE

Received: 08/24/2023
 Reported: 08/30/2023
 Project Name: FEDERAL 5 BATTERY
 Project Number: NOT GIVEN
 Project Location: EDDY COUNTY, NM

Sampling Date: 08/23/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: BH - 3 0-1' (H234613-10)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/28/2023	ND	2.00	99.9	2.00	3.54	
Toluene*	<0.050	0.050	08/28/2023	ND	2.00	100	2.00	2.87	
Ethylbenzene*	<0.050	0.050	08/28/2023	ND	2.07	103	2.00	3.79	
Total Xylenes*	<0.150	0.150	08/28/2023	ND	6.31	105	6.00	4.50	
Total BTX	<0.300	0.300	08/28/2023	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	08/28/2023	ND	416	104	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	08/28/2023	ND	170	85.2	200	3.31	
DRO >C10-C28*	<10.0	10.0	08/28/2023	ND	189	94.3	200	8.70	
EXT DRO >C28-C36	<10.0	10.0	08/28/2023	ND					

Surrogate: 1-Chlorooctane 116 % 48.2-134

Surrogate: 1-Chlorooctadecane 133 % 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:

H & R ENTERPRISES
 MICHAEL COLLIER
 1010 GAMBLIN ROAD
 HOBBS NM, 88240
 Fax To: NONE

Received: 08/24/2023
 Reported: 08/30/2023
 Project Name: FEDERAL 5 BATTERY
 Project Number: NOT GIVEN
 Project Location: EDDY COUNTY, NM

Sampling Date: 08/23/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: BH - 3 2' (H234613-11)

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/28/2023	ND	2.00	99.9	2.00	3.54		
Toluene*	<0.050	0.050	08/28/2023	ND	2.00	100	2.00	2.87		
Ethylbenzene*	<0.050	0.050	08/28/2023	ND	2.07	103	2.00	3.79		
Total Xylenes*	<0.150	0.150	08/28/2023	ND	6.31	105	6.00	4.50		
Total BTX	<0.300	0.300	08/28/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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	432	16.0	08/28/2023	ND	416	104	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	08/28/2023	ND	170	85.2	200	3.31	
DRO >C10-C28*	<10.0	10.0	08/28/2023	ND	189	94.3	200	8.70	
EXT DRO >C28-C36	<10.0	10.0	08/28/2023	ND					

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 121 % 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:

H & R ENTERPRISES
 MICHAEL COLLIER
 1010 GAMBLIN ROAD
 HOBBS NM, 88240
 Fax To: NONE

Received: 08/24/2023
 Reported: 08/30/2023
 Project Name: FEDERAL 5 BATTERY
 Project Number: NOT GIVEN
 Project Location: EDDY COUNTY, NM

Sampling Date: 08/23/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: BH - 3 3' (H234613-12)

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/28/2023	ND	2.00	99.9	2.00	3.54		
Toluene*	<0.050	0.050	08/28/2023	ND	2.00	100	2.00	2.87		
Ethylbenzene*	<0.050	0.050	08/28/2023	ND	2.07	103	2.00	3.79		
Total Xylenes*	<0.150	0.150	08/28/2023	ND	6.31	105	6.00	4.50		
Total BTX	<0.300	0.300	08/28/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 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	112	16.0	08/28/2023	ND	416	104	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	08/28/2023	ND	170	85.2	200	3.31	
DRO >C10-C28*	<10.0	10.0	08/28/2023	ND	189	94.3	200	8.70	
EXT DRO >C28-C36	<10.0	10.0	08/28/2023	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 120 % 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:

H & R ENTERPRISES
 MICHAEL COLLIER
 1010 GAMBLIN ROAD
 HOBBS NM, 88240
 Fax To: NONE

Received: 08/24/2023
 Reported: 08/30/2023
 Project Name: FEDERAL 5 BATTERY
 Project Number: NOT GIVEN
 Project Location: EDDY COUNTY, NM

Sampling Date: 08/23/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: BH - 3 4' (H234613-13)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/28/2023	ND	2.00	99.9	2.00	3.54	
Toluene*	<0.050	0.050	08/28/2023	ND	2.00	100	2.00	2.87	
Ethylbenzene*	<0.050	0.050	08/28/2023	ND	2.07	103	2.00	3.79	
Total Xylenes*	<0.150	0.150	08/28/2023	ND	6.31	105	6.00	4.50	
Total BTX	<0.300	0.300	08/28/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 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	96.0	16.0	08/28/2023	ND	416	104	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	08/28/2023	ND	163	81.5	200	4.12	
DRO >C10-C28*	<10.0	10.0	08/28/2023	ND	168	84.1	200	4.86	
EXT DRO >C28-C36	<10.0	10.0	08/28/2023	ND					

Surrogate: 1-Chlorooctane 112 % 48.2-134

Surrogate: 1-Chlorooctadecane 132 % 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:

H & R ENTERPRISES
 MICHAEL COLLIER
 1010 GAMBLIN ROAD
 HOBBS NM, 88240
 Fax To: NONE

Received: 08/24/2023
 Reported: 08/30/2023
 Project Name: FEDERAL 5 BATTERY
 Project Number: NOT GIVEN
 Project Location: EDDY COUNTY, NM

Sampling Date: 08/23/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: BH - 4 0-1' (H234613-14)

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/28/2023	ND	2.00	99.9	2.00	3.54		
Toluene*	<0.050	0.050	08/28/2023	ND	2.00	100	2.00	2.87		
Ethylbenzene*	<0.050	0.050	08/28/2023	ND	2.07	103	2.00	3.79		
Total Xylenes*	<0.150	0.150	08/28/2023	ND	6.31	105	6.00	4.50		
Total BTX	<0.300	0.300	08/28/2023	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	7120	16.0	08/28/2023	ND	416	104	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	08/28/2023	ND	163	81.5	200	4.12	
DRO >C10-C28*	<10.0	10.0	08/28/2023	ND	168	84.1	200	4.86	
EXT DRO >C28-C36	<10.0	10.0	08/28/2023	ND					

Surrogate: 1-Chlorooctane 120 % 48.2-134

Surrogate: 1-Chlorooctadecane 143 % 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:

H & R ENTERPRISES
 MICHAEL COLLIER
 1010 GAMBLIN ROAD
 HOBBS NM, 88240
 Fax To: NONE

Received: 08/24/2023
 Reported: 08/30/2023
 Project Name: FEDERAL 5 BATTERY
 Project Number: NOT GIVEN
 Project Location: EDDY COUNTY, NM

Sampling Date: 08/23/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: BH - 4 2' (H234613-15)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/28/2023	ND	2.00	99.9	2.00	3.54	
Toluene*	<0.050	0.050	08/28/2023	ND	2.00	100	2.00	2.87	
Ethylbenzene*	<0.050	0.050	08/28/2023	ND	2.07	103	2.00	3.79	
Total Xylenes*	<0.150	0.150	08/28/2023	ND	6.31	105	6.00	4.50	
Total BTX	<0.300	0.300	08/28/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 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	208	16.0	08/28/2023	ND	416	104	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	08/28/2023	ND	163	81.5	200	4.12	
DRO >C10-C28*	<10.0	10.0	08/28/2023	ND	168	84.1	200	4.86	
EXT DRO >C28-C36	<10.0	10.0	08/28/2023	ND					

Surrogate: 1-Chlorooctane 127 % 48.2-134

Surrogate: 1-Chlorooctadecane 125 % 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:

H & R ENTERPRISES
 MICHAEL COLLIER
 1010 GAMBLIN ROAD
 HOBBS NM, 88240
 Fax To: NONE

Received: 08/24/2023
 Reported: 08/30/2023
 Project Name: FEDERAL 5 BATTERY
 Project Number: NOT GIVEN
 Project Location: EDDY COUNTY, NM

Sampling Date: 08/23/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: BH - 4 3' (H234613-16)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/28/2023	ND	2.00	99.9	2.00	3.54	
Toluene*	<0.050	0.050	08/28/2023	ND	2.00	100	2.00	2.87	
Ethylbenzene*	<0.050	0.050	08/28/2023	ND	2.07	103	2.00	3.79	
Total Xylenes*	<0.150	0.150	08/28/2023	ND	6.31	105	6.00	4.50	
Total BTX	<0.300	0.300	08/28/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 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	08/28/2023	ND	416	104	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	08/29/2023	ND	163	81.5	200	4.12	
DRO >C10-C28*	<10.0	10.0	08/29/2023	ND	168	84.1	200	4.86	
EXT DRO >C28-C36	<10.0	10.0	08/29/2023	ND					

Surrogate: 1-Chlorooctane 108 % 48.2-134

Surrogate: 1-Chlorooctadecane 124 % 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:

H & R ENTERPRISES
 MICHAEL COLLIER
 1010 GAMBLIN ROAD
 HOBBS NM, 88240
 Fax To: NONE

Received: 08/24/2023
 Reported: 08/30/2023
 Project Name: FEDERAL 5 BATTERY
 Project Number: NOT GIVEN
 Project Location: EDDY COUNTY, NM

Sampling Date: 08/23/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: BH - 4 4' (H234613-17)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/28/2023	ND	2.00	99.9	2.00	3.54	
Toluene*	<0.050	0.050	08/28/2023	ND	2.00	100	2.00	2.87	
Ethylbenzene*	<0.050	0.050	08/28/2023	ND	2.07	103	2.00	3.79	
Total Xylenes*	<0.150	0.150	08/28/2023	ND	6.31	105	6.00	4.50	
Total BTEX	<0.300	0.300	08/28/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 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	08/28/2023	ND	416	104	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	08/29/2023	ND	163	81.5	200	4.12	
DRO >C10-C28*	<10.0	10.0	08/29/2023	ND	168	84.1	200	4.86	
EXT DRO >C28-C36	<10.0	10.0	08/29/2023	ND					

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 120 % 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:

H & R ENTERPRISES
 MICHAEL COLLIER
 1010 GAMBLIN ROAD
 HOBBS NM, 88240
 Fax To: NONE

Received: 08/24/2023
 Reported: 08/30/2023
 Project Name: FEDERAL 5 BATTERY
 Project Number: NOT GIVEN
 Project Location: EDDY COUNTY, NM

Sampling Date: 08/23/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: BH - 5 0-1' (H234613-18)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/28/2023	ND	2.00	99.9	2.00	3.54	
Toluene*	<0.050	0.050	08/28/2023	ND	2.00	100	2.00	2.87	
Ethylbenzene*	<0.050	0.050	08/28/2023	ND	2.07	103	2.00	3.79	
Total Xylenes*	<0.150	0.150	08/28/2023	ND	6.31	105	6.00	4.50	
Total BTX	<0.300	0.300	08/28/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.6 % 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	6640	16.0	08/28/2023	ND	416	104	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	08/28/2023	ND	163	81.5	200	4.12	
DRO >C10-C28*	<10.0	10.0	08/28/2023	ND	168	84.1	200	4.86	
EXT DRO >C28-C36	<10.0	10.0	08/28/2023	ND					

Surrogate: 1-Chlorooctane 120 % 48.2-134

Surrogate: 1-Chlorooctadecane 144 % 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:

H & R ENTERPRISES
 MICHAEL COLLIER
 1010 GAMBLIN ROAD
 HOBBS NM, 88240
 Fax To: NONE

Received: 08/24/2023
 Reported: 08/30/2023
 Project Name: FEDERAL 5 BATTERY
 Project Number: NOT GIVEN
 Project Location: EDDY COUNTY, NM

Sampling Date: 08/23/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: BH - 5 2' (H234613-19)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/28/2023	ND	2.00	99.9	2.00	3.54		
Toluene*	<0.050	0.050	08/28/2023	ND	2.00	100	2.00	2.87		
Ethylbenzene*	<0.050	0.050	08/28/2023	ND	2.07	103	2.00	3.79		
Total Xylenes*	<0.150	0.150	08/28/2023	ND	6.31	105	6.00	4.50		
Total BTEX	<0.300	0.300	08/28/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.0 % 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	08/28/2023	ND	416	104	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	08/29/2023	ND	163	81.5	200	4.12	
DRO >C10-C28*	<10.0	10.0	08/29/2023	ND	168	84.1	200	4.86	
EXT DRO >C28-C36	<10.0	10.0	08/29/2023	ND					

Surrogate: 1-Chlorooctane 99.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 114 % 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:

H & R ENTERPRISES
 MICHAEL COLLIER
 1010 GAMBLIN ROAD
 HOBBS NM, 88240
 Fax To: NONE

Received: 08/24/2023
 Reported: 08/30/2023
 Project Name: FEDERAL 5 BATTERY
 Project Number: NOT GIVEN
 Project Location: EDDY COUNTY, NM

Sampling Date: 08/23/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: BH - 5 3' (H234613-20)

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/28/2023	ND	2.00	99.9	2.00	3.54		
Toluene*	<0.050	0.050	08/28/2023	ND	2.00	100	2.00	2.87		
Ethylbenzene*	<0.050	0.050	08/28/2023	ND	2.07	103	2.00	3.79		
Total Xylenes*	<0.150	0.150	08/28/2023	ND	6.31	105	6.00	4.50		
Total BTX	<0.300	0.300	08/28/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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	304	16.0	08/28/2023	ND	416	104	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	08/29/2023	ND	163	81.5	200	4.12	
DRO >C10-C28*	<10.0	10.0	08/29/2023	ND	168	84.1	200	4.86	
EXT DRO >C28-C36	<10.0	10.0	08/29/2023	ND					

Surrogate: 1-Chlorooctane 112 % 48.2-134

Surrogate: 1-Chlorooctadecane 130 % 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:

H & R ENTERPRISES
 MICHAEL COLLIER
 1010 GAMBLIN ROAD
 HOBBS NM, 88240
 Fax To: NONE

Received: 08/24/2023
 Reported: 08/30/2023
 Project Name: FEDERAL 5 BATTERY
 Project Number: NOT GIVEN
 Project Location: EDDY COUNTY, NM

Sampling Date: 08/23/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: BH - 5 4' (H234613-21)

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/28/2023	ND	2.00	99.9	2.00	3.54		
Toluene*	<0.050	0.050	08/28/2023	ND	2.00	100	2.00	2.87		
Ethylbenzene*	<0.050	0.050	08/28/2023	ND	2.07	103	2.00	3.79		
Total Xylenes*	<0.150	0.150	08/28/2023	ND	6.31	105	6.00	4.50		
Total BTX	<0.300	0.300	08/28/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.9 % 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	288	16.0	08/28/2023	ND	416	104	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	08/28/2023	ND	163	81.5	200	4.12	
DRO >C10-C28*	<10.0	10.0	08/28/2023	ND	168	84.1	200	4.86	
EXT DRO >C28-C36	<10.0	10.0	08/28/2023	ND					

Surrogate: 1-Chlorooctane 118 % 48.2-134

Surrogate: 1-Chlorooctadecane 142 % 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:

H & R ENTERPRISES
 MICHAEL COLLIER
 1010 GAMBLIN ROAD
 HOBBS NM, 88240
 Fax To: NONE

Received: 08/24/2023
 Reported: 08/30/2023
 Project Name: FEDERAL 5 BATTERY
 Project Number: NOT GIVEN
 Project Location: EDDY COUNTY, NM

Sampling Date: 08/23/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: BH - 6 0-1' (H234613-22)

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/28/2023	ND	2.00	99.9	2.00	3.54		
Toluene*	<0.050	0.050	08/28/2023	ND	2.00	100	2.00	2.87		
Ethylbenzene*	<0.050	0.050	08/28/2023	ND	2.07	103	2.00	3.79		
Total Xylenes*	<0.150	0.150	08/28/2023	ND	6.31	105	6.00	4.50		
Total BTX	<0.300	0.300	08/28/2023	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	5200	16.0	08/28/2023	ND	416	104	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	08/28/2023	ND	163	81.5	200	4.12	
DRO >C10-C28*	<10.0	10.0	08/28/2023	ND	168	84.1	200	4.86	
EXT DRO >C28-C36	<10.0	10.0	08/28/2023	ND					

Surrogate: 1-Chlorooctane 113 % 48.2-134

Surrogate: 1-Chlorooctadecane 135 % 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:

H & R ENTERPRISES
 MICHAEL COLLIER
 1010 GAMBLIN ROAD
 HOBBS NM, 88240
 Fax To: NONE

Received: 08/24/2023
 Reported: 08/30/2023
 Project Name: FEDERAL 5 BATTERY
 Project Number: NOT GIVEN
 Project Location: EDDY COUNTY, NM

Sampling Date: 08/23/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: BH - 6 2' (H234613-23)

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/28/2023	ND	2.00	99.9	2.00	3.54		
Toluene*	<0.050	0.050	08/28/2023	ND	2.00	100	2.00	2.87		
Ethylbenzene*	<0.050	0.050	08/28/2023	ND	2.07	103	2.00	3.79		
Total Xylenes*	<0.150	0.150	08/28/2023	ND	6.31	105	6.00	4.50		
Total BTX	<0.300	0.300	08/28/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.9 % 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	4960	16.0	08/28/2023	ND	432	108	400	0.00	QM-07	

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	08/29/2023	ND	163	81.5	200	4.12	
DRO >C10-C28*	<10.0	10.0	08/29/2023	ND	168	84.1	200	4.86	
EXT DRO >C28-C36	<10.0	10.0	08/29/2023	ND					

Surrogate: 1-Chlorooctane 108 % 48.2-134

Surrogate: 1-Chlorooctadecane 126 % 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:

H & R ENTERPRISES
 MICHAEL COLLIER
 1010 GAMBLIN ROAD
 HOBBS NM, 88240
 Fax To: NONE

Received: 08/24/2023
 Reported: 08/30/2023
 Project Name: FEDERAL 5 BATTERY
 Project Number: NOT GIVEN
 Project Location: EDDY COUNTY, NM

Sampling Date: 08/23/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: BH - 6 3' (H234613-24)

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/28/2023	ND	2.00	99.9	2.00	3.54		
Toluene*	<0.050	0.050	08/28/2023	ND	2.00	100	2.00	2.87		
Ethylbenzene*	<0.050	0.050	08/28/2023	ND	2.07	103	2.00	3.79		
Total Xylenes*	<0.150	0.150	08/28/2023	ND	6.31	105	6.00	4.50		
Total BTX	<0.300	0.300	08/28/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 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	7730	16.0	08/28/2023	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	08/29/2023	ND	163	81.5	200	4.12	
DRO >C10-C28*	<10.0	10.0	08/29/2023	ND	168	84.1	200	4.86	
EXT DRO >C28-C36	<10.0	10.0	08/29/2023	ND					

Surrogate: 1-Chlorooctane 106 % 48.2-134

Surrogate: 1-Chlorooctadecane 125 % 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:

H & R ENTERPRISES
 MICHAEL COLLIER
 1010 GAMBLIN ROAD
 HOBBS NM, 88240
 Fax To: NONE

Received: 08/24/2023
 Reported: 08/30/2023
 Project Name: FEDERAL 5 BATTERY
 Project Number: NOT GIVEN
 Project Location: EDDY COUNTY, NM

Sampling Date: 08/23/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: BH - 6 4' (H234613-25)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/28/2023	ND	2.00	99.9	2.00	3.54	
Toluene*	<0.050	0.050	08/28/2023	ND	2.00	100	2.00	2.87	
Ethylbenzene*	<0.050	0.050	08/28/2023	ND	2.07	103	2.00	3.79	
Total Xylenes*	<0.150	0.150	08/28/2023	ND	6.31	105	6.00	4.50	
Total BTX	<0.300	0.300	08/28/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.4 % 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	4400	16.0	08/28/2023	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	08/29/2023	ND	163	81.5	200	4.12	
DRO >C10-C28*	<10.0	10.0	08/29/2023	ND	168	84.1	200	4.86	
EXT DRO >C28-C36	<10.0	10.0	08/29/2023	ND					

Surrogate: 1-Chlorooctane 113 % 48.2-134

Surrogate: 1-Chlorooctadecane 132 % 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:

H & R ENTERPRISES
 MICHAEL COLLIER
 1010 GAMBLIN ROAD
 HOBBS NM, 88240
 Fax To: NONE

Received: 08/24/2023
 Reported: 08/30/2023
 Project Name: FEDERAL 5 BATTERY
 Project Number: NOT GIVEN
 Project Location: EDDY COUNTY, NM

Sampling Date: 08/23/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: BH - 6 6' (H234613-26)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/28/2023	ND	2.00	99.9	2.00	3.54	
Toluene*	<0.050	0.050	08/28/2023	ND	2.00	100	2.00	2.87	
Ethylbenzene*	<0.050	0.050	08/28/2023	ND	2.07	103	2.00	3.79	
Total Xylenes*	<0.150	0.150	08/28/2023	ND	6.31	105	6.00	4.50	
Total BTX	<0.300	0.300	08/28/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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	160	16.0	08/28/2023	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	08/28/2023	ND	163	81.5	200	4.12	
DRO >C10-C28*	<10.0	10.0	08/28/2023	ND	168	84.1	200	4.86	
EXT DRO >C28-C36	<10.0	10.0	08/28/2023	ND					

Surrogate: 1-Chlorooctane 118 % 48.2-134

Surrogate: 1-Chlorooctadecane 140 % 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:

H & R ENTERPRISES
 MICHAEL COLLIER
 1010 GAMBLIN ROAD
 HOBBS NM, 88240
 Fax To: NONE

Received: 08/24/2023
 Reported: 08/30/2023
 Project Name: FEDERAL 5 BATTERY
 Project Number: NOT GIVEN
 Project Location: EDDY COUNTY, NM

Sampling Date: 08/23/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: BH - 7 0-1' (H234613-27)

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	08/28/2023	ND	1.98	99.2	2.00	0.477	QR-03	
Toluene*	<0.050	0.050	08/28/2023	ND	2.11	106	2.00	1.28		
Ethylbenzene*	<0.050	0.050	08/28/2023	ND	2.08	104	2.00	0.707		
Total Xylenes*	<0.150	0.150	08/28/2023	ND	6.18	103	6.00	0.440		
Total BTEx	<0.300	0.300	08/28/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 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	1230	16.0	08/28/2023	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	08/28/2023	ND	163	81.5	200	4.12	
DRO >C10-C28*	<10.0	10.0	08/28/2023	ND	168	84.1	200	4.86	
EXT DRO >C28-C36	<10.0	10.0	08/28/2023	ND					

Surrogate: 1-Chlorooctane 124 % 48.2-134

Surrogate: 1-Chlorooctadecane 147 % 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:

H & R ENTERPRISES
 MICHAEL COLLIER
 1010 GAMBLIN ROAD
 HOBBS NM, 88240
 Fax To: NONE

Received: 08/24/2023
 Reported: 08/30/2023
 Project Name: FEDERAL 5 BATTERY
 Project Number: NOT GIVEN
 Project Location: EDDY COUNTY, NM

Sampling Date: 08/23/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: BH - 7 2' (H234613-28)

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	08/28/2023	ND	1.98	99.2	2.00	0.477		
Toluene*	<0.050	0.050	08/28/2023	ND	2.11	106	2.00	1.28		
Ethylbenzene*	<0.050	0.050	08/28/2023	ND	2.08	104	2.00	0.707		
Total Xylenes*	<0.150	0.150	08/28/2023	ND	6.18	103	6.00	0.440		
Total BTEx	<0.300	0.300	08/28/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 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	1680	16.0	08/28/2023	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	08/29/2023	ND	163	81.5	200	4.12	
DRO >C10-C28*	<10.0	10.0	08/29/2023	ND	168	84.1	200	4.86	
EXT DRO >C28-C36	<10.0	10.0	08/29/2023	ND					

Surrogate: 1-Chlorooctane 110 % 48.2-134

Surrogate: 1-Chlorooctadecane 127 % 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:

H & R ENTERPRISES
 MICHAEL COLLIER
 1010 GAMBLIN ROAD
 HOBBS NM, 88240
 Fax To: NONE

Received: 08/24/2023
 Reported: 08/30/2023
 Project Name: FEDERAL 5 BATTERY
 Project Number: NOT GIVEN
 Project Location: EDDY COUNTY, NM

Sampling Date: 08/23/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: BH - 7 3' (H234613-29)

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	08/28/2023	ND	1.98	99.2	2.00	0.477	
Toluene*	<0.050	0.050	08/28/2023	ND	2.11	106	2.00	1.28	
Ethylbenzene*	<0.050	0.050	08/28/2023	ND	2.08	104	2.00	0.707	
Total Xylenes*	<0.150	0.150	08/28/2023	ND	6.18	103	6.00	0.440	
Total BTEx	<0.300	0.300	08/28/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 116 % 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	432	16.0	08/28/2023	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	08/29/2023	ND	163	81.5	200	4.12	
DRO >C10-C28*	<10.0	10.0	08/29/2023	ND	168	84.1	200	4.86	
EXT DRO >C28-C36	<10.0	10.0	08/29/2023	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 122 % 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:

H & R ENTERPRISES
 MICHAEL COLLIER
 1010 GAMBLIN ROAD
 HOBBS NM, 88240
 Fax To: NONE

Received: 08/24/2023
 Reported: 08/30/2023
 Project Name: FEDERAL 5 BATTERY
 Project Number: NOT GIVEN
 Project Location: EDDY COUNTY, NM

Sampling Date: 08/23/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: BH - 7 4' (H234613-30)

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	08/28/2023	ND	1.98	99.2	2.00	0.477		
Toluene*	<0.050	0.050	08/28/2023	ND	2.11	106	2.00	1.28		
Ethylbenzene*	<0.050	0.050	08/28/2023	ND	2.08	104	2.00	0.707		
Total Xylenes*	<0.150	0.150	08/28/2023	ND	6.18	103	6.00	0.440		
Total BTEx	<0.300	0.300	08/28/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 115 % 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	96.0	16.0	08/28/2023	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	08/28/2023	ND	163	81.5	200	4.12	
DRO >C10-C28*	<10.0	10.0	08/28/2023	ND	168	84.1	200	4.86	
EXT DRO >C28-C36	<10.0	10.0	08/28/2023	ND					

Surrogate: 1-Chlorooctane 115 % 48.2-134

Surrogate: 1-Chlorooctadecane 136 % 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:

H & R ENTERPRISES
 MICHAEL COLLIER
 1010 GAMBLIN ROAD
 HOBBS NM, 88240
 Fax To: NONE

Received: 08/24/2023
 Reported: 08/30/2023
 Project Name: FEDERAL 5 BATTERY
 Project Number: NOT GIVEN
 Project Location: EDDY COUNTY, NM

Sampling Date: 08/23/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: H - 1 0-1' (H234613-31)

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	08/28/2023	ND	1.98	99.2	2.00	0.477	
Toluene*	<0.050	0.050	08/28/2023	ND	2.11	106	2.00	1.28	
Ethylbenzene*	<0.050	0.050	08/28/2023	ND	2.08	104	2.00	0.707	
Total Xylenes*	<0.150	0.150	08/28/2023	ND	6.18	103	6.00	0.440	
Total BTEx	<0.300	0.300	08/28/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 114 % 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	144	16.0	08/28/2023	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	08/28/2023	ND	163	81.5	200	4.12	
DRO >C10-C28*	<10.0	10.0	08/28/2023	ND	168	84.1	200	4.86	
EXT DRO >C28-C36	<10.0	10.0	08/28/2023	ND					

Surrogate: 1-Chlorooctane 98.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 119 % 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:

H & R ENTERPRISES
 MICHAEL COLLIER
 1010 GAMBLIN ROAD
 HOBBS NM, 88240
 Fax To: NONE

Received: 08/24/2023
 Reported: 08/30/2023
 Project Name: FEDERAL 5 BATTERY
 Project Number: NOT GIVEN
 Project Location: EDDY COUNTY, NM

Sampling Date: 08/23/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: H - 2 0-1' (H234613-32)

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	08/28/2023	ND	1.98	99.2	2.00	0.477	
Toluene*	<0.050	0.050	08/28/2023	ND	2.11	106	2.00	1.28	
Ethylbenzene*	<0.050	0.050	08/28/2023	ND	2.08	104	2.00	0.707	
Total Xylenes*	<0.150	0.150	08/28/2023	ND	6.18	103	6.00	0.440	
Total BTEx	<0.300	0.300	08/28/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 115 % 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	112	16.0	08/28/2023	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	08/29/2023	ND	163	81.5	200	4.12	
DRO >C10-C28*	<10.0	10.0	08/29/2023	ND	168	84.1	200	4.86	
EXT DRO >C28-C36	<10.0	10.0	08/29/2023	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 119 % 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:

H & R ENTERPRISES
 MICHAEL COLLIER
 1010 GAMBLIN ROAD
 HOBBS NM, 88240
 Fax To: NONE

Received: 08/24/2023
 Reported: 08/30/2023
 Project Name: FEDERAL 5 BATTERY
 Project Number: NOT GIVEN
 Project Location: EDDY COUNTY, NM

Sampling Date: 08/23/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: H - 3 0-1' (H234613-33)

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	08/28/2023	ND	1.98	99.2	2.00	0.477		
Toluene*	<0.050	0.050	08/28/2023	ND	2.11	106	2.00	1.28		
Ethylbenzene*	<0.050	0.050	08/28/2023	ND	2.08	104	2.00	0.707		
Total Xylenes*	<0.150	0.150	08/28/2023	ND	6.18	103	6.00	0.440		
Total BTEx	<0.300	0.300	08/28/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 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	48.0	16.0	08/28/2023	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	08/28/2023	ND	164	81.9	200	1.13	
DRO >C10-C28*	<10.0	10.0	08/28/2023	ND	179	89.3	200	2.66	
EXT DRO >C28-C36	<10.0	10.0	08/28/2023	ND					

Surrogate: 1-Chlorooctane 123 % 48.2-134

Surrogate: 1-Chlorooctadecane 135 % 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:

H & R ENTERPRISES
 MICHAEL COLLIER
 1010 GAMBLIN ROAD
 HOBBS NM, 88240
 Fax To: NONE

Received: 08/24/2023
 Reported: 08/30/2023
 Project Name: FEDERAL 5 BATTERY
 Project Number: NOT GIVEN
 Project Location: EDDY COUNTY, NM

Sampling Date: 08/23/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: H - 4 0-1' (H234613-34)

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	08/28/2023	ND	1.98	99.2	2.00	0.477		
Toluene*	<0.050	0.050	08/28/2023	ND	2.11	106	2.00	1.28		
Ethylbenzene*	<0.050	0.050	08/28/2023	ND	2.08	104	2.00	0.707		
Total Xylenes*	<0.150	0.150	08/28/2023	ND	6.18	103	6.00	0.440		
Total BTEx	<0.300	0.300	08/28/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 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	80.0	16.0	08/28/2023	ND	416	104	400	3.77	

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	08/28/2023	ND	164	81.9	200	1.13	
DRO >C10-C28*	<10.0	10.0	08/28/2023	ND	179	89.3	200	2.66	
EXT DRO >C28-C36	<10.0	10.0	08/28/2023	ND					

Surrogate: 1-Chlorooctane 114 % 48.2-134

Surrogate: 1-Chlorooctadecane 128 % 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:

H & R ENTERPRISES
 MICHAEL COLLIER
 1010 GAMBLIN ROAD
 HOBBS NM, 88240
 Fax To: NONE

Received: 08/24/2023
 Reported: 08/30/2023
 Project Name: FEDERAL 5 BATTERY
 Project Number: NOT GIVEN
 Project Location: EDDY COUNTY, NM

Sampling Date: 08/23/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: H - 5 0-1' (H234613-35)

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	08/28/2023	ND	1.98	99.2	2.00	0.477		
Toluene*	<0.050	0.050	08/28/2023	ND	2.11	106	2.00	1.28		
Ethylbenzene*	<0.050	0.050	08/28/2023	ND	2.08	104	2.00	0.707		
Total Xylenes*	<0.150	0.150	08/28/2023	ND	6.18	103	6.00	0.440		
Total BTEx	<0.300	0.300	08/28/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 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	112	16.0	08/28/2023	ND	416	104	400	3.77		

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	08/28/2023	ND	164	81.9	200	1.13	
DRO >C10-C28*	<10.0	10.0	08/28/2023	ND	179	89.3	200	2.66	
EXT DRO >C28-C36	<10.0	10.0	08/28/2023	ND					

Surrogate: 1-Chlorooctane 120 % 48.2-134

Surrogate: 1-Chlorooctadecane 137 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

H & R ENTERPRISES
 MICHAEL COLLIER
 1010 GAMBLIN ROAD
 HOBBS NM, 88240
 Fax To: NONE

Received: 08/24/2023
 Reported: 08/30/2023
 Project Name: FEDERAL 5 BATTERY
 Project Number: NOT GIVEN
 Project Location: EDDY COUNTY, NM

Sampling Date: 08/23/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: H - 6 0-1' (H234613-36)

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	08/28/2023	ND	1.98	99.2	2.00	0.477	
Toluene*	<0.050	0.050	08/28/2023	ND	2.11	106	2.00	1.28	
Ethylbenzene*	<0.050	0.050	08/28/2023	ND	2.08	104	2.00	0.707	
Total Xylenes*	<0.150	0.150	08/28/2023	ND	6.18	103	6.00	0.440	
Total BTEx	<0.300	0.300	08/28/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 114 % 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	96.0	16.0	08/28/2023	ND	416	104	400	3.77	

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	08/29/2023	ND	164	81.9	200	1.13	
DRO >C10-C28*	17.1	10.0	08/29/2023	ND	179	89.3	200	2.66	
EXT DRO >C28-C36	<10.0	10.0	08/29/2023	ND					

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 74.7 % 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:

H & R ENTERPRISES
 MICHAEL COLLIER
 1010 GAMBLIN ROAD
 HOBBS NM, 88240
 Fax To: NONE

Received: 08/24/2023
 Reported: 08/30/2023
 Project Name: FEDERAL 5 BATTERY
 Project Number: NOT GIVEN
 Project Location: EDDY COUNTY, NM

Sampling Date: 08/23/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: H - 7 0-1' (H234613-37)

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	08/28/2023	ND	1.98	99.2	2.00	0.477	
Toluene*	<0.050	0.050	08/28/2023	ND	2.11	106	2.00	1.28	
Ethylbenzene*	<0.050	0.050	08/28/2023	ND	2.08	104	2.00	0.707	
Total Xylenes*	<0.150	0.150	08/28/2023	ND	6.18	103	6.00	0.440	
Total BTEX	<0.300	0.300	08/28/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 114 % 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	08/28/2023	ND	416	104	400	3.77		

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	08/28/2023	ND	164	81.9	200	1.13	
DRO >C10-C28*	<10.0	10.0	08/28/2023	ND	179	89.3	200	2.66	
EXT DRO >C28-C36	<10.0	10.0	08/28/2023	ND					

Surrogate: 1-Chlorooctane 128 % 48.2-134

Surrogate: 1-Chlorooctadecane 145 % 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:

H & R ENTERPRISES
 MICHAEL COLLIER
 1010 GAMBLIN ROAD
 HOBBS NM, 88240
 Fax To: NONE

Received: 08/24/2023
 Reported: 08/30/2023
 Project Name: FEDERAL 5 BATTERY
 Project Number: NOT GIVEN
 Project Location: EDDY COUNTY, NM

Sampling Date: 08/23/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: H - 8 0-1' (H234613-38)

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	08/28/2023	ND	1.98	99.2	2.00	0.477	
Toluene*	<0.050	0.050	08/28/2023	ND	2.11	106	2.00	1.28	
Ethylbenzene*	<0.050	0.050	08/28/2023	ND	2.08	104	2.00	0.707	
Total Xylenes*	<0.150	0.150	08/28/2023	ND	6.18	103	6.00	0.440	
Total BTEX	<0.300	0.300	08/28/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 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	96.0	16.0	08/28/2023	ND	416	104	400	3.77	

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	08/28/2023	ND	164	81.9	200	1.13	
DRO >C10-C28*	<10.0	10.0	08/28/2023	ND	179	89.3	200	2.66	
EXT DRO >C28-C36	<10.0	10.0	08/28/2023	ND					

Surrogate: 1-Chlorooctane 130 % 48.2-134

Surrogate: 1-Chlorooctadecane 145 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
GC-NC1	8260 confirmation analysis was performed; initial GC results were not supported by GC/MS analysis and are biased high with interfering compounds.
GC-NC	8260 confirmation analysis was performed; initial GC results were not supported by GC/MS analysis and are reported as ND.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: H & R ENTERPRISES				BILL TO				ANALYSIS REQUEST							
Project Manager: M. COLLIER				P.O. #:											
Address:				Company: Mc DANIEL CO.											
City:				Attn:											
Phone #:				Address:											
Fax #:				City:											
Project #:				State:				Zip:							
Project Name: FEDERAL 5 BATTERY (FED 5)				State:				Zip:							
Project Location: EDDY COUNTY, NM				Phone #:											
Sampler Name: M. COLLIER				Fax #:											
FOR LAB USE ONLY															
Lab I.D.		Sample I.D.		(G)RAB OR (C)OMP.		# CONTAINERS		MATRIX		PRESERV		SAMPLING			
				GROUNDWATER				WASTEWATER							
				SOIL				OIL							
				SLUDGE				OTHER :							
				ACID/BASE:				ICE / COOL							
				OTHER :				DATE		TIME					
1 BH-1 0-1'		6		X		8-23-23		X		TPH					
2 2'		1		X				X		BTEX					
3 3'				X				X		CHLORIDES					
4 4'															
5 5'															
6 BH-2 0-1'															
7 2'															
8 3'															
9 4'															
10 BH-3 0-1'															
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Relinquished By: M. Coll				Date: 8/24/23				Received By: Spodrigney				Date: 8/24/23			
Relinquished By:				Time: 1440				Received By:				Time:			
Delivered By: (Circle One)				Observed Temp. °C: 1.5				Sample Condition				CHECKED BY: SC			
Cool Intact				Cool Intact				Cool Intact				Cool Intact			
Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>				Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>				Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>				Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>			
Sampler - UPS - Bus - Other:				Corrected Temp. °C											
FORM-006 R-33-0710-22															
† Cardinal cannot accept verbal changes. Please email changes to coley.keene@cardinalabsnm.com															



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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Project Manager:				P.O. #: Company:				BILL TO ANALYSIS REQUEST			
Address: City: State: Zip:				Attn: Address:							
Phone #: Fax #:				City: State: Zip:							
Project #: Project Owner:				City: State: Zip:							
Project Name: FEDERAL 5 BATTERY (FED 5)				Phone #:							
Project Location:				Fax #:							
Sampler Name:											
FOR LAB USE ONLY											
Lab I.D.		Sample I.D.		MATRIX		PRESERV		SAMPLING			
H234613		BH-5 4'		(G)RAB OR (C)OMP.		# CONTAINERS		GROUNDWATER		DATE TIME	
21		BH-6 0-1'		1		X		WASTEWATER		8-23-23	
22		2'		1		X		SOIL		X	
23		3'		1		X		OIL		X	
24		4'		1		X		SLUDGE		X	
25		6'		1		X		OTHER :		X	
26		BH-7 0-1'		1		X		ACID/BASE:		X	
27		2'		1		X		ICE / COOL		X	
28		3'		1		X		OTHER :		X	
29		4'		1		X		TPH		X	
30		4'		1		X		BTEX		X	
								CHLORIDES			

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Relinquished By: MRL ell		Date: 8/24/23		Received By: Skodeckney	
Relinquished By:		Date:		Received By:	
Time:		Time:		Time:	

REMARKS: Pg 3 of 4

Turnaround Time: Standard ☒ Rush ☐

Thermometer ID #446 ☒ #440 ☐

Correction Factor -4.46 ☒ 8/24/23 ☐

Verbal Result: ☐ Yes ☐ No ☐ Add'l Phone #:

All Results are emailed. Please provide Email address:

Sample Condition		CHECKED BY: (initials)	
<input checked="" type="checkbox"/> Cool <input type="checkbox"/> Intact	<input type="checkbox"/> Yes <input type="checkbox"/> No	SKL	8/24/23
Sample Condition		Sample Condition	
<input type="checkbox"/> Bacteria (only) <input type="checkbox"/> Cool <input type="checkbox"/> Intact	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Bacteria (only) <input type="checkbox"/> Cool <input type="checkbox"/> Intact	<input type="checkbox"/> Yes <input type="checkbox"/> No
Observed Temp. °C		Observed Temp. °C	
1.5	1.5	Corrected Temp. °C	Corrected Temp. °C



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(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: _____ Project Manager: _____ Address: _____ City: _____ State: _____ Zip: _____ Phone #: _____ Fax #: _____ Project #: _____ Project Owner: _____ Project Name: FEDERAL 5 BATTERY (FED 5) Project Location: _____ Sample Name: _____ FOR LAB USE ONLY										BILL TO P.O. #: _____ Company: _____ Attn: _____ Address: _____ City: _____ State: _____ Zip: _____ Phone #: _____ Fax #: _____										ANALYSIS REQUEST									
Lab I.D. _____ Sample I.D. _____ H234613 31 H-1 0-1' 32 H-2 33 H-3 34 H-4 35 H-5 36 H-6 37 H-7 38 H-8 39 H-9										(G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER : ACID/BASE: ICE / COOL OTHER : DATE TIME										MATRIX PRESERV SAMPLING TPH BTEX CHLORIDES									
Relinquished By: _____ Relinquished By: _____ Date: _____ Time: _____ Received By: _____ Date: _____ Time: _____										Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #: _____ All Results are emailed. Please provide Email address: _____ REMARKS: _____ Turnaround Time: _____ Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/> Thermometer ID #113 #140 Correction Factor 0.06 0.08/24/23										Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Bacteria (only) Sample Condition Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No Observed Temp. °C Corrected Temp. °C									



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

September 15, 2023

MICHAEL COLLIER

H & R ENTERPRISES

1010 GAMBLIN ROAD

HOBBS, NM 88240

RE: FEDERAL 5 BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 09/12/23 13:28.

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 "Mike Snyder". The signature is fluid and cursive, with the first name "Mike" and last name "Snyder" clearly distinguishable.

Mike Snyder For Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

H & R ENTERPRISES
 MICHAEL COLLIER
 1010 GAMBLIN ROAD
 HOBBS NM, 88240
 Fax To: NONE

Received: 09/12/2023
 Reported: 09/15/2023
 Project Name: FEDERAL 5 BATTERY
 Project Number: NOT GIVEN
 Project Location: EDDY COUNTY, NM

Sampling Date: 09/12/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: S - 1 4' (H234924-01)

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	09/13/2023	ND	1.99	99.6	2.00	1.68	
Toluene*	<0.050	0.050	09/13/2023	ND	2.01	101	2.00	3.53	
Ethylbenzene*	<0.050	0.050	09/13/2023	ND	2.12	106	2.00	1.77	
Total Xylenes*	<0.150	0.150	09/13/2023	ND	6.37	106	6.00	2.15	
Total BTEX	<0.300	0.300	09/13/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 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	09/14/2023	ND	432	108	400	3.77		

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	09/14/2023	ND	175	87.5	200	3.56	
DRO >C10-C28*	<10.0	10.0	09/14/2023	ND	198	98.8	200	3.47	
EXT DRO >C28-C36	<10.0	10.0	09/14/2023	ND					

Surrogate: 1-Chlorooctane 99.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 120 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

H & R ENTERPRISES
 MICHAEL COLLIER
 1010 GAMBLIN ROAD
 HOBBS NM, 88240
 Fax To: NONE

Received: 09/12/2023
 Reported: 09/15/2023
 Project Name: FEDERAL 5 BATTERY
 Project Number: NOT GIVEN
 Project Location: EDDY COUNTY, NM

Sampling Date: 09/12/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: S - 2 4' (H234924-02)

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	09/13/2023	ND	1.99	99.6	2.00	1.68		
Toluene*	<0.050	0.050	09/13/2023	ND	2.01	101	2.00	3.53		
Ethylbenzene*	<0.050	0.050	09/13/2023	ND	2.12	106	2.00	1.77		
Total Xylenes*	<0.150	0.150	09/13/2023	ND	6.37	106	6.00	2.15		
Total BTEX	<0.300	0.300	09/13/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 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	09/14/2023	ND	432	108	400	3.77		

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	09/14/2023	ND	175	87.5	200	3.56	
DRO >C10-C28*	<10.0	10.0	09/14/2023	ND	198	98.8	200	3.47	
EXT DRO >C28-C36	<10.0	10.0	09/14/2023	ND					

Surrogate: 1-Chlorooctane 96.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 113 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

H & R ENTERPRISES
 MICHAEL COLLIER
 1010 GAMBLIN ROAD
 HOBBS NM, 88240
 Fax To: NONE

Received: 09/12/2023
 Reported: 09/15/2023
 Project Name: FEDERAL 5 BATTERY
 Project Number: NOT GIVEN
 Project Location: EDDY COUNTY, NM

Sampling Date: 09/12/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: S - 3 4' (H234924-03)

BTX 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	09/13/2023	ND	1.99	99.6	2.00	1.68		
Toluene*	<0.050	0.050	09/13/2023	ND	2.01	101	2.00	3.53		
Ethylbenzene*	<0.050	0.050	09/13/2023	ND	2.12	106	2.00	1.77		
Total Xylenes*	<0.150	0.150	09/13/2023	ND	6.37	106	6.00	2.15		
Total BTX	<0.300	0.300	09/13/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 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	192	16.0	09/14/2023	ND	432	108	400	3.77		

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	09/14/2023	ND	175	87.5	200	3.56	
DRO >C10-C28*	<10.0	10.0	09/14/2023	ND	198	98.8	200	3.47	
EXT DRO >C28-C36	<10.0	10.0	09/14/2023	ND					

Surrogate: 1-Chlorooctane 98.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 116 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

H & R ENTERPRISES
 MICHAEL COLLIER
 1010 GAMBLIN ROAD
 HOBBS NM, 88240
 Fax To: NONE

Received: 09/12/2023
 Reported: 09/15/2023
 Project Name: FEDERAL 5 BATTERY
 Project Number: NOT GIVEN
 Project Location: EDDY COUNTY, NM

Sampling Date: 09/12/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: S - 4 4' (H234924-04)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/14/2023	ND	1.95	97.6	2.00	2.29	
Toluene*	<0.050	0.050	09/14/2023	ND	2.04	102	2.00	2.63	
Ethylbenzene*	<0.050	0.050	09/14/2023	ND	2.11	106	2.00	2.34	
Total Xylenes*	<0.150	0.150	09/14/2023	ND	5.73	95.5	6.00	1.17	
Total BTEX	<0.300	0.300	09/14/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 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	09/14/2023	ND	432	108	400	3.77	

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	09/14/2023	ND	175	87.5	200	3.56	
DRO >C10-C28*	<10.0	10.0	09/14/2023	ND	198	98.8	200	3.47	
EXT DRO >C28-C36	<10.0	10.0	09/14/2023	ND					

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 121 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

H & R ENTERPRISES
 MICHAEL COLLIER
 1010 GAMBLIN ROAD
 HOBBS NM, 88240
 Fax To: NONE

Received: 09/12/2023
 Reported: 09/15/2023
 Project Name: FEDERAL 5 BATTERY
 Project Number: NOT GIVEN
 Project Location: EDDY COUNTY, NM

Sampling Date: 09/12/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: S - 5 4' (H234924-05)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/14/2023	ND	1.95	97.6	2.00	2.29		
Toluene*	<0.050	0.050	09/14/2023	ND	2.04	102	2.00	2.63		
Ethylbenzene*	<0.050	0.050	09/14/2023	ND	2.11	106	2.00	2.34		
Total Xylenes*	<0.150	0.150	09/14/2023	ND	5.73	95.5	6.00	1.17		
Total BTEx	<0.300	0.300	09/14/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 116 % 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	09/14/2023	ND	432	108	400	3.77	

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	09/13/2023	ND	177	88.4	200	1.84	
DRO >C10-C28*	<10.0	10.0	09/13/2023	ND	183	91.6	200	2.55	
EXT DRO >C28-C36	<10.0	10.0	09/13/2023	ND					

Surrogate: 1-Chlorooctane 79.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 81.8 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

H & R ENTERPRISES
 MICHAEL COLLIER
 1010 GAMBLIN ROAD
 HOBBS NM, 88240
 Fax To: NONE

Received: 09/12/2023
 Reported: 09/15/2023
 Project Name: FEDERAL 5 BATTERY
 Project Number: NOT GIVEN
 Project Location: EDDY COUNTY, NM

Sampling Date: 09/12/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: S - 6 4' (H234924-06)

BTX 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	09/14/2023	ND	1.89	94.6	2.00	3.13	
Toluene*	<0.050	0.050	09/14/2023	ND	2.04	102	2.00	6.74	
Ethylbenzene*	<0.050	0.050	09/14/2023	ND	2.15	108	2.00	7.06	
Total Xylenes*	<0.150	0.150	09/14/2023	ND	6.52	109	6.00	7.06	
Total BTX	<0.300	0.300	09/14/2023	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	224	16.0	09/14/2023	ND	432	108	400	3.77	

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	09/13/2023	ND	177	88.4	200	1.84	
DRO >C10-C28*	<10.0	10.0	09/13/2023	ND	183	91.6	200	2.55	
EXT DRO >C28-C36	<10.0	10.0	09/13/2023	ND					

Surrogate: 1-Chlorooctane 73.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 82.1 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

H & R ENTERPRISES
 MICHAEL COLLIER
 1010 GAMBLIN ROAD
 HOBBS NM, 88240
 Fax To: NONE

Received: 09/12/2023
 Reported: 09/15/2023
 Project Name: FEDERAL 5 BATTERY
 Project Number: NOT GIVEN
 Project Location: EDDY COUNTY, NM

Sampling Date: 09/12/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: S - 7 4' (H234924-07)

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	09/14/2023	ND	1.89	94.6	2.00	3.13	
Toluene*	<0.050	0.050	09/14/2023	ND	2.04	102	2.00	6.74	
Ethylbenzene*	<0.050	0.050	09/14/2023	ND	2.15	108	2.00	7.06	
Total Xylenes*	<0.150	0.150	09/14/2023	ND	6.52	109	6.00	7.06	
Total BTEX	<0.300	0.300	09/14/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 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	09/14/2023	ND	432	108	400	3.77	

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	09/13/2023	ND	177	88.4	200	1.84	
DRO >C10-C28*	<10.0	10.0	09/13/2023	ND	183	91.6	200	2.55	
EXT DRO >C28-C36	<10.0	10.0	09/13/2023	ND					

Surrogate: 1-Chlorooctane 78.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 80.7 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

H & R ENTERPRISES
 MICHAEL COLLIER
 1010 GAMBLIN ROAD
 HOBBS NM, 88240
 Fax To: NONE

Received: 09/12/2023
 Reported: 09/15/2023
 Project Name: FEDERAL 5 BATTERY
 Project Number: NOT GIVEN
 Project Location: EDDY COUNTY, NM

Sampling Date: 09/12/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: S - 8 2' (H234924-08)

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	09/14/2023	ND	1.89	94.6	2.00	3.13		
Toluene*	<0.050	0.050	09/14/2023	ND	2.04	102	2.00	6.74		
Ethylbenzene*	<0.050	0.050	09/14/2023	ND	2.15	108	2.00	7.06		
Total Xylenes*	<0.150	0.150	09/14/2023	ND	6.52	109	6.00	7.06		
Total BTEx	<0.300	0.300	09/14/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 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	09/14/2023	ND	432	108	400	3.77	

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	09/13/2023	ND	177	88.4	200	1.84	
DRO >C10-C28*	<10.0	10.0	09/13/2023	ND	183	91.6	200	2.55	
EXT DRO >C28-C36	<10.0	10.0	09/13/2023	ND					

Surrogate: 1-Chlorooctane 81.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.0 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

H & R ENTERPRISES
 MICHAEL COLLIER
 1010 GAMBLIN ROAD
 HOBBS NM, 88240
 Fax To: NONE

Received: 09/12/2023
 Reported: 09/15/2023
 Project Name: FEDERAL 5 BATTERY
 Project Number: NOT GIVEN
 Project Location: EDDY COUNTY, NM

Sampling Date: 09/12/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: S - 9 2' (H234924-09)

BTX 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	09/14/2023	ND	1.89	94.6	2.00	3.13	
Toluene*	<0.050	0.050	09/14/2023	ND	2.04	102	2.00	6.74	
Ethylbenzene*	<0.050	0.050	09/14/2023	ND	2.15	108	2.00	7.06	
Total Xylenes*	<0.150	0.150	09/14/2023	ND	6.52	109	6.00	7.06	
Total BTX	<0.300	0.300	09/14/2023	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	160	16.0	09/14/2023	ND	432	108	400	3.77	

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	09/13/2023	ND	177	88.4	200	1.84	
DRO >C10-C28*	<10.0	10.0	09/13/2023	ND	183	91.6	200	2.55	
EXT DRO >C28-C36	<10.0	10.0	09/13/2023	ND					

Surrogate: 1-Chlorooctane 81.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.0 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

H & R ENTERPRISES
 MICHAEL COLLIER
 1010 GAMBLIN ROAD
 HOBBS NM, 88240
 Fax To: NONE

Received: 09/12/2023
 Reported: 09/15/2023
 Project Name: FEDERAL 5 BATTERY
 Project Number: NOT GIVEN
 Project Location: EDDY COUNTY, NM

Sampling Date: 09/12/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: S - 10 2' (H234924-10)

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	09/14/2023	ND	1.89	94.6	2.00	3.13		
Toluene*	<0.050	0.050	09/14/2023	ND	2.04	102	2.00	6.74		
Ethylbenzene*	<0.050	0.050	09/14/2023	ND	2.15	108	2.00	7.06		
Total Xylenes*	<0.150	0.150	09/14/2023	ND	6.52	109	6.00	7.06		
Total BTEx	<0.300	0.300	09/14/2023	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	128	16.0	09/14/2023	ND	432	108	400	3.77		

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	09/13/2023	ND	177	88.4	200	1.84	
DRO >C10-C28*	<10.0	10.0	09/13/2023	ND	183	91.6	200	2.55	
EXT DRO >C28-C36	<10.0	10.0	09/13/2023	ND					

Surrogate: 1-Chlorooctane 77.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 81.1 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

H & R ENTERPRISES
 MICHAEL COLLIER
 1010 GAMBLIN ROAD
 HOBBS NM, 88240
 Fax To: NONE

Received: 09/12/2023
 Reported: 09/15/2023
 Project Name: FEDERAL 5 BATTERY
 Project Number: NOT GIVEN
 Project Location: EDDY COUNTY, NM

Sampling Date: 09/12/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: S - 11 2' (H234924-11)

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	09/14/2023	ND	1.89	94.6	2.00	3.13		
Toluene*	<0.050	0.050	09/14/2023	ND	2.04	102	2.00	6.74		
Ethylbenzene*	<0.050	0.050	09/14/2023	ND	2.15	108	2.00	7.06		
Total Xylenes*	<0.150	0.150	09/14/2023	ND	6.52	109	6.00	7.06		
Total BTEX	<0.300	0.300	09/14/2023	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	48.0	16.0	09/14/2023	ND	432	108	400	3.77		

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	09/13/2023	ND	177	88.4	200	1.84	
DRO >C10-C28*	<10.0	10.0	09/13/2023	ND	183	91.6	200	2.55	
EXT DRO >C28-C36	<10.0	10.0	09/13/2023	ND					

Surrogate: 1-Chlorooctane 74.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 76.3 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

H & R ENTERPRISES
 MICHAEL COLLIER
 1010 GAMBLIN ROAD
 HOBBS NM, 88240
 Fax To: NONE

Received: 09/12/2023
 Reported: 09/15/2023
 Project Name: FEDERAL 5 BATTERY
 Project Number: NOT GIVEN
 Project Location: EDDY COUNTY, NM

Sampling Date: 09/12/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: S - 12 2' (H234924-12)

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	09/14/2023	ND	1.89	94.6	2.00	3.13		
Toluene*	<0.050	0.050	09/14/2023	ND	2.04	102	2.00	6.74		
Ethylbenzene*	<0.050	0.050	09/14/2023	ND	2.15	108	2.00	7.06		
Total Xylenes*	<0.150	0.150	09/14/2023	ND	6.52	109	6.00	7.06		
Total BTEX	<0.300	0.300	09/14/2023	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	160	16.0	09/14/2023	ND	432	108	400	3.77	

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	09/13/2023	ND	177	88.4	200	1.84	
DRO >C10-C28*	<10.0	10.0	09/13/2023	ND	183	91.6	200	2.55	
EXT DRO >C28-C36	<10.0	10.0	09/13/2023	ND					

Surrogate: 1-Chlorooctane 83.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.5 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

H & R ENTERPRISES
 MICHAEL COLLIER
 1010 GAMBLIN ROAD
 HOBBS NM, 88240
 Fax To: NONE

Received: 09/12/2023
 Reported: 09/15/2023
 Project Name: FEDERAL 5 BATTERY
 Project Number: NOT GIVEN
 Project Location: EDDY COUNTY, NM

Sampling Date: 09/12/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: S - 13 2' (H234924-13)

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	09/14/2023	ND	1.89	94.6	2.00	3.13	
Toluene*	<0.050	0.050	09/14/2023	ND	2.04	102	2.00	6.74	
Ethylbenzene*	<0.050	0.050	09/14/2023	ND	2.15	108	2.00	7.06	
Total Xylenes*	<0.150	0.150	09/14/2023	ND	6.52	109	6.00	7.06	
Total BTEX	<0.300	0.300	09/14/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 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	176	16.0	09/14/2023	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	09/13/2023	ND	177	88.4	200	1.84	
DRO >C10-C28*	<10.0	10.0	09/13/2023	ND	183	91.6	200	2.55	
EXT DRO >C28-C36	<10.0	10.0	09/13/2023	ND					

Surrogate: 1-Chlorooctane 79.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 81.9 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

H & R ENTERPRISES
 MICHAEL COLLIER
 1010 GAMBLIN ROAD
 HOBBS NM, 88240
 Fax To: NONE

Received: 09/12/2023
 Reported: 09/15/2023
 Project Name: FEDERAL 5 BATTERY
 Project Number: NOT GIVEN
 Project Location: EDDY COUNTY, NM

Sampling Date: 09/12/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: S - 14 2' (H234924-14)

BTX 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	09/14/2023	ND	1.89	94.6	2.00	3.13		
Toluene*	<0.050	0.050	09/14/2023	ND	2.04	102	2.00	6.74		
Ethylbenzene*	<0.050	0.050	09/14/2023	ND	2.15	108	2.00	7.06		
Total Xylenes*	<0.150	0.150	09/14/2023	ND	6.52	109	6.00	7.06		
Total BTX	<0.300	0.300	09/14/2023	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	208	16.0	09/14/2023	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	09/13/2023	ND	177	88.4	200	1.84	
DRO >C10-C28*	<10.0	10.0	09/13/2023	ND	183	91.6	200	2.55	
EXT DRO >C28-C36	<10.0	10.0	09/13/2023	ND					

Surrogate: 1-Chlorooctane 78.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 79.8 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

H & R ENTERPRISES
 MICHAEL COLLIER
 1010 GAMBLIN ROAD
 HOBBS NM, 88240
 Fax To: NONE

Received: 09/12/2023
 Reported: 09/15/2023
 Project Name: FEDERAL 5 BATTERY
 Project Number: NOT GIVEN
 Project Location: EDDY COUNTY, NM

Sampling Date: 09/12/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: S - 15 2' (H234924-15)

BTX 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	09/14/2023	ND	1.89	94.6	2.00	3.13		
Toluene*	<0.050	0.050	09/14/2023	ND	2.04	102	2.00	6.74		
Ethylbenzene*	<0.050	0.050	09/14/2023	ND	2.15	108	2.00	7.06		
Total Xylenes*	<0.150	0.150	09/14/2023	ND	6.52	109	6.00	7.06		
Total BTX	<0.300	0.300	09/14/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 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	176	16.0	09/14/2023	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	09/13/2023	ND	177	88.4	200	1.84	
DRO >C10-C28*	<10.0	10.0	09/13/2023	ND	183	91.6	200	2.55	
EXT DRO >C28-C36	<10.0	10.0	09/13/2023	ND					

Surrogate: 1-Chlorooctane 73.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 76.1 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

H & R ENTERPRISES
 MICHAEL COLLIER
 1010 GAMBLIN ROAD
 HOBBS NM, 88240
 Fax To: NONE

Received: 09/12/2023
 Reported: 09/15/2023
 Project Name: FEDERAL 5 BATTERY
 Project Number: NOT GIVEN
 Project Location: EDDY COUNTY, NM

Sampling Date: 09/12/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: S - 16 2' (H234924-16)

BTX 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	09/14/2023	ND	1.89	94.6	2.00	3.13		
Toluene*	<0.050	0.050	09/14/2023	ND	2.04	102	2.00	6.74		
Ethylbenzene*	<0.050	0.050	09/14/2023	ND	2.15	108	2.00	7.06		
Total Xylenes*	<0.150	0.150	09/14/2023	ND	6.52	109	6.00	7.06		
Total BTX	<0.300	0.300	09/14/2023	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	09/14/2023	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	09/13/2023	ND	177	88.4	200	1.84	
DRO >C10-C28*	<10.0	10.0	09/13/2023	ND	183	91.6	200	2.55	
EXT DRO >C28-C36	<10.0	10.0	09/13/2023	ND					

Surrogate: 1-Chlorooctane 80.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.8 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

H & R ENTERPRISES
 MICHAEL COLLIER
 1010 GAMBLIN ROAD
 HOBBS NM, 88240
 Fax To: NONE

Received: 09/12/2023
 Reported: 09/15/2023
 Project Name: FEDERAL 5 BATTERY
 Project Number: NOT GIVEN
 Project Location: EDDY COUNTY, NM

Sampling Date: 09/12/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: S - 17 2' (H234924-17)

BTX 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	09/14/2023	ND	1.89	94.6	2.00	3.13		
Toluene*	<0.050	0.050	09/14/2023	ND	2.04	102	2.00	6.74		
Ethylbenzene*	<0.050	0.050	09/14/2023	ND	2.15	108	2.00	7.06		
Total Xylenes*	<0.150	0.150	09/14/2023	ND	6.52	109	6.00	7.06		
Total BTX	<0.300	0.300	09/14/2023	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	176	16.0	09/14/2023	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	09/14/2023	ND	177	88.4	200	1.84	
DRO >C10-C28*	<10.0	10.0	09/14/2023	ND	183	91.6	200	2.55	
EXT DRO >C28-C36	<10.0	10.0	09/14/2023	ND					

Surrogate: 1-Chlorooctane 78.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 80.2 % 49.1-148

Cardinal Laboratories

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

H & R ENTERPRISES
 MICHAEL COLLIER
 1010 GAMBLIN ROAD
 HOBBS NM, 88240
 Fax To: NONE

Received: 09/12/2023
 Reported: 09/15/2023
 Project Name: FEDERAL 5 BATTERY
 Project Number: NOT GIVEN
 Project Location: EDDY COUNTY, NM

Sampling Date: 09/12/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: S - 18 2' (H234924-18)

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	09/14/2023	ND	1.89	94.6	2.00	3.13		
Toluene*	<0.050	0.050	09/14/2023	ND	2.04	102	2.00	6.74		
Ethylbenzene*	<0.050	0.050	09/14/2023	ND	2.15	108	2.00	7.06		
Total Xylenes*	<0.150	0.150	09/14/2023	ND	6.52	109	6.00	7.06		
Total BTEx	<0.300	0.300	09/14/2023	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	09/14/2023	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	09/14/2023	ND	177	88.4	200	1.84	
DRO >C10-C28*	<10.0	10.0	09/14/2023	ND	183	91.6	200	2.55	
EXT DRO >C28-C36	<10.0	10.0	09/14/2023	ND					

Surrogate: 1-Chlorooctane 82.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.3 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

H & R ENTERPRISES
 MICHAEL COLLIER
 1010 GAMBLIN ROAD
 HOBBS NM, 88240
 Fax To: NONE

Received: 09/12/2023
 Reported: 09/15/2023
 Project Name: FEDERAL 5 BATTERY
 Project Number: NOT GIVEN
 Project Location: EDDY COUNTY, NM

Sampling Date: 09/12/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: S - 19 2' (H234924-19)

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	09/14/2023	ND	1.89	94.6	2.00	3.13		
Toluene*	<0.050	0.050	09/14/2023	ND	2.04	102	2.00	6.74		
Ethylbenzene*	<0.050	0.050	09/14/2023	ND	2.15	108	2.00	7.06		
Total Xylenes*	<0.150	0.150	09/14/2023	ND	6.52	109	6.00	7.06		
Total BTEx	<0.300	0.300	09/14/2023	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	176	16.0	09/14/2023	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	09/14/2023	ND	177	88.4	200	1.84	
DRO >C10-C28*	<10.0	10.0	09/14/2023	ND	183	91.6	200	2.55	
EXT DRO >C28-C36	<10.0	10.0	09/14/2023	ND					

Surrogate: 1-Chlorooctane 70.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 72.1 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

H & R ENTERPRISES
 MICHAEL COLLIER
 1010 GAMBLIN ROAD
 HOBBS NM, 88240
 Fax To: NONE

Received: 09/12/2023
 Reported: 09/15/2023
 Project Name: FEDERAL 5 BATTERY
 Project Number: NOT GIVEN
 Project Location: EDDY COUNTY, NM

Sampling Date: 09/12/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: S - 20 2' (H234924-20)

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	09/14/2023	ND	1.89	94.6	2.00	3.13		
Toluene*	<0.050	0.050	09/14/2023	ND	2.04	102	2.00	6.74		
Ethylbenzene*	<0.050	0.050	09/14/2023	ND	2.15	108	2.00	7.06		
Total Xylenes*	<0.150	0.150	09/14/2023	ND	6.52	109	6.00	7.06		
Total BTEx	<0.300	0.300	09/14/2023	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	192	16.0	09/14/2023	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	09/14/2023	ND	177	88.4	200	1.84	
DRO >C10-C28*	<10.0	10.0	09/14/2023	ND	183	91.6	200	2.55	
EXT DRO >C28-C36	<10.0	10.0	09/14/2023	ND					

Surrogate: 1-Chlorooctane 74.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 75.8 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

H & R ENTERPRISES
 MICHAEL COLLIER
 1010 GAMBLIN ROAD
 HOBBS NM, 88240
 Fax To: NONE

Received: 09/12/2023
 Reported: 09/15/2023
 Project Name: FEDERAL 5 BATTERY
 Project Number: NOT GIVEN
 Project Location: EDDY COUNTY, NM

Sampling Date: 09/12/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: S - 21 2' (H234924-21)

BTX 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	09/14/2023	ND	1.89	94.6	2.00	3.13	
Toluene*	<0.050	0.050	09/14/2023	ND	2.04	102	2.00	6.74	
Ethylbenzene*	<0.050	0.050	09/14/2023	ND	2.15	108	2.00	7.06	
Total Xylenes*	<0.150	0.150	09/14/2023	ND	6.52	109	6.00	7.06	
Total BTX	<0.300	0.300	09/14/2023	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	176	16.0	09/14/2023	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	09/14/2023	ND	201	101	200	1.63	
DRO >C10-C28*	<10.0	10.0	09/14/2023	ND	202	101	200	0.318	
EXT DRO >C28-C36	<10.0	10.0	09/14/2023	ND					

Surrogate: 1-Chlorooctane 85.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.1 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

H & R ENTERPRISES
 MICHAEL COLLIER
 1010 GAMBLIN ROAD
 HOBBS NM, 88240
 Fax To: NONE

Received: 09/12/2023
 Reported: 09/15/2023
 Project Name: FEDERAL 5 BATTERY
 Project Number: NOT GIVEN
 Project Location: EDDY COUNTY, NM

Sampling Date: 09/12/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: S - 22 2' (H234924-22)

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	09/14/2023	ND	1.89	94.6	2.00	3.13		
Toluene*	<0.050	0.050	09/14/2023	ND	2.04	102	2.00	6.74		
Ethylbenzene*	<0.050	0.050	09/14/2023	ND	2.15	108	2.00	7.06		
Total Xylenes*	<0.150	0.150	09/14/2023	ND	6.52	109	6.00	7.06		
Total BTEx	<0.300	0.300	09/14/2023	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	192	16.0	09/14/2023	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	09/14/2023	ND	201	101	200	1.63	
DRO >C10-C28*	<10.0	10.0	09/14/2023	ND	202	101	200	0.318	
EXT DRO >C28-C36	<10.0	10.0	09/14/2023	ND					

Surrogate: 1-Chlorooctane 85.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.3 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

H & R ENTERPRISES
 MICHAEL COLLIER
 1010 GAMBLIN ROAD
 HOBBS NM, 88240
 Fax To: NONE

Received: 09/12/2023
 Reported: 09/15/2023
 Project Name: FEDERAL 5 BATTERY
 Project Number: NOT GIVEN
 Project Location: EDDY COUNTY, NM

Sampling Date: 09/12/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: S - 23 2' (H234924-23)

BTX 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	09/14/2023	ND	1.89	94.6	2.00	3.13	
Toluene*	<0.050	0.050	09/14/2023	ND	2.04	102	2.00	6.74	
Ethylbenzene*	<0.050	0.050	09/14/2023	ND	2.15	108	2.00	7.06	
Total Xylenes*	<0.150	0.150	09/14/2023	ND	6.52	109	6.00	7.06	
Total BTX	<0.300	0.300	09/14/2023	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	160	16.0	09/14/2023	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	09/14/2023	ND	201	101	200	1.63	
DRO >C10-C28*	<10.0	10.0	09/14/2023	ND	202	101	200	0.318	
EXT DRO >C28-C36	<10.0	10.0	09/14/2023	ND					

Surrogate: 1-Chlorooctane 86.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 100 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

H & R ENTERPRISES
 MICHAEL COLLIER
 1010 GAMBLIN ROAD
 HOBBS NM, 88240
 Fax To: NONE

Received: 09/12/2023
 Reported: 09/15/2023
 Project Name: FEDERAL 5 BATTERY
 Project Number: NOT GIVEN
 Project Location: EDDY COUNTY, NM

Sampling Date: 09/12/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: S - 24 2' (H234924-24)

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	09/14/2023	ND	1.89	94.6	2.00	3.13	
Toluene*	<0.050	0.050	09/14/2023	ND	2.04	102	2.00	6.74	
Ethylbenzene*	<0.050	0.050	09/14/2023	ND	2.15	108	2.00	7.06	
Total Xylenes*	<0.150	0.150	09/14/2023	ND	6.52	109	6.00	7.06	
Total BTEx	<0.300	0.300	09/14/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 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	09/14/2023	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	09/14/2023	ND	201	101	200	1.63	
DRO >C10-C28*	<10.0	10.0	09/14/2023	ND	202	101	200	0.318	
EXT DRO >C28-C36	<10.0	10.0	09/14/2023	ND					

Surrogate: 1-Chlorooctane 86.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.7 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

H & R ENTERPRISES
 MICHAEL COLLIER
 1010 GAMBLIN ROAD
 HOBBS NM, 88240
 Fax To: NONE

Received: 09/12/2023
 Reported: 09/15/2023
 Project Name: FEDERAL 5 BATTERY
 Project Number: NOT GIVEN
 Project Location: EDDY COUNTY, NM

Sampling Date: 09/12/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: S - 25 2' (H234924-25)

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	09/14/2023	ND	1.89	94.6	2.00	3.13		
Toluene*	<0.050	0.050	09/14/2023	ND	2.04	102	2.00	6.74		
Ethylbenzene*	<0.050	0.050	09/14/2023	ND	2.15	108	2.00	7.06		
Total Xylenes*	<0.150	0.150	09/14/2023	ND	6.52	109	6.00	7.06		
Total BTEX	<0.300	0.300	09/14/2023	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	09/14/2023	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	09/13/2023	ND	197	98.3	200	0.798	
DRO >C10-C28*	<10.0	10.0	09/13/2023	ND	211	105	200	2.43	
EXT DRO >C28-C36	<10.0	10.0	09/13/2023	ND					

Surrogate: 1-Chlorooctane 92.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.9 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

H & R ENTERPRISES
 MICHAEL COLLIER
 1010 GAMBLIN ROAD
 HOBBS NM, 88240
 Fax To: NONE

Received: 09/12/2023
 Reported: 09/15/2023
 Project Name: FEDERAL 5 BATTERY
 Project Number: NOT GIVEN
 Project Location: EDDY COUNTY, NM

Sampling Date: 09/12/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: S - 26 2' (H234924-26)

BTX 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	09/14/2023	ND	1.85	92.7	2.00	2.35		
Toluene*	<0.050	0.050	09/14/2023	ND	1.94	97.2	2.00	2.66		
Ethylbenzene*	<0.050	0.050	09/14/2023	ND	2.07	103	2.00	2.99		
Total Xylenes*	<0.150	0.150	09/14/2023	ND	6.27	105	6.00	2.77		
Total BTX	<0.300	0.300	09/14/2023	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	160	16.0	09/14/2023	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	09/14/2023	ND	197	98.3	200	0.798	
DRO >C10-C28*	<10.0	10.0	09/14/2023	ND	211	105	200	2.43	
EXT DRO >C28-C36	<10.0	10.0	09/14/2023	ND					

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 119 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

H & R ENTERPRISES
 MICHAEL COLLIER
 1010 GAMBLIN ROAD
 HOBBS NM, 88240
 Fax To: NONE

Received: 09/12/2023
 Reported: 09/15/2023
 Project Name: FEDERAL 5 BATTERY
 Project Number: NOT GIVEN
 Project Location: EDDY COUNTY, NM

Sampling Date: 09/12/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: S - 27 2' (H234924-27)

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	09/14/2023	ND	1.85	92.7	2.00	2.35		
Toluene*	<0.050	0.050	09/14/2023	ND	1.94	97.2	2.00	2.66		
Ethylbenzene*	<0.050	0.050	09/14/2023	ND	2.07	103	2.00	2.99		
Total Xylenes*	<0.150	0.150	09/14/2023	ND	6.27	105	6.00	2.77		
Total BTEx	<0.300	0.300	09/14/2023	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	09/14/2023	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	09/13/2023	ND	197	98.3	200	0.798	
DRO >C10-C28*	<10.0	10.0	09/13/2023	ND	211	105	200	2.43	
EXT DRO >C28-C36	<10.0	10.0	09/13/2023	ND					

Surrogate: 1-Chlorooctane 118 % 48.2-134

Surrogate: 1-Chlorooctadecane 126 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

H & R ENTERPRISES
 MICHAEL COLLIER
 1010 GAMBLIN ROAD
 HOBBS NM, 88240
 Fax To: NONE

Received: 09/12/2023
 Reported: 09/15/2023
 Project Name: FEDERAL 5 BATTERY
 Project Number: NOT GIVEN
 Project Location: EDDY COUNTY, NM

Sampling Date: 09/12/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: S - 28 2' (H234924-28)

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	09/14/2023	ND	1.85	92.7	2.00	2.35	
Toluene*	<0.050	0.050	09/14/2023	ND	1.94	97.2	2.00	2.66	
Ethylbenzene*	<0.050	0.050	09/14/2023	ND	2.07	103	2.00	2.99	
Total Xylenes*	<0.150	0.150	09/14/2023	ND	6.27	105	6.00	2.77	
Total BTEx	<0.300	0.300	09/14/2023	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	176	16.0	09/14/2023	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	09/14/2023	ND	197	98.3	200	0.798	
DRO >C10-C28*	<10.0	10.0	09/14/2023	ND	211	105	200	2.43	
EXT DRO >C28-C36	<10.0	10.0	09/14/2023	ND					

Surrogate: 1-Chlorooctane 107 % 48.2-134

Surrogate: 1-Chlorooctadecane 125 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

H & R ENTERPRISES
 MICHAEL COLLIER
 1010 GAMBLIN ROAD
 HOBBS NM, 88240
 Fax To: NONE

Received: 09/12/2023
 Reported: 09/15/2023
 Project Name: FEDERAL 5 BATTERY
 Project Number: NOT GIVEN
 Project Location: EDDY COUNTY, NM

Sampling Date: 09/12/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: S - 29 2' (H234924-29)

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	09/14/2023	ND	1.85	92.7	2.00	2.35	
Toluene*	<0.050	0.050	09/14/2023	ND	1.94	97.2	2.00	2.66	
Ethylbenzene*	<0.050	0.050	09/14/2023	ND	2.07	103	2.00	2.99	
Total Xylenes*	<0.150	0.150	09/14/2023	ND	6.27	105	6.00	2.77	
Total BTEx	<0.300	0.300	09/14/2023	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	160	16.0	09/14/2023	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	09/13/2023	ND	197	98.3	200	0.798	
DRO >C10-C28*	<10.0	10.0	09/13/2023	ND	211	105	200	2.43	
EXT DRO >C28-C36	<10.0	10.0	09/13/2023	ND					

Surrogate: 1-Chlorooctane 90.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

H & R ENTERPRISES
 MICHAEL COLLIER
 1010 GAMBLIN ROAD
 HOBBS NM, 88240
 Fax To: NONE

Received: 09/12/2023
 Reported: 09/15/2023
 Project Name: FEDERAL 5 BATTERY
 Project Number: NOT GIVEN
 Project Location: EDDY COUNTY, NM

Sampling Date: 09/12/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: S - 30 2' (H234924-30)

BTX 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	09/14/2023	ND	1.85	92.7	2.00	2.35		
Toluene*	<0.050	0.050	09/14/2023	ND	1.94	97.2	2.00	2.66		
Ethylbenzene*	<0.050	0.050	09/14/2023	ND	2.07	103	2.00	2.99		
Total Xylenes*	<0.150	0.150	09/14/2023	ND	6.27	105	6.00	2.77		
Total BTX	<0.300	0.300	09/14/2023	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	160	16.0	09/14/2023	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	09/13/2023	ND	197	98.3	200	0.798	
DRO >C10-C28*	<10.0	10.0	09/13/2023	ND	211	105	200	2.43	
EXT DRO >C28-C36	<10.0	10.0	09/13/2023	ND					

Surrogate: 1-Chlorooctane 93.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

H & R ENTERPRISES
 MICHAEL COLLIER
 1010 GAMBLIN ROAD
 HOBBS NM, 88240
 Fax To: NONE

Received: 09/12/2023
 Reported: 09/15/2023
 Project Name: FEDERAL 5 BATTERY
 Project Number: NOT GIVEN
 Project Location: EDDY COUNTY, NM

Sampling Date: 09/12/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: S - 31 3' (H234924-31)

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	09/14/2023	ND	1.85	92.7	2.00	2.35		
Toluene*	<0.050	0.050	09/14/2023	ND	1.94	97.2	2.00	2.66		
Ethylbenzene*	<0.050	0.050	09/14/2023	ND	2.07	103	2.00	2.99		
Total Xylenes*	<0.150	0.150	09/14/2023	ND	6.27	105	6.00	2.77		
Total BTEx	<0.300	0.300	09/14/2023	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	144	16.0	09/14/2023	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	09/13/2023	ND	197	98.3	200	0.798	
DRO >C10-C28*	<10.0	10.0	09/13/2023	ND	211	105	200	2.43	
EXT DRO >C28-C36	<10.0	10.0	09/13/2023	ND					

Surrogate: 1-Chlorooctane 92.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

H & R ENTERPRISES
 MICHAEL COLLIER
 1010 GAMBLIN ROAD
 HOBBS NM, 88240
 Fax To: NONE

Received: 09/12/2023
 Reported: 09/15/2023
 Project Name: FEDERAL 5 BATTERY
 Project Number: NOT GIVEN
 Project Location: EDDY COUNTY, NM

Sampling Date: 09/12/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: S - 32 3' (H234924-32)

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	09/14/2023	ND	1.85	92.7	2.00	2.35	
Toluene*	<0.050	0.050	09/14/2023	ND	1.94	97.2	2.00	2.66	
Ethylbenzene*	<0.050	0.050	09/14/2023	ND	2.07	103	2.00	2.99	
Total Xylenes*	<0.150	0.150	09/14/2023	ND	6.27	105	6.00	2.77	
Total BTEx	<0.300	0.300	09/14/2023	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	112	16.0	09/14/2023	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	09/13/2023	ND	197	98.3	200	0.798	
DRO >C10-C28*	<10.0	10.0	09/13/2023	ND	211	105	200	2.43	
EXT DRO >C28-C36	<10.0	10.0	09/13/2023	ND					

Surrogate: 1-Chlorooctane 92.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

H & R ENTERPRISES
 MICHAEL COLLIER
 1010 GAMBLIN ROAD
 HOBBS NM, 88240
 Fax To: NONE

Received: 09/12/2023
 Reported: 09/15/2023
 Project Name: FEDERAL 5 BATTERY
 Project Number: NOT GIVEN
 Project Location: EDDY COUNTY, NM

Sampling Date: 09/12/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: S - 33 3' (H234924-33)

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	09/14/2023	ND	1.85	92.7	2.00	2.35		
Toluene*	<0.050	0.050	09/14/2023	ND	1.94	97.2	2.00	2.66		
Ethylbenzene*	<0.050	0.050	09/14/2023	ND	2.07	103	2.00	2.99		
Total Xylenes*	<0.150	0.150	09/14/2023	ND	6.27	105	6.00	2.77		
Total BTEx	<0.300	0.300	09/14/2023	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	96.0	16.0	09/14/2023	ND	416	104	400	3.77	QM-07	

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	09/13/2023	ND	197	98.3	200	0.798	
DRO >C10-C28*	<10.0	10.0	09/13/2023	ND	211	105	200	2.43	
EXT DRO >C28-C36	<10.0	10.0	09/13/2023	ND					

Surrogate: 1-Chlorooctane 118 % 48.2-134

Surrogate: 1-Chlorooctadecane 136 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

H & R ENTERPRISES
 MICHAEL COLLIER
 1010 GAMBLIN ROAD
 HOBBS NM, 88240
 Fax To: NONE

Received: 09/12/2023
 Reported: 09/15/2023
 Project Name: FEDERAL 5 BATTERY
 Project Number: NOT GIVEN
 Project Location: EDDY COUNTY, NM

Sampling Date: 09/12/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: S - 34 3' (H234924-34)

BTX 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	09/14/2023	ND	1.85	92.7	2.00	2.35		
Toluene*	<0.050	0.050	09/14/2023	ND	1.94	97.2	2.00	2.66		
Ethylbenzene*	<0.050	0.050	09/14/2023	ND	2.07	103	2.00	2.99		
Total Xylenes*	<0.150	0.150	09/14/2023	ND	6.27	105	6.00	2.77		
Total BTX	<0.300	0.300	09/14/2023	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	128	16.0	09/14/2023	ND	416	104	400	3.77		

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	09/13/2023	ND	197	98.3	200	0.798	
DRO >C10-C28*	<10.0	10.0	09/13/2023	ND	211	105	200	2.43	
EXT DRO >C28-C36	<10.0	10.0	09/13/2023	ND					

Surrogate: 1-Chlorooctane 91.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

H & R ENTERPRISES
 MICHAEL COLLIER
 1010 GAMBLIN ROAD
 HOBBS NM, 88240
 Fax To: NONE

Received: 09/12/2023
 Reported: 09/15/2023
 Project Name: FEDERAL 5 BATTERY
 Project Number: NOT GIVEN
 Project Location: EDDY COUNTY, NM

Sampling Date: 09/12/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: S - 35 3' (H234924-35)

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	09/14/2023	ND	1.85	92.7	2.00	2.35		
Toluene*	<0.050	0.050	09/14/2023	ND	1.94	97.2	2.00	2.66		
Ethylbenzene*	<0.050	0.050	09/14/2023	ND	2.07	103	2.00	2.99		
Total Xylenes*	<0.150	0.150	09/14/2023	ND	6.27	105	6.00	2.77		
Total BTEx	<0.300	0.300	09/14/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 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	160	16.0	09/14/2023	ND	416	104	400	3.77	

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	09/14/2023	ND	197	98.3	200	0.798	
DRO >C10-C28*	<10.0	10.0	09/14/2023	ND	211	105	200	2.43	
EXT DRO >C28-C36	<10.0	10.0	09/14/2023	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 119 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

H & R ENTERPRISES
 MICHAEL COLLIER
 1010 GAMBLIN ROAD
 HOBBS NM, 88240
 Fax To: NONE

Received: 09/12/2023
 Reported: 09/15/2023
 Project Name: FEDERAL 5 BATTERY
 Project Number: NOT GIVEN
 Project Location: EDDY COUNTY, NM

Sampling Date: 09/12/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: S - 36 3' (H234924-36)

BTX 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	09/14/2023	ND	1.85	92.7	2.00	2.35		
Toluene*	<0.050	0.050	09/14/2023	ND	1.94	97.2	2.00	2.66		
Ethylbenzene*	<0.050	0.050	09/14/2023	ND	2.07	103	2.00	2.99		
Total Xylenes*	<0.150	0.150	09/14/2023	ND	6.27	105	6.00	2.77		
Total BTX	<0.300	0.300	09/14/2023	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	144	16.0	09/14/2023	ND	416	104	400	3.77		

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	09/13/2023	ND	197	98.3	200	0.798	
DRO >C10-C28*	<10.0	10.0	09/13/2023	ND	211	105	200	2.43	
EXT DRO >C28-C36	<10.0	10.0	09/13/2023	ND					

Surrogate: 1-Chlorooctane 88.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

H & R ENTERPRISES
 MICHAEL COLLIER
 1010 GAMBLIN ROAD
 HOBBS NM, 88240
 Fax To: NONE

Received: 09/12/2023
 Reported: 09/15/2023
 Project Name: FEDERAL 5 BATTERY
 Project Number: NOT GIVEN
 Project Location: EDDY COUNTY, NM

Sampling Date: 09/12/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: S - 37 3' (H234924-37)

BTX 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	09/14/2023	ND	1.85	92.7	2.00	2.35		
Toluene*	<0.050	0.050	09/14/2023	ND	1.94	97.2	2.00	2.66		
Ethylbenzene*	<0.050	0.050	09/14/2023	ND	2.07	103	2.00	2.99		
Total Xylenes*	<0.150	0.150	09/14/2023	ND	6.27	105	6.00	2.77		
Total BTX	<0.300	0.300	09/14/2023	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	128	16.0	09/14/2023	ND	416	104	400	3.77		

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	09/14/2023	ND	197	98.3	200	0.798	
DRO >C10-C28*	<10.0	10.0	09/14/2023	ND	211	105	200	2.43	
EXT DRO >C28-C36	<10.0	10.0	09/14/2023	ND					

Surrogate: 1-Chlorooctane 94.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 114 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

H & R ENTERPRISES
 MICHAEL COLLIER
 1010 GAMBLIN ROAD
 HOBBS NM, 88240
 Fax To: NONE

Received: 09/12/2023
 Reported: 09/15/2023
 Project Name: FEDERAL 5 BATTERY
 Project Number: NOT GIVEN
 Project Location: EDDY COUNTY, NM

Sampling Date: 09/12/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: S - 38 3' (H234924-38)

BTX 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	09/15/2023	ND	1.85	92.7	2.00	2.35		
Toluene*	<0.050	0.050	09/15/2023	ND	1.94	97.2	2.00	2.66		
Ethylbenzene*	<0.050	0.050	09/15/2023	ND	2.07	103	2.00	2.99		
Total Xylenes*	<0.150	0.150	09/15/2023	ND	6.27	105	6.00	2.77		
Total BTX	<0.300	0.300	09/15/2023	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	160	16.0	09/14/2023	ND	416	104	400	3.77		

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	09/14/2023	ND	197	98.3	200	0.798	
DRO >C10-C28*	<10.0	10.0	09/14/2023	ND	211	105	200	2.43	
EXT DRO >C28-C36	<10.0	10.0	09/14/2023	ND					

Surrogate: 1-Chlorooctane 89.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

H & R ENTERPRISES
 MICHAEL COLLIER
 1010 GAMBLIN ROAD
 HOBBS NM, 88240
 Fax To: NONE

Received: 09/12/2023
 Reported: 09/15/2023
 Project Name: FEDERAL 5 BATTERY
 Project Number: NOT GIVEN
 Project Location: EDDY COUNTY, NM

Sampling Date: 09/12/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: S - 39 4' (H234924-39)

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	09/15/2023	ND	1.85	92.7	2.00	2.35	
Toluene*	<0.050	0.050	09/15/2023	ND	1.94	97.2	2.00	2.66	
Ethylbenzene*	<0.050	0.050	09/15/2023	ND	2.07	103	2.00	2.99	
Total Xylenes*	<0.150	0.150	09/15/2023	ND	6.27	105	6.00	2.77	
Total BTEx	<0.300	0.300	09/15/2023	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	112	16.0	09/14/2023	ND	416	104	400	3.77		

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	09/14/2023	ND	197	98.3	200	0.798	
DRO >C10-C28*	<10.0	10.0	09/14/2023	ND	211	105	200	2.43	
EXT DRO >C28-C36	<10.0	10.0	09/14/2023	ND					

Surrogate: 1-Chlorooctane 91.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.4 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

H & R ENTERPRISES
 MICHAEL COLLIER
 1010 GAMBLIN ROAD
 HOBBS NM, 88240
 Fax To: NONE

Received: 09/12/2023
 Reported: 09/15/2023
 Project Name: FEDERAL 5 BATTERY
 Project Number: NOT GIVEN
 Project Location: EDDY COUNTY, NM

Sampling Date: 09/12/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: S - 40 4' (H234924-40)

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	09/15/2023	ND	1.85	92.7	2.00	2.35		
Toluene*	<0.050	0.050	09/15/2023	ND	1.94	97.2	2.00	2.66		
Ethylbenzene*	<0.050	0.050	09/15/2023	ND	2.07	103	2.00	2.99		
Total Xylenes*	<0.150	0.150	09/15/2023	ND	6.27	105	6.00	2.77		
Total BTEx	<0.300	0.300	09/15/2023	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	128	16.0	09/14/2023	ND	416	104	400	3.77		

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	09/14/2023	ND	197	98.3	200	0.798	
DRO >C10-C28*	<10.0	10.0	09/14/2023	ND	211	105	200	2.43	
EXT DRO >C28-C36	<10.0	10.0	09/14/2023	ND					

Surrogate: 1-Chlorooctane 114 % 48.2-134

Surrogate: 1-Chlorooctadecane 128 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

H & R ENTERPRISES
 MICHAEL COLLIER
 1010 GAMBLIN ROAD
 HOBBS NM, 88240
 Fax To: NONE

Received: 09/12/2023
 Reported: 09/15/2023
 Project Name: FEDERAL 5 BATTERY
 Project Number: NOT GIVEN
 Project Location: EDDY COUNTY, NM

Sampling Date: 09/12/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: S - 41 4' (H234924-41)

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	09/15/2023	ND	1.85	92.7	2.00	2.35	
Toluene*	<0.050	0.050	09/15/2023	ND	1.94	97.2	2.00	2.66	
Ethylbenzene*	<0.050	0.050	09/15/2023	ND	2.07	103	2.00	2.99	
Total Xylenes*	<0.150	0.150	09/15/2023	ND	6.27	105	6.00	2.77	
Total BTEx	<0.300	0.300	09/15/2023	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	144	16.0	09/14/2023	ND	416	104	400	3.77	

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	09/14/2023	ND	197	98.3	200	0.798	
DRO >C10-C28*	<10.0	10.0	09/14/2023	ND	211	105	200	2.43	
EXT DRO >C28-C36	<10.0	10.0	09/14/2023	ND					

Surrogate: 1-Chlorooctane 92.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

H & R ENTERPRISES
 MICHAEL COLLIER
 1010 GAMBLIN ROAD
 HOBBS NM, 88240
 Fax To: NONE

Received: 09/12/2023
 Reported: 09/15/2023
 Project Name: FEDERAL 5 BATTERY
 Project Number: NOT GIVEN
 Project Location: EDDY COUNTY, NM

Sampling Date: 09/12/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: S - 42 4' (H234924-42)

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	09/15/2023	ND	1.85	92.7	2.00	2.35	
Toluene*	<0.050	0.050	09/15/2023	ND	1.94	97.2	2.00	2.66	
Ethylbenzene*	<0.050	0.050	09/15/2023	ND	2.07	103	2.00	2.99	
Total Xylenes*	<0.150	0.150	09/15/2023	ND	6.27	105	6.00	2.77	
Total BTEx	<0.300	0.300	09/15/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 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	09/14/2023	ND	416	104	400	3.77	

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	09/14/2023	ND	197	98.3	200	0.798	
DRO >C10-C28*	<10.0	10.0	09/14/2023	ND	211	105	200	2.43	
EXT DRO >C28-C36	<10.0	10.0	09/14/2023	ND					

Surrogate: 1-Chlorooctane 115 % 48.2-134

Surrogate: 1-Chlorooctadecane 129 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

H & R ENTERPRISES
 MICHAEL COLLIER
 1010 GAMBLIN ROAD
 HOBBS NM, 88240
 Fax To: NONE

Received: 09/12/2023
 Reported: 09/15/2023
 Project Name: FEDERAL 5 BATTERY
 Project Number: NOT GIVEN
 Project Location: EDDY COUNTY, NM

Sampling Date: 09/12/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: S - 43 4' (H234924-43)

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	09/15/2023	ND	1.85	92.7	2.00	2.35	
Toluene*	<0.050	0.050	09/15/2023	ND	1.94	97.2	2.00	2.66	
Ethylbenzene*	<0.050	0.050	09/15/2023	ND	2.07	103	2.00	2.99	
Total Xylenes*	<0.150	0.150	09/15/2023	ND	6.27	105	6.00	2.77	
Total BTEx	<0.300	0.300	09/15/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 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	09/14/2023	ND	416	104	400	3.77	

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	09/14/2023	ND	197	98.3	200	0.798	
DRO >C10-C28*	<10.0	10.0	09/14/2023	ND	211	105	200	2.43	
EXT DRO >C28-C36	<10.0	10.0	09/14/2023	ND					

Surrogate: 1-Chlorooctane 97.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

H & R ENTERPRISES
 MICHAEL COLLIER
 1010 GAMBLIN ROAD
 HOBBS NM, 88240
 Fax To: NONE

Received: 09/12/2023
 Reported: 09/15/2023
 Project Name: FEDERAL 5 BATTERY
 Project Number: NOT GIVEN
 Project Location: EDDY COUNTY, NM

Sampling Date: 09/12/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: S - 44 4' (H234924-44)

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	09/15/2023	ND	1.85	92.7	2.00	2.35		
Toluene*	<0.050	0.050	09/15/2023	ND	1.94	97.2	2.00	2.66		
Ethylbenzene*	<0.050	0.050	09/15/2023	ND	2.07	103	2.00	2.99		
Total Xylenes*	<0.150	0.150	09/15/2023	ND	6.27	105	6.00	2.77		
Total BTEx	<0.300	0.300	09/15/2023	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	144	16.0	09/14/2023	ND	416	104	400	3.77	

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	09/14/2023	ND	197	98.3	200	0.798	
DRO >C10-C28*	<10.0	10.0	09/14/2023	ND	211	105	200	2.43	
EXT DRO >C28-C36	<10.0	10.0	09/14/2023	ND					

Surrogate: 1-Chlorooctane 90.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.2 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

H & R ENTERPRISES
 MICHAEL COLLIER
 1010 GAMBLIN ROAD
 HOBBS NM, 88240
 Fax To: NONE

Received: 09/12/2023
 Reported: 09/15/2023
 Project Name: FEDERAL 5 BATTERY
 Project Number: NOT GIVEN
 Project Location: EDDY COUNTY, NM

Sampling Date: 09/12/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: S - 45 4' (H234924-45)

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	09/15/2023	ND	1.85	92.7	2.00	2.35	
Toluene*	<0.050	0.050	09/15/2023	ND	1.94	97.2	2.00	2.66	
Ethylbenzene*	<0.050	0.050	09/15/2023	ND	2.07	103	2.00	2.99	
Total Xylenes*	<0.150	0.150	09/15/2023	ND	6.27	105	6.00	2.77	
Total BTEx	<0.300	0.300	09/15/2023	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	128	16.0	09/14/2023	ND	416	104	400	3.77		

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	09/13/2023	ND	175	87.3	200	2.61	
DRO >C10-C28*	<10.0	10.0	09/13/2023	ND	190	95.0	200	0.757	
EXT DRO >C28-C36	<10.0	10.0	09/13/2023	ND					

Surrogate: 1-Chlorooctane 91.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 119 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

H & R ENTERPRISES
 MICHAEL COLLIER
 1010 GAMBLIN ROAD
 HOBBS NM, 88240
 Fax To: NONE

Received: 09/12/2023
 Reported: 09/15/2023
 Project Name: FEDERAL 5 BATTERY
 Project Number: NOT GIVEN
 Project Location: EDDY COUNTY, NM

Sampling Date: 09/12/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: S - 46 4' (H234924-46)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/15/2023	ND	2.04	102	2.00	3.62	
Toluene*	<0.050	0.050	09/15/2023	ND	2.08	104	2.00	3.37	
Ethylbenzene*	<0.050	0.050	09/15/2023	ND	2.02	101	2.00	3.44	
Total Xylenes*	<0.150	0.150	09/15/2023	ND	6.04	101	6.00	2.66	
Total BTEx	<0.300	0.300	09/15/2023	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	128	16.0	09/14/2023	ND	416	104	400	3.77		

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	09/13/2023	ND	175	87.3	200	2.61	
DRO >C10-C28*	<10.0	10.0	09/13/2023	ND	190	95.0	200	0.757	
EXT DRO >C28-C36	<10.0	10.0	09/13/2023	ND					

Surrogate: 1-Chlorooctane 91.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 122 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

H & R ENTERPRISES
 MICHAEL COLLIER
 1010 GAMBLIN ROAD
 HOBBS NM, 88240
 Fax To: NONE

Received: 09/12/2023
 Reported: 09/15/2023
 Project Name: FEDERAL 5 BATTERY
 Project Number: NOT GIVEN
 Project Location: EDDY COUNTY, NM

Sampling Date: 09/12/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: S - 47 4' (H234924-47)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/15/2023	ND	2.04	102	2.00	3.62	
Toluene*	<0.050	0.050	09/15/2023	ND	2.08	104	2.00	3.37	
Ethylbenzene*	<0.050	0.050	09/15/2023	ND	2.02	101	2.00	3.44	
Total Xylenes*	<0.150	0.150	09/15/2023	ND	6.04	101	6.00	2.66	
Total BTEx	<0.300	0.300	09/15/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 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	09/14/2023	ND	416	104	400	3.77		

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	09/13/2023	ND	175	87.3	200	2.61	
DRO >C10-C28*	<10.0	10.0	09/13/2023	ND	190	95.0	200	0.757	
EXT DRO >C28-C36	<10.0	10.0	09/13/2023	ND					

Surrogate: 1-Chlorooctane 87.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 115 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

H & R ENTERPRISES
 MICHAEL COLLIER
 1010 GAMBLIN ROAD
 HOBBS NM, 88240
 Fax To: NONE

Received: 09/12/2023
 Reported: 09/15/2023
 Project Name: FEDERAL 5 BATTERY
 Project Number: NOT GIVEN
 Project Location: EDDY COUNTY, NM

Sampling Date: 09/12/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: S - 48 4' (H234924-48)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/15/2023	ND	2.04	102	2.00	3.62	
Toluene*	<0.050	0.050	09/15/2023	ND	2.08	104	2.00	3.37	
Ethylbenzene*	<0.050	0.050	09/15/2023	ND	2.02	101	2.00	3.44	
Total Xylenes*	<0.150	0.150	09/15/2023	ND	6.04	101	6.00	2.66	
Total BTX	<0.300	0.300	09/15/2023	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	128	16.0	09/14/2023	ND	416	104	400	3.77		

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	09/13/2023	ND	175	87.3	200	2.61	
DRO >C10-C28*	<10.0	10.0	09/13/2023	ND	190	95.0	200	0.757	
EXT DRO >C28-C36	<10.0	10.0	09/13/2023	ND					

Surrogate: 1-Chlorooctane 85.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 114 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

H & R ENTERPRISES
 MICHAEL COLLIER
 1010 GAMBLIN ROAD
 HOBBS NM, 88240
 Fax To: NONE

Received: 09/12/2023
 Reported: 09/15/2023
 Project Name: FEDERAL 5 BATTERY
 Project Number: NOT GIVEN
 Project Location: EDDY COUNTY, NM

Sampling Date: 09/12/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: SW - 1 4' (H234924-49)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/15/2023	ND	2.04	102	2.00	3.62	
Toluene*	<0.050	0.050	09/15/2023	ND	2.08	104	2.00	3.37	
Ethylbenzene*	<0.050	0.050	09/15/2023	ND	2.02	101	2.00	3.44	
Total Xylenes*	<0.150	0.150	09/15/2023	ND	6.04	101	6.00	2.66	
Total BTEx	<0.300	0.300	09/15/2023	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	112	16.0	09/14/2023	ND	416	104	400	3.77	

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	09/13/2023	ND	175	87.3	200	2.61	
DRO >C10-C28*	<10.0	10.0	09/13/2023	ND	190	95.0	200	0.757	
EXT DRO >C28-C36	<10.0	10.0	09/13/2023	ND					

Surrogate: 1-Chlorooctane 89.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 119 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

H & R ENTERPRISES
 MICHAEL COLLIER
 1010 GAMBLIN ROAD
 HOBBS NM, 88240
 Fax To: NONE

Received: 09/12/2023
 Reported: 09/15/2023
 Project Name: FEDERAL 5 BATTERY
 Project Number: NOT GIVEN
 Project Location: EDDY COUNTY, NM

Sampling Date: 09/12/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: SW - 2 4' (H234924-50)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/15/2023	ND	2.04	102	2.00	3.62	
Toluene*	<0.050	0.050	09/15/2023	ND	2.08	104	2.00	3.37	
Ethylbenzene*	<0.050	0.050	09/15/2023	ND	2.02	101	2.00	3.44	
Total Xylenes*	<0.150	0.150	09/15/2023	ND	6.04	101	6.00	2.66	
Total BTEx	<0.300	0.300	09/15/2023	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	09/14/2023	ND	416	104	400	3.77	

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	09/13/2023	ND	175	87.3	200	2.61	
DRO >C10-C28*	<10.0	10.0	09/13/2023	ND	190	95.0	200	0.757	
EXT DRO >C28-C36	<10.0	10.0	09/13/2023	ND					

Surrogate: 1-Chlorooctane 87.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 115 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

H & R ENTERPRISES
 MICHAEL COLLIER
 1010 GAMBLIN ROAD
 HOBBS NM, 88240
 Fax To: NONE

Received: 09/12/2023
 Reported: 09/15/2023
 Project Name: FEDERAL 5 BATTERY
 Project Number: NOT GIVEN
 Project Location: EDDY COUNTY, NM

Sampling Date: 09/12/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: SW - 3 4' (H234924-51)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/15/2023	ND	2.04	102	2.00	3.62		
Toluene*	<0.050	0.050	09/15/2023	ND	2.08	104	2.00	3.37		
Ethylbenzene*	<0.050	0.050	09/15/2023	ND	2.02	101	2.00	3.44		
Total Xylenes*	<0.150	0.150	09/15/2023	ND	6.04	101	6.00	2.66		
Total BTEx	<0.300	0.300	09/15/2023	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	144	16.0	09/14/2023	ND	416	104	400	3.77	

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	09/13/2023	ND	175	87.3	200	2.61	
DRO >C10-C28*	<10.0	10.0	09/13/2023	ND	190	95.0	200	0.757	
EXT DRO >C28-C36	<10.0	10.0	09/13/2023	ND					

Surrogate: 1-Chlorooctane 92.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 121 % 49.1-148

Cardinal Laboratories

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

H & R ENTERPRISES
 MICHAEL COLLIER
 1010 GAMBLIN ROAD
 HOBBS NM, 88240
 Fax To: NONE

Received: 09/12/2023
 Reported: 09/15/2023
 Project Name: FEDERAL 5 BATTERY
 Project Number: NOT GIVEN
 Project Location: EDDY COUNTY, NM

Sampling Date: 09/12/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: SW - 4 4' (H234924-52)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/15/2023	ND	2.04	102	2.00	3.62	
Toluene*	<0.050	0.050	09/15/2023	ND	2.08	104	2.00	3.37	
Ethylbenzene*	<0.050	0.050	09/15/2023	ND	2.02	101	2.00	3.44	
Total Xylenes*	<0.150	0.150	09/15/2023	ND	6.04	101	6.00	2.66	
Total BTX	<0.300	0.300	09/15/2023	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	09/14/2023	ND	416	104	400	3.77	

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	09/13/2023	ND	175	87.3	200	2.61	
DRO >C10-C28*	<10.0	10.0	09/13/2023	ND	190	95.0	200	0.757	
EXT DRO >C28-C36	<10.0	10.0	09/13/2023	ND					

Surrogate: 1-Chlorooctane 91.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 119 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

H & R ENTERPRISES
 MICHAEL COLLIER
 1010 GAMBLIN ROAD
 HOBBS NM, 88240
 Fax To: NONE

Received: 09/12/2023
 Reported: 09/15/2023
 Project Name: FEDERAL 5 BATTERY
 Project Number: NOT GIVEN
 Project Location: EDDY COUNTY, NM

Sampling Date: 09/12/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: SW - 5 4' (H234924-53)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/15/2023	ND	2.04	102	2.00	3.62	
Toluene*	<0.050	0.050	09/15/2023	ND	2.08	104	2.00	3.37	
Ethylbenzene*	<0.050	0.050	09/15/2023	ND	2.02	101	2.00	3.44	
Total Xylenes*	<0.150	0.150	09/15/2023	ND	6.04	101	6.00	2.66	
Total BTEx	<0.300	0.300	09/15/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 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	09/14/2023	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	09/13/2023	ND	175	87.3	200	2.61	
DRO >C10-C28*	<10.0	10.0	09/13/2023	ND	190	95.0	200	0.757	
EXT DRO >C28-C36	<10.0	10.0	09/13/2023	ND					

Surrogate: 1-Chlorooctane 89.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 116 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

H & R ENTERPRISES
 MICHAEL COLLIER
 1010 GAMBLIN ROAD
 HOBBS NM, 88240
 Fax To: NONE

Received: 09/12/2023
 Reported: 09/15/2023
 Project Name: FEDERAL 5 BATTERY
 Project Number: NOT GIVEN
 Project Location: EDDY COUNTY, NM

Sampling Date: 09/12/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: SW - 6 2' (H234924-54)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/15/2023	ND	2.04	102	2.00	3.62		
Toluene*	<0.050	0.050	09/15/2023	ND	2.08	104	2.00	3.37		
Ethylbenzene*	<0.050	0.050	09/15/2023	ND	2.02	101	2.00	3.44		
Total Xylenes*	<0.150	0.150	09/15/2023	ND	6.04	101	6.00	2.66		
Total BTEx	<0.300	0.300	09/15/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 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	09/14/2023	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	09/13/2023	ND	175	87.3	200	2.61	
DRO >C10-C28*	<10.0	10.0	09/13/2023	ND	190	95.0	200	0.757	
EXT DRO >C28-C36	<10.0	10.0	09/13/2023	ND					

Surrogate: 1-Chlorooctane 94.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 120 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

H & R ENTERPRISES
 MICHAEL COLLIER
 1010 GAMBLIN ROAD
 HOBBS NM, 88240
 Fax To: NONE

Received: 09/12/2023
 Reported: 09/15/2023
 Project Name: FEDERAL 5 BATTERY
 Project Number: NOT GIVEN
 Project Location: EDDY COUNTY, NM

Sampling Date: 09/12/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: SW - 7 2' (H234924-55)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/15/2023	ND	2.04	102	2.00	3.62	
Toluene*	<0.050	0.050	09/15/2023	ND	2.08	104	2.00	3.37	
Ethylbenzene*	<0.050	0.050	09/15/2023	ND	2.02	101	2.00	3.44	
Total Xylenes*	<0.150	0.150	09/15/2023	ND	6.04	101	6.00	2.66	
Total BTEx	<0.300	0.300	09/15/2023	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	09/14/2023	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	09/13/2023	ND	175	87.3	200	2.61	
DRO >C10-C28*	<10.0	10.0	09/13/2023	ND	190	95.0	200	0.757	
EXT DRO >C28-C36	<10.0	10.0	09/13/2023	ND					

Surrogate: 1-Chlorooctane 94.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 121 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

H & R ENTERPRISES
 MICHAEL COLLIER
 1010 GAMBLIN ROAD
 HOBBS NM, 88240
 Fax To: NONE

Received: 09/12/2023
 Reported: 09/15/2023
 Project Name: FEDERAL 5 BATTERY
 Project Number: NOT GIVEN
 Project Location: EDDY COUNTY, NM

Sampling Date: 09/12/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: SW - 8 2' (H234924-56)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/15/2023	ND	2.04	102	2.00	3.62	
Toluene*	<0.050	0.050	09/15/2023	ND	2.08	104	2.00	3.37	
Ethylbenzene*	<0.050	0.050	09/15/2023	ND	2.02	101	2.00	3.44	
Total Xylenes*	<0.150	0.150	09/15/2023	ND	6.04	101	6.00	2.66	
Total BTEx	<0.300	0.300	09/15/2023	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	144	16.0	09/14/2023	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	09/14/2023	ND	175	87.3	200	2.61	
DRO >C10-C28*	<10.0	10.0	09/14/2023	ND	190	95.0	200	0.757	
EXT DRO >C28-C36	<10.0	10.0	09/14/2023	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 139 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

H & R ENTERPRISES
 MICHAEL COLLIER
 1010 GAMBLIN ROAD
 HOBBS NM, 88240
 Fax To: NONE

Received: 09/12/2023
 Reported: 09/15/2023
 Project Name: FEDERAL 5 BATTERY
 Project Number: NOT GIVEN
 Project Location: EDDY COUNTY, NM

Sampling Date: 09/12/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: SW - 9 2' (H234924-57)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/15/2023	ND	2.04	102	2.00	3.62		
Toluene*	<0.050	0.050	09/15/2023	ND	2.08	104	2.00	3.37		
Ethylbenzene*	<0.050	0.050	09/15/2023	ND	2.02	101	2.00	3.44		
Total Xylenes*	<0.150	0.150	09/15/2023	ND	6.04	101	6.00	2.66		
Total BTEx	<0.300	0.300	09/15/2023	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	09/14/2023	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	09/14/2023	ND	175	87.3	200	2.61	
DRO >C10-C28*	<10.0	10.0	09/14/2023	ND	190	95.0	200	0.757	
EXT DRO >C28-C36	<10.0	10.0	09/14/2023	ND					

Surrogate: 1-Chlorooctane 90.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 119 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

H & R ENTERPRISES
 MICHAEL COLLIER
 1010 GAMBLIN ROAD
 HOBBS NM, 88240
 Fax To: NONE

Received: 09/12/2023
 Reported: 09/15/2023
 Project Name: FEDERAL 5 BATTERY
 Project Number: NOT GIVEN
 Project Location: EDDY COUNTY, NM

Sampling Date: 09/12/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: SW - 10 3' (H234924-58)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/15/2023	ND	2.04	102	2.00	3.62	
Toluene*	<0.050	0.050	09/15/2023	ND	2.08	104	2.00	3.37	
Ethylbenzene*	<0.050	0.050	09/15/2023	ND	2.02	101	2.00	3.44	
Total Xylenes*	<0.150	0.150	09/15/2023	ND	6.04	101	6.00	2.66	
Total BTEX	<0.300	0.300	09/15/2023	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	176	16.0	09/14/2023	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	09/14/2023	ND	175	87.3	200	2.61	
DRO >C10-C28*	<10.0	10.0	09/14/2023	ND	190	95.0	200	0.757	
EXT DRO >C28-C36	<10.0	10.0	09/14/2023	ND					

Surrogate: 1-Chlorooctane 93.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 125 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

H & R ENTERPRISES
 MICHAEL COLLIER
 1010 GAMBLIN ROAD
 HOBBS NM, 88240
 Fax To: NONE

Received: 09/12/2023
 Reported: 09/15/2023
 Project Name: FEDERAL 5 BATTERY
 Project Number: NOT GIVEN
 Project Location: EDDY COUNTY, NM

Sampling Date: 09/12/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: SW - 11 3' (H234924-59)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/15/2023	ND	2.04	102	2.00	3.62		
Toluene*	<0.050	0.050	09/15/2023	ND	2.08	104	2.00	3.37		
Ethylbenzene*	<0.050	0.050	09/15/2023	ND	2.02	101	2.00	3.44		
Total Xylenes*	<0.150	0.150	09/15/2023	ND	6.04	101	6.00	2.66		
Total BTEx	<0.300	0.300	09/15/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 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	224	16.0	09/14/2023	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	09/14/2023	ND	175	87.3	200	2.61	
DRO >C10-C28*	<10.0	10.0	09/14/2023	ND	190	95.0	200	0.757	
EXT DRO >C28-C36	<10.0	10.0	09/14/2023	ND					

Surrogate: 1-Chlorooctane 96.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 130 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

H & R ENTERPRISES
 MICHAEL COLLIER
 1010 GAMBLIN ROAD
 HOBBS NM, 88240
 Fax To: NONE

Received: 09/12/2023
 Reported: 09/15/2023
 Project Name: FEDERAL 5 BATTERY
 Project Number: NOT GIVEN
 Project Location: EDDY COUNTY, NM

Sampling Date: 09/12/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: SW - 12 3' (H234924-60)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/15/2023	ND	2.04	102	2.00	3.62		
Toluene*	<0.050	0.050	09/15/2023	ND	2.08	104	2.00	3.37		
Ethylbenzene*	<0.050	0.050	09/15/2023	ND	2.02	101	2.00	3.44		
Total Xylenes*	<0.150	0.150	09/15/2023	ND	6.04	101	6.00	2.66		
Total BTEx	<0.300	0.300	09/15/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 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	176	16.0	09/14/2023	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	09/14/2023	ND	175	87.3	200	2.61	
DRO >C10-C28*	<10.0	10.0	09/14/2023	ND	190	95.0	200	0.757	
EXT DRO >C28-C36	<10.0	10.0	09/14/2023	ND					

Surrogate: 1-Chlorooctane 89.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 116 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

H & R ENTERPRISES
 MICHAEL COLLIER
 1010 GAMBLIN ROAD
 HOBBS NM, 88240
 Fax To: NONE

Received: 09/12/2023
 Reported: 09/15/2023
 Project Name: FEDERAL 5 BATTERY
 Project Number: NOT GIVEN
 Project Location: EDDY COUNTY, NM

Sampling Date: 09/12/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: SW - 13 4' (H234924-61)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/15/2023	ND	2.04	102	2.00	3.62		
Toluene*	<0.050	0.050	09/15/2023	ND	2.08	104	2.00	3.37		
Ethylbenzene*	<0.050	0.050	09/15/2023	ND	2.02	101	2.00	3.44		
Total Xylenes*	<0.150	0.150	09/15/2023	ND	6.04	101	6.00	2.66		
Total BTEx	<0.300	0.300	09/15/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 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	208	16.0	09/14/2023	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	09/14/2023	ND	175	87.3	200	2.61	
DRO >C10-C28*	<10.0	10.0	09/14/2023	ND	190	95.0	200	0.757	
EXT DRO >C28-C36	<10.0	10.0	09/14/2023	ND					

Surrogate: 1-Chlorooctane 91.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 119 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

H & R ENTERPRISES
 MICHAEL COLLIER
 1010 GAMBLIN ROAD
 HOBBS NM, 88240
 Fax To: NONE

Received: 09/12/2023
 Reported: 09/15/2023
 Project Name: FEDERAL 5 BATTERY
 Project Number: NOT GIVEN
 Project Location: EDDY COUNTY, NM

Sampling Date: 09/12/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: SW - 14 4' (H234924-62)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/15/2023	ND	2.04	102	2.00	3.62	
Toluene*	<0.050	0.050	09/15/2023	ND	2.08	104	2.00	3.37	
Ethylbenzene*	<0.050	0.050	09/15/2023	ND	2.02	101	2.00	3.44	
Total Xylenes*	<0.150	0.150	09/15/2023	ND	6.04	101	6.00	2.66	
Total BTEx	<0.300	0.300	09/15/2023	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	144	16.0	09/14/2023	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	09/14/2023	ND	175	87.3	200	2.61	
DRO >C10-C28*	<10.0	10.0	09/14/2023	ND	190	95.0	200	0.757	
EXT DRO >C28-C36	<10.0	10.0	09/14/2023	ND					

Surrogate: 1-Chlorooctane 93.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 121 % 49.1-148

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

Analytical Results For:

H & R ENTERPRISES
 MICHAEL COLLIER
 1010 GAMBLIN ROAD
 HOBBS NM, 88240
 Fax To: NONE

Received: 09/12/2023
 Reported: 09/15/2023
 Project Name: FEDERAL 5 BATTERY
 Project Number: NOT GIVEN
 Project Location: EDDY COUNTY, NM

Sampling Date: 09/12/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: SW - 15 4' (H234924-63)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/15/2023	ND	2.04	102	2.00	3.62		
Toluene*	<0.050	0.050	09/15/2023	ND	2.08	104	2.00	3.37		
Ethylbenzene*	<0.050	0.050	09/15/2023	ND	2.02	101	2.00	3.44		
Total Xylenes*	<0.150	0.150	09/15/2023	ND	6.04	101	6.00	2.66		
Total BTEx	<0.300	0.300	09/15/2023	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	09/14/2023	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	09/14/2023	ND	175	87.3	200	2.61	
DRO >C10-C28*	<10.0	10.0	09/14/2023	ND	190	95.0	200	0.757	
EXT DRO >C28-C36	<10.0	10.0	09/14/2023	ND					

Surrogate: 1-Chlorooctane 94.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 128 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

H & R ENTERPRISES
 MICHAEL COLLIER
 1010 GAMBLIN ROAD
 HOBBS NM, 88240
 Fax To: NONE

Received: 09/12/2023
 Reported: 09/15/2023
 Project Name: FEDERAL 5 BATTERY
 Project Number: NOT GIVEN
 Project Location: EDDY COUNTY, NM

Sampling Date: 09/12/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: SW - 16 3-4' (H234924-64)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/15/2023	ND	2.04	102	2.00	3.62	
Toluene*	<0.050	0.050	09/15/2023	ND	2.08	104	2.00	3.37	
Ethylbenzene*	<0.050	0.050	09/15/2023	ND	2.02	101	2.00	3.44	
Total Xylenes*	<0.150	0.150	09/15/2023	ND	6.04	101	6.00	2.66	
Total BTEX	<0.300	0.300	09/15/2023	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	09/14/2023	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	09/14/2023	ND	175	87.3	200	2.61	
DRO >C10-C28*	<10.0	10.0	09/14/2023	ND	190	95.0	200	0.757	
EXT DRO >C28-C36	<10.0	10.0	09/14/2023	ND					

Surrogate: 1-Chlorooctane 95.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 123 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

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Notes and Definitions

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

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A handwritten signature in black ink, appearing to read "Mike Snyder", is written over a horizontal line.

Mike Snyder For 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

BILL TO

ANALYSIS REQUEST

P.O. #:

Company:

Attn:

Address:

City:

State: Zip:

Phone #:

Fax #:

Company Name:

Project Manager:

Address:

City: State: Zip:

Phone #: Fax #:

Project #:

Project Name:

Project Location:

Sample Name:

Lab I.D.

Sample I.D.

(G)RAB OR (C)OMP.

CONTAINERS

GROUNDWATER

WASTEWATER

SOIL

OIL

SLUDGE

OTHER :

ACID/BASE:

ICE / COOL

OTHER :

DATE

TIME

BTEX

TPH

Chlorides

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Relinquished By:

Date:

Time:

Date:

Time:

Received By:

Date:

Time:

Remarks:

Turnaround Time:

Standard

Sample Condition

Observed Temp. °C

Corrected Temp. °C

Relinquished By:

Date:

Time:

Date:

Time:

Received By:

Date:

Time:

Remarks:

Turnaround Time:

Standard

Sample Condition

Observed Temp. °C

Corrected Temp. °C

Delivered By: (Circle One)

Observed Temp. °C

Sample Condition

CHECKED BY: (Initials)

Turnaround Time:

Standard

Sample Condition

Observed Temp. °C

Corrected Temp. °C

Sampler - UPS - Bus - Other:

Corrected Temp. °C

Sample Condition

CHECKED BY: (Initials)

Turnaround Time:

Standard

Sample Condition

Observed Temp. °C

Corrected Temp. °C

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

BILL TO				ANALYSIS REQUEST							
Company Name:				P.O. #:							
Project Manager:				Company:							
Address:				Attn:							
City:				State:							
Phone #:				Fax #:							
Project #:				Project Owner:							
Project Location:				City:							
Sampler Name:				State:							
				Zip:							
				Phone #:							
				Fax #:							
FOR LAB USE ONLY											
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX	PRESERV.	SAMPLING	DATE	TIME	TPH	BTEX	Chlorides
11 S-11	2'	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/> SOIL			9/12/23		X	X	X
12 S-12				<input checked="" type="checkbox"/> WASTEWATER					X	X	X
13 S-13				<input checked="" type="checkbox"/> GROUNDWATER					X	X	X
14 S-14				<input checked="" type="checkbox"/> SLUDGE					X	X	X
15 S-15				<input checked="" type="checkbox"/> OTHER :					X	X	X
16 S-16				<input checked="" type="checkbox"/> ACID/BASE:					X	X	X
17 S-17				<input checked="" type="checkbox"/> ICE / COOL					X	X	X
18 S-18				<input checked="" type="checkbox"/> OTHER :					X	X	X
19 S-19											
20 S-20											

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Relinquished By: _____ <i>[Signature]</i>				Date: 9/14/23	Received By: _____ <i>[Signature]</i>
Time: 13:28					
Date: _____					
Time: _____					
Delivered By: (Circle One) Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>				CHECKED BY: (Initials)	Turnaround Time: Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/>
Corrected Temp. °C					Bacteria (only) Sample Condition Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Thermometer ID #140					Observed Temp. °C
Correction Factor 0°C					Corrected Temp. °C

REMARKS: Pg 2 of 7

Verbal Result: ☐ Yes ☐ No Add'l Phone #: _____

All Results are emailed. Please provide Email address: _____



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name:		P.O. #:		BILL TO		ANALYSIS REQUEST	
Project Manager:		Company:					
Address:		Attn:					
City:		Address:					
Phone #:		City:					
Project #:		State:					
Project Name:		Phone #:					
Project Location:		Fax #:					
Sampler Name:		FOR LAB USE ONLY					
Lab I.D.		Sample I.D.					
Date: 9/1/23		Time: 13:38					
Relinquished By:		Received By:					
Relinquished By:		Received By:					
Delivered By: (Circle One)		Observed Temp. °C		Sample Condition		CHECKED BY: (Initials)	
Sampler - UPS - Bus - Other:		Corrected Temp. °C		Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/>			
Turnaround Time:		Thermometer ID #140		Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/>		Bacteria (only) <input type="checkbox"/>	
Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Phone #:					
All Results are emailed. Please provide Email address:							
REMARKS:							
Pg 3 of 7							

DATE	TIME	ANALYSIS REQUEST
9/1/23	13:38	15TEX
9/1/23	13:38	TPH
9/1/23	13:38	Chlorides



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name:				BILL TO				ANALYSIS REQUEST			
Project Manager:				P.O. #:							
Address:				Company:							
City:				Attn:							
Phone #:				Address:							
Project #:				City:							
Project Name:				State:							
Project Location:				Phone #:							
Sample Name:				Fax #:							
FOR LAB USE ONLY											
Lab I.D.				Sample I.D.							
29 5-31 30 5-32 33 5-33 34 5-34 35 5-35 36 5-36 37 5-37 38 5-38 39 5-39 40 5-40				(G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER : ACID/BASE: ICE / COOL OTHER : DATE 9/12/23 TIME				BTX TPH Chlorides			
Pelinquished By: <i>[Signature]</i> Relinquished By: <i>[Signature]</i> Date: 9/12/23 Time: 13:28 Received By: <i>[Signature]</i> Date: <i>[Signature]</i> Time:				Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Ad <input type="checkbox"/> Phone #: All Results are emailed. Please provide Email address:				REMARKS: PS 404-7			
Delivered By: (Circle One) Sampler - UPS - Bus - Other:				Observed Temp. °C 4.6 Corrected Temp. °C				Sample Condition Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No Checked BY: (Initials)			
Turnaround Time: Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/> Thermometer ID #140 Correction Factor 0°C				Bacteria (only) Sample Condition Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No Observed Temp. °C Corrected Temp. °C							

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name:		P.O. #:		BILL TO										ANALYSIS REQUEST									
Project Manager:		Company:																					
Address:		Attn:																					
City:		Address:																					
Phone #:		City:																					
Fax #:		State:																					
Project #:		Zip:																					
Project Name:		Phone #:																					
Project Location:		Fax #:																					
Sampler Name:		FOR LAB USE ONLY																					
Lab I.D.		Sample I.D.																					
41 S-41		4																					
42 S-42																							
43 S-43																							
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45 S-45																							
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101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name:		Project Manager:		Address:		City:		State:		Zip:		P.O. #:		Company:		Attn:		Address:		City:		State:		Zip:		Phone #:		Fax #:																			
Project Name:		Project Location:		Sample Name:		FOR LAB USE ONLY		Lab I.D.		Sample I.D.		(G)RAB OR (C)OMP		# CONTAINERS		GROUNDWATER		WASTEWATER		SOIL		OIL		SLUDGE		OTHER:		ACID/BASE:		ICE / COOL		OTHER:		DATE		TIME		BTEX		TPH		Chlorides					
Matrix		Preserv.		Sampling		Matrix		Preserv.		Sampling		Matrix		Preserv.		Sampling		Matrix		Preserv.		Sampling		Matrix		Preserv.		Sampling		Matrix		Preserv.		Sampling		Matrix		Preserv.		Sampling		Matrix		Preserv.		Sampling	
Relinquished By:		Date:		Time:		Received By:		Date:		Time:		Turnaround Time:		Standard		Rush		Bacteria (only)		Sample Condition		Observed Temp. °C		Corrected Temp. °C		Thermometer ID #140		Correction Factor 0°C		Verbal Result:		Yes		No		Add'l Phone #:		All Results are emailed. Please provide Email address:		REMARKS:		PG 6 of 7					
Delivered By: (Circle One)		Observed Temp. °C		Corrected Temp. °C		Sample Condition		Checked By: (Initials)		Turnaround Time:		Standard		Rush		Bacteria (only)		Sample Condition		Observed Temp. °C		Corrected Temp. °C		Thermometer ID #140		Correction Factor 0°C		Verbal Result:		Yes		No		Add'l Phone #:		All Results are emailed. Please provide Email address:		REMARKS:		PG 6 of 7							
Sampler - UPS - Bus - Other:		Observed Temp. °C		Corrected Temp. °C		Sample Condition		Checked By: (Initials)		Turnaround Time:		Standard		Rush		Bacteria (only)		Sample Condition		Observed Temp. °C		Corrected Temp. °C		Thermometer ID #140		Correction Factor 0°C		Verbal Result:		Yes		No		Add'l Phone #:		All Results are emailed. Please provide Email address:		REMARKS:		PG 6 of 7							



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]

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 253232

CONDITIONS

Operator: SPECIAL ENERGY CORP P.O. Drawer 369 Stillwater, OK 74076	OGRID: 138008
	Action Number: 253232
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
crystal.walker	Variance Request and Closure Approved	3/12/2024