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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.

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

X A scaled site and sampling diagram as described in 19.15.29.11 NMAC

 \overline{X} 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)

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

X 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: Dale Woodall	Title: <u>Env. Professional</u>
Signature: Dale Woodall	Date: <u>12-2-2022</u>
email:dale.woodall@dvn.com	Telephone:575-748-1838
OCD Only	
Received by: Jocelyn Harimon	Date: 12/02/2022
	of liability should their operations have failed to adequately investigate and water, human health, or the environment nor does not relieve the responsible for regulations.
Closure Approved by: <u>Robert Hamlet</u>	Date: 3/6/2023
Printed Name: Robert Hamlet	Title: Environmental Specialist - Advanced

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Oil Conservation Division

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Incident ID	nAPP2127146416
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Site Assessment/Characterization

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

What is the shallowest depth to groundwater beneath the area affected by the release?	<u>18</u> (ft bgs)
Did this release impact groundwater or surface water?	Yes X No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	Yes X No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	🗌 Yes 🔀 No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	Yes X No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	Yes X No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	Yes X No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	🗌 Yes 🔀 No
Are the lateral extents of the release within 300 feet of a wetland?	Yes X No
Are the lateral extents of the release overlying a subsurface mine?	Yes X No
Are the lateral extents of the release overlying an unstable area such as karst geology?	Yes X No
Are the lateral extents of the release within a 100-year floodplain?	Yes X No
Did the release impact areas not on an exploration, development, production, or storage site?	Yes X 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.

- \underline{X} Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- X Field data
- X Data table of soil contaminant concentration data
- \underline{X} Depth to water determination
- X Determination of water sources and significant watercourses within ¹/₂-mile of the lateral extents of the release
- Boring or excavation logs
- X Photographs including date and GIS information
- $\overline{\mathbf{X}}$ 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.

Received by OCD: 12 Form C-141 Page 4	2/2/2022 2:00:05 PM State of New Mexico Oil Conservation Division		Incident ID District RP Facility ID Application ID	<u>Page 3 of 380</u> nAPP2127146416
regulations all operato public health or the er failed to adequately ir addition, OCD accept and/or regulations.	he information given above is true and complete to the bors are required to report and/or file certain release not avironment. The acceptance of a C-141 report by the C avestigate and remediate contamination that pose a thr ance of a C-141 report does not relieve the operator of	ifications and perform con OCD does not relieve the eat to groundwater, surface	rrective actions for relea operator of liability sho ce water, human health	ases which may endanger uld their operations have or the environment. In
Printed Name: Dale	e Woodall	Title: Env. Professi	onal	
Signature: Dala	e Woodall 2. Woodall	Date: <u>12/2/2022</u>		
email: dale.woodal	l@dvn.com	Telephone: 575-74	8-1838	
OCD Only Received by:	Jocelyn Harimon	Date: <u>12</u>	/02/2022	

Oil Conservation Division

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

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Remediation Plan

X Detailed description of proposed remediation technique \overline{X} Scaled sitemap with GPS coordinates showing delineation points X Estimated volume of material to be remediated Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC X 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. _____ Title: Env. Professional Printed Name: Dale Woodall Signature: _ Dale Woodall _____ Date: <u>12/2/2022</u> email: dale.woodall@dnv.com Telephone: 575-748-1838 **OCD Only** Received by: Jocelyn Harimon Date: Approved Approved with Attached Conditions of Approval Denied Deferral Approved Signature: Date:

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Oil Conservation Division

Incident ID	nAPP2127146416
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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.

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

X A scaled site and sampling diagram as described in 19.15.29.11 NMAC

 \overline{X} 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)

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

 \overline{X} 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: Dale Woodall	Title: Env. Professional	
Signature: Dale Woodall	Date: <u>12-2-2022</u>	
email:dale.woodall@dvn.com	Telephone:575-748-1838	
OCD Only		
Received by: Jocelyn Harimon	Date: <u>12/02/2022</u>	
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:	



November 17, 2022

Vertex Project #: 22E-01417

Spill Closure Report:	Papas Fritas 27 CTB 1
	Unit O, Section 27, Township 23 South, Range 29 East
	API: N/A
	County: Eddy
	Incident Reports: nAPP2129171458, nAPP2127146416 and nAPP221094425
Prepared For:	Devon Energy Production Company

New Mexico Oil Conservation Division – District 2 – Artesia 811 S. 1st Street Artesia, New Mexico 88210

6488 Seven Rivers Highway Artesia, New Mexico 88210

Devon Energy Production Company (Devon) retained Vertex Resource Services Inc. (Vertex) to conduct a Spill Assessment and Closure for multiple produced water releases at Papas Fritas 27 CTB 1 (hereafter referred to as "Papas Fritas"). Devon submitted an initial C-141 Release Notification (Attachment 1) to the New Mexico Oil Conservation Division (NMOCD) District 2 on September 28, 2021. Incident ID numbers nAPP2129171458 and nAPP2127146416 were assigned to the incidents.

This letter provides a description of the release assessment and remediation activities that demonstrate that closure criteria established in Table I of 19.15.29.12 *New Mexico Administrative Code* (NMAC; New Mexico Oil Conservation Division, 2018) are being met and all applicable regulations are being followed. This document is intended to serve as a final report to obtain approval from NMOCD for the closure of these releases. This is with the understanding that restoration of the release site will be deferred until such time as all oil and gas activities are terminated and the site is reclaimed per 19.15.29.13 of NMAC.

Incident Descriptions

nAPP221094425

The release for nAPP2129171458 occurred near the storage tanks. The cause of the release is unknown. The incident resulted in the release of 13 barrels of produced water into the containment. No fluids were recovered from the release. No oil or produced water was released into waterways.

nAPP2127146416 and nAPP2129171458

The release for nAPP2127146416 and nAPP2129171458 occurred on the north/northwest side of the containment at Papas Fritas when the water-transfer pump developed a leak. The fluid traveled north and northwest of the oil tanks and released into the pasture north of the pad. The horizontal extent of the release was approximately 336 feet long and 301 feet wide. After the release, a vacuum truck was brought on-site to recover the fluids. Approximately

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120 barrels of fluids were recovered. No oil or produced water was released into waterways.

Site Characterization

The releases at Devon's Papas Fritas site occurred on federal land at 32.271611° N, 103.969944° W, approximately 6.4 miles southwest of Malaga, New Mexico. The legal description for the site is Unit O, Section 27, Township 23 South, Range 29 East in Eddy County, New Mexico. This location is within the Permian Basin in southeast New Mexico and has historically been used for oil and gas exploration and production, and rangeland.

Papas Fritas is typical of oil and gas exploration and production sites on the western portion of the Permian Basin and is currently being used for oil and gas production and storage. The following sections specifically describe the release areas on the north side of the pad (Attachment 2).

The nearest active well to Papas Fritas is a New Mexico Office of the State Engineer (NMOSE) monitoring well located approximately 1.06 miles northwest of the site (United States Department of the Interior, United States Geological Survey, 2021). Data from 2000 shows the NMOSE well had a depth to groundwater of 18 feet below ground surface (bgs). Information pertaining to the depth to groundwater determination is included in Attachment 4.

The surrounding landscape is associated with plains, interdunes, and dunes. With elevations ranging between 2,700 and 5,500 feet. The climate is semiarid with average annual precipitation ranging between 5 and 15 inches. Using information from the United States Department of Agriculture, the dominant vegetation was determined to be black grama. Grasses with shrubs and half-shrubs dominate the historic plant community (United States Department of Agriculture, Natural Resources Conservation Service, 2021). Limited to no vegetation is allowed to grow on the compacted production pad, right of way, and access road.

The Geological Map of New Mexico indicates the surface geology at Papas Fritas is comprised primarily of Qep – Eolian and Piedmont deposits from the Holocene to lower Pleistocene ages (New Mexico Bureau of Geology and Mineral Resources, 2022). The United States Department of Agriculture *Web Soil Survey* characterizes the soil at the site as Pajarito Loamy Fine Sand. The soil is well-drained with a very low runoff. The karst geology potential for Papas Fritas is medium (United States Department of the Interior, Bureau of Land Management, 2018).

There is no surface water located at Papas Fritas. The nearest significant watercourse, as defined in Subsection P of 19.15.17.7 NMAC, is an intermittent stream located 0.67 miles west of the site. At Papas Fritas, there are no continuously flowing water courses or significant watercourses, lakebeds, sinkholes, playa lakes, or other critical water or community features as outlined in Paragraph (4) of Subsection C of 19.15.29.12 NMAC.

Closure Criteria Determination

Using site characterization information, a closure criteria determination worksheet (Attachment 4) was completed to determine of the release was subject to any of the special case scenarios outlined in Paragraph (4) of Subsection C of 19.15.29.12 NMAC.

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Based on the data included in the closure criteria determination worksheet, the releases at Papas Fritas are subject to the requirements of Paragraph (4) of Subsection C of 19.15.29.12 NMAC. There are no active water wells within a half-mile of the site to accurately determine the depth to groundwater; therefore, the closure criteria for the incident will assume NMOCD's strictest criteria and are determined to be associated with the following constituent concentration limits.

Table 1. Closure Criteria for Soils Impacted by		
Minimum depth below any point within the horizontal boundary of the release to groundwater less than 10,000 mg/l TDS	Constituent	Limit
< 50 feet	Chloride	600 mg/kg
	TPH (GRO+DRO+MRO)	100 mg/kg
	BTEX	50 mg/kg
	Benzene	10 mg/kg

TDS - Total dissolved solids

TPH - Total petroleum hydrocarbons = gasoline range organics (GRO) + diesel range organics (DRO) + motor oil range organics (MRO) BTEX - Benzene, toluene, ethylbenzene, and xylenes

Liner Inspection

nAPP221094425

On May 11, 2022, Vertex provided 48-hour notification of the liner inspection to NMOCD District 2 as required by Subparagraph (a) of Paragraph (5) of Subsection A 19.15.29.11 NMAC (Attachment 5). On May 14, 2022, Vertex was on-site to conduct an inspection of the lined containment and verify that the liner was intact and had the ability to contain the release. The Daily Field Report and associated photographs of the liner inspection are included in Attachment 6. The inspection confirmed the liner remained intact and had the ability to contain the release.

Remedial Actions

nAPP2127146416 and nAPP2129171458

On October 6, 2021, Safety & Environmental Solutions, Inc. (SESI) conducted initial site assessment activities through field screening procedures. Characterization sample points for SESI's delineation are included on Figure 1 (Attachment 2). Characterization sample analytical data from SESI's delineation are summarized in Attachment 3. Vertex was not affiliated with the initial site characterization or work plan. Remediation fieldwork was completed by Carmona Resources and confirmatory sampling was completed by Vertex. SESI's full remediation work plan is included in Attachment 9.

Excavation of impacted soils was conducted between September 23, 2022, and October 27, 2022. A Vertex representative was on-site from October 5 to 27, 2022, to conduct field screen procedures to determine the final horizontal and vertical extents of the excavation area. Initial and final Daily Field Reports and associated photographs are included in Attachment 6.

Between September 26 and October 25, 2022, Vertex provided three 48-hour notifications of confirmation sampling to NMOCD (Attachment 5), as required by Subparagraph (a) of Paragraph (1) of Subsection D 19.15.29.12 NMAC. Between vertex.ca

October 3 and 27, 2022, Vertex collected a total of 148 five-point composite confirmatory samples from the base and side walls of the excavation, at depths ranging between the ground surface and 4 feet bgs. Confirmation sample points are included on Figure 3 (Attachment 2). Each composite sample was representative of no more than 200 square feet per the alternate sampling method outlined in Subparagraph (c) of Paragraph (1) of Subsection D 19.15.29.12 NMAC, which does not require prior NMOCD approval. The composite samples were placed into laboratory-provided containers, preserved on ice, and submitted to a National Environmental Laboratory Accreditation Program-approved laboratory for chemical analysis. On October 27, 2022, excavation was completed. The final total square footage of the excavation was 22,382 square feet.

Laboratory analyses included Method 300.0 for chlorides, Method 8021B for volatile organics, including BTEX, and EPA Method 8015 for TPH, including DRO, MRO, and GRO. Confirmatory sampling analytical data are summarized in Attachment 3. Laboratory data reports and chain of custody forms are included in Attachment 7.

A GeoExplorer 7000 Series Trimble global positioning system (GPS) unit, was used to map the approximate center of each of the five-point composite samples. The confirmatory sample locations are presented in Figure 3 (Attachment 2). Relevant equipment and prominent features/reference points at the site are mapped as well.

Closure Request

Vertex recommends no additional action to address the remediation area at Papas Fritas. Laboratory analyses of confirmation samples collected at Papas Fritas show final confirmatory values below NMOCD closure criteria for areas where depth to groundwater is less than 50 feet bgs as presented in Table 1. There are no anticipated risks to human, ecological, or hydrological receptors at this release site.

Vertex requests that these incidents (nAPP2129171458, nAPP2127146416, and nAPP221094425) be closed as all closure requirements set forth in Subsection E of 19.15.29.12 NMAC have been met. Devon certifies that all information in this report and the attachments is correct and that they have complied with all applicable closure requirements and conditions specified in Division rules and directives to meet NMOCD requirements to obtain closure on the remediation area at Papas Fritas.

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Should you have any questions or concerns, please do not hesitate to contact Kent Stallings at 346.814.1413 or KStallings@vertex.ca.

Chance Dixon

Chance Dixon, B.Sc. SR. ENVIRONMENTAL TECHNICIAN, REPORTING November 17, 2022

Date

Kent Stallings, P.G. PROJECT MANAGER, REPORT REVIEW November 17, 2022

Date

Attachments

- Attachment 1. NMOCD C-141 Reports
- Attachment 2. Figures
- Attachment 3. Summarized Laboratory Data Tables
- Attachment 4. Closure Criteria for Soils Impacted by a Release Research Determination Documentation
- Attachment 5. Required 48-hour Notifications of Liner Inspection and Confirmatory Sampling to NMOCD
- Attachment 6. Daily Field Reports with Photographs
- Attachment 7. Laboratory Data Reports and Chain of Custody Forms
- Attachment 8. Extension Denial After 90 Days from NMOCD
- Attachment 9. Safety & Environmental Solution Inc.'s Remediation Workplan

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References

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- New Mexico Bureau of Geology and Mineral Resources. (2022). *Interactive Geologic Map*. Retrieved from http://geoinfo.nmt.edu
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- United States Department of the Interior, Bureau of Land Management. (2018). *New Mexico Cave/Karsts*. Retrieved from https://www.blm.gov/programs/recreation/recreation-programs/caves/new-mexico
- United State Fish and Wildlife Service. (2022). *National Wetland Inventory Surface Waters and Wetland*. Retrieved from https://www.fws.gov/wetlands/data/mapper.html

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Limitations

This report has been prepared for the sole benefit of Devon Energy Production Company (Devon). This document may not be used by any other person or entity, with the exception of the New Mexico Oil Conservation Division, without the express written consent of Vertex Resource Services Inc. (Vertex) and Devon. Any use of this report by a third party, or any reliance on decisions made based on it, or damages suffered as a result of the use of this report are the sole responsibility of the user.

The information and conclusions contained in this report are based upon work undertaken by trained professional and technical staff in accordance with generally accepted scientific practices current at the time the work was performed. The conclusions and recommendations presented represent the best judgement of Vertex based on the data collected during the assessment. Due to the nature of the assessment and the data available, Vertex cannot warrant against undiscovered environmental liabilities. Conclusions and recommendations presented in this report should not be considered legal advice.

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ATTACHMENT 1

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	nAPP2210924425
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party Devon Energy Production Company	OGRID 6137
Contact Name Wesley Mathews	Contact Telephone
Contact email Wesley.Mathews@dvn.com	Incident # (assigned by OCD)
Contact mailing address 6488 Seven Rivers Hwy Artesia, NM 88210	

Location of Release Source

Latitude <u>32.271611</u>

(NAD 83 in decimal degrees to 5 decimal places)

Site Name Papas Fritas 27 CTB 1	Site Type Oil
Date Release Discovered 04/18/2022	API# (if applicable)

Γ	Unit Letter	Section	Township	Range	County
ſ	0	27	23S	29E	Eddy

Surface Owner: State X Federal Tribal Private (Name: _

Nature and Volume of Release

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

Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
X Produced Water	Volume Released (bbls) 13 BBLS	Volume Recovered (bbls) 0 BBLS
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	Yes No
Condensate	Volume Released (bbls)	Volume Recovered (bbls)
Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)
Cause of Release: Pinh	ole developed on a water line.	

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Was this a major	If YES, for what reason(s) does the responsible party consider this a major release?
release as defined by	
19.15.29.7(A) NMAC?	
Yes X No	
If YES, was immediate no	otice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?

Initial Response

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

 $\overline{\mathbf{X}}$ The source of the release has been stopped.

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

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

 \overline{X} All free liquids and recoverable materials have been removed and managed appropriately.

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

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

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

Printed Name:	Title:
Signature:	Date:
email:	Telephone:
OCD Only	
Received by:	Date:

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Incident ID	nAPP2210924425
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Facility ID	
Application ID	

Site Assessment/Characterization

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

What is the shallowest depth to groundwater beneath the area affected by the release?	<u>18</u> (ft bgs)
Did this release impact groundwater or surface water?	Yes X No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	Yes X No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	🗌 Yes 🔀 No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	🗌 Yes 🗶 No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	Yes X No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	Yes X No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	🗌 Yes 🔀 No
Are the lateral extents of the release within 300 feet of a wetland?	Yes X No
Are the lateral extents of the release overlying a subsurface mine?	Yes X No
Are the lateral extents of the release overlying an unstable area such as karst geology?	Yes X No
Are the lateral extents of the release within a 100-year floodplain?	Yes X No
Did the release impact areas not on an exploration, development, production, or storage site?	Yes X 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.

- \underline{X} Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- X Field data
- X Data table of soil contaminant concentration data
- \underline{X} Depth to water determination
- X Determination of water sources and significant watercourses within ¹/₂-mile of the lateral extents of the release
- X Boring or excavation logs
- X Photographs including date and GIS information
- X Topographic/Aerial maps
- X 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.

Form C-141	State of New Mexico			Incident ID	Page 17 of nAPP2210924425
Page 4	Oil Conservation Divisio	onservation Division		District RP	
				Facility ID	
				Application ID	
public health or the enviro failed to adequately invest addition, OCD acceptance and/or regulations. Printed Name: <u>Dale W</u> Signature: <u>Dale U</u>	re required to report and/or file certain release in nument. The acceptance of a C-141 report by the igate and remediate contamination that pose a of a C-141 report does not relieve the operato <u>Voodall</u> <u>Voodall</u> <u>Oodall</u> <u>Oodall</u>	he OCD doe threat to gro or of respons Title: Date:	s not relieve the bundwater, surfa ibility for compl Env. Professi	operator of liability sh ce water, human health iance with any other fe onal	ould their operations have or the environment. In

Page 5

Oil Conservation Division

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

	Page 18 of 38	30
Incident ID	nAPP2210924425	
District RP		
Facility ID		
Application ID		

Remediation Plan

X Detailed description of proposed remediation technique \overline{X} Scaled sitemap with GPS coordinates showing delineation points X Estimated volume of material to be remediated X Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC X 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. Title: Env. Professional Printed Name: Dale Woodall Signature: Dale Woodall _____ Date: 12/2/2022 email: dale.woodall@dvn.com Telephone: <u>575-748-1838</u> OCD Only Received by: Date: Approved with Attached Conditions of Approval Approved Denied Deferral Approved Signature: Date:

Oil Conservation Division

Incident ID	nAPP2210924425
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.

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

X A scaled site and sampling diagram as described in 19.15.29.11 NMAC

 \overline{X} 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)

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

 \mathbf{X} 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: Dale Woodall	Title: Env. Professional
	Date: <u>12/2/2022</u>
email:dale.woodall@dvn.com	Telephone:575-748-1838
OCD Only	
Received by:	Date:
	of liability should their operations have failed to adequately investigate and water, human health, or the environment nor does not relieve the responsible or regulations.
Closure Approved by:	Date:
Printed Name:	

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	nAPP2127146416
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party Devon Energy Production Company	OGRID 6137	
Contact Name Wesley Mathews	Contact Telephone	
Contact email Wesley.Mathews@dvn.com	Incident # (assigned by OCD)	
Contact mailing address 6488 Seven Rivers Hwy Artesia, NM 88210		

Location of Release Source

Latitude <u>32.271611</u>

Longitude <u>-103.969944</u>

(NAD 83 in decimal degrees to 5 decimal places)

Site Name Papas Fritas 27 CTB 1	Site Type Oil
Date Release Discovered 9/28/2021	API# (if applicable)

Unit Letter	Section	Township	Range	County
0	27	238	29E	Eddy

Surface Owner: State X Federal Tribal Private (*Name:*______

Nature and Volume of Release

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

Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
X Produced Water	Volume Released (bbls)150.32 BBLS	Volume Recovered (bbls)120 BBLS
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	Yes No
Condensate	Volume Released (bbls)	Volume Recovered (bbls)
Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)
Cause of Release: Trans	sfer pump developed a leak.	

orm C-141	22 2:00:05 PM State of New Mexico	Incident ID	<u>Page 21 of 3</u> nAPP2127146416
ge 2	Oil Conservation Division	District RP	IIAI I 212/140410
		Facility ID	
		Application ID	
Was this a major release as defined by 19.15.29.7(A) NMAC? X Yes No	If YES, for what reason(s) does the responsible par The release was more than 25 barrels.		
If YES, was immediate	notice given to the OCD? By whom? To whom? Wh	en and by what means (phone, e	email, etc)?

Initial Response

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

 $\overline{\mathbf{X}}$ The source of the release has been stopped.

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

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

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

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

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

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

Printed Name:	Title:
Signature:	Date:
email:	Telephone:
OCD Only	
Received by:	Date:

Oil Conservation Division

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Incident ID	nAPP2127146416
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Facility ID	
Application ID	

Site Assessment/Characterization

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

What is the shallowest depth to groundwater beneath the area affected by the release?	<u>18</u> (ft	bgs)
Did this release impact groundwater or surface water?	Yes X N	No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	Yes X N	No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	Yes X N	No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	Yes X N	No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	Yes X N	No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	Yes X N	No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	Yes X N	No
Are the lateral extents of the release within 300 feet of a wetland?	Yes X N	No
Are the lateral extents of the release overlying a subsurface mine?	Yes X N	No
Are the lateral extents of the release overlying an unstable area such as karst geology?	Yes X N	No
Are the lateral extents of the release within a 100-year floodplain?	Yes X N	No
Did the release impact areas not on an exploration, development, production, or storage site?	Yes X N	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.

- X Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- X Field data
- X Data table of soil contaminant concentration data
- X Depth to water determination
- X Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release
- Boring or excavation logs
- X Photographs including date and GIS information
- X 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>eceived by OCD: 12/2/</i> form C-141	2022 2:00:05 PM State of New Me	xico	Incident ID	Page 23 of nAPP2127146416
age 4	e 4 Oil Conservation Divisi		District RP	11/11/212/140410
-			Facility ID	
			Application ID	
public health or the envir failed to adequately invest addition, OCD acceptance and/or regulations.	are required to report and/or file certain report onment. The acceptance of a C-141 report stigate and remediate contamination that e of a C-141 report does not relieve the or Woodall Woodall dvn.com	ort by the OCD does not relie pose a threat to groundwater operator of responsibility for	eve the operator of liability s c, surface water, human heal compliance with any other rofessional	hould their operations have th or the environment. In
OCD Only Received by:		Date: _		

Oil Conservation Division

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

Incident ID	nAPP2127146416
District RP	
Facility ID	
Application ID	

Remediation Plan

X Detailed description of proposed remediation technique $\overline{\mathbf{X}}$ Scaled sitemap with GPS coordinates showing delineation points X Estimated volume of material to be remediated Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC X 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. _____ Title: Env. Professional Printed Name: Dale Woodall Signature: Dale Woodall Date: 12/2/2022 email: dale.woodall@dnv.com Telephone: 575-748-1838 OCD Only Received by: Date: Approved with Attached Conditions of Approval Approved Denied Deferral Approved Signature: Date:

Page 5

Oil Conservation Division

Incident ID	nAPP2127146416
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.

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

X A scaled site and sampling diagram as described in 19.15.29.11 NMAC

 \overline{X} 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)

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

X 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: Dale Woodall	Title: Env. Professional
Signature: Dale Woodall	Date: <u>12-2-2022</u>
email:dale.woodall@dvn.com	Telephone:575-748-1838
OCD Only	
Received by:	Date:
	of liability should their operations have failed to adequately investigate and water, human health, or the environment nor does not relieve the responsible for regulations.
Closure Approved by:	Date:
Printed Name:	Title:

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

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

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Incident ID	
District RP	
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Release Notification

Responsible Party

Responsible Party	OGRID
Contact Name	Contact Telephone
Contact email	Incident # (assigned by OCD)
Contact mailing address	

Location of Release Source

Longitude

Latitude			

Site Name	Site Type
Date Release Discovered	API# (if applicable)

(NAD 83 in decimal degrees to 5 decimal places)

Unit Letter	Section	Township	Range	County

Surface Owner: State Federal Tribal Private (Name:

Nature and Volume of Release

Material	(s) Released	(Select all that apply	and attach cal	culations or sp	pecific	justification f	for the volumes p	provided below))

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

Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC?	If YES, for what reason(s) does the responsible party consider this a major release?
Yes No	
If YES, was immediate no	otice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?

Initial Response

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

The source of the release has been stopped.

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

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

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

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

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

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

Printed Name:	Title:
Signature: <u>Kendra DeHoyos</u>	Date:
email:	Telephone:
OCD Only	
Received by: Ramona Marcus	Date:

Page 3

Oil Conservation Division

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Incident ID	nAPP2129171458	
District RP		
Facility ID		
Application ID		

Site Assessment/Characterization

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

What is the shallowest depth to groundwater beneath the area affected by the release?	<u>18</u> (ft bgs)
Did this release impact groundwater or surface water?	🗌 Yes 🔀 No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	🗌 Yes 🔀 No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	🗌 Yes 🔀 No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	🗌 Yes 🔀 No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	🗌 Yes 🗶 No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	🗌 Yes 🔀 No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	🗌 Yes 🔀 No
Are the lateral extents of the release within 300 feet of a wetland?	Yes X No
Are the lateral extents of the release overlying a subsurface mine?	Yes X No
Are the lateral extents of the release overlying an unstable area such as karst geology?	🗌 Yes 🔀 No
Are the lateral extents of the release within a 100-year floodplain?	🗌 Yes 🔀 No
Did the release impact areas not on an exploration, development, production, or storage site?	🗌 Yes 🔀 No

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

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

- X Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- X Field data
- X Data table of soil contaminant concentration data
- X Depth to water determination
- X Determination of water sources and significant watercourses within ¹/₂-mile of the lateral extents of the release
- X Boring or excavation logs
- $\overline{\mathbf{X}}$ Photographs including date and GIS information
- X Topographic/Aerial maps
- X 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.

YOFTH V-141	DCD: 12/2/2022 2:00:05 PM State of New Mexico			Page 29 of 3	
		_		Incident ID	nAPP2129171458
age 4	Oil Conservation Division	1		District RP	
				Facility ID	
				Application ID	
public health or the environment failed to adequately investig addition, OCD acceptance of and/or regulations.	required to report and/or file certain release n ment. The acceptance of a C-141 report by th gate and remediate contamination that pose a the f a C-141 report does not relieve the operator	e OCD doe hreat to gro of respons	s not relieve the bundwater, surfa ibility for compl	operator of liability sh ce water, human health iance with any other fe	ould their operations have or the environment. In
Printed Name: <u>Dale Wo</u> Signature: <u>Dale W</u> email: <u>dale.woodall@c</u>	oodall	_ Date:	12-2-2022 none:575-74		

Oil Conservation Division

Incident ID	nAPP2129171458
District RP	
Facility ID	
Application ID	

Remediation Plan

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

 X
 Detailed description of proposed remediation technique

X Scaled sitemap with GPS coordinates showing delineation points

 \overline{X} Estimated volume of material to be remediated

Page 5

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

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

Deferral Requests Only: Each of the following items must be con	nfirmed as part of any request for deferral of remediation.			
Contamination must be in areas immediately under or around p deconstruction.	roduction equipment where remediation could cause a major facility			
Extents of contamination must be fully delineated.				
Contamination does not cause an imminent risk to human healt	h, the environment, or groundwater.			
	e and remediate contamination that pose a threat to groundwater, acceptance of a C-141 report does not relieve the operator of			
Printed Name: Dale Woodall	Title: Env. Specialist			
Signature: Dale Woodall Date: 12/2/2022				
email: dale.woodall@dvn.com Telephone: 575-748-1838				
OCD Only				
Received by:	Date:			
Approved Approved with Attached Conditions of	Approval Denied Deferral Approved			
Signature:	Date:			

Oil Conservation Division

Incident ID	nAPP2129171458
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.

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

X A scaled site and sampling diagram as described in 19.15.29.11 NMAC

 \overline{X} 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)

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

X 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: Dale Woodall	Title: Env. Professional
Signature: Dale Woodall	Date: <u>12/2/2022</u>
email: dale.woodall@dvn.com	Telephone:575-748-1838
OCD Only	
Received by:	Date:
	of liability should their operations have failed to adequately investigate and water, human health, or the environment nor does not relieve the responsible or regulations.
Closure Approved by:	Date:
Printed Name:	Title:

Measurements	Of Standing Fluid
Length(Ft)	120
Width(Ft)	60
Depth(in.)	
Total Capacity without tank displacements (bbls)	0.25
No. of 500 bbl Tanks In Standing Fluid	8
No. of Other Tanks In Standing Fluid	
OD Of Other Tanks In Standing Fluid(feet)	16
Total Volume of standing fluid accounting for tank displacement.	22.39

Con	taminated S	Soil measurement	
Area (square feet)		Depth(inches)	
8228.513		0.016	
Cubic Feet of Soil Impacted		<u>10.971</u>	
Barrels of Soi	I Impacted	<u>1.96</u>	
Soil Ty	/pe	Clay/Sand	
Barrels of Oil Assuming 100% Saturation		<u>0.29</u>	
Saturation	Fluid pre	esent with shovel/backhoe	
Estimated Barrels of Oil Released		0.29	
	Free Stand	ing Fluid Only	
Area (square feet)		Depth(inches)	
<u>8228.513</u>		0.016	
Standing fluid		<u>1.956</u>	
Total fluids spilled		2.249	

NAPP2129171458

mpore in ansat wedenie in			
Contaminated Soil measurement			
Area (square feet) Depth(inches)		Depth(inches)	
29429		<u>0.250</u>	
Cubic Feet of So	I Impacted	613.104	
Barrels of Soil	mpacted	<u>109.29</u>	
Soil Typ	be	Clay/Sand	
Barrels of Oil 100% Satu		<u>16.39</u>	
Saturation Fluid present with shovel/backhoe			
Estimated Barrels of Oil Released		16.39	
Free Standing Fluid Only			
Area (square feet)		Depth(inches)	
29429		0.250	
Standing fluid		109.288	
Total fluid	s spilled	125.681	
<u>Total fluid</u>	s spilled	125.681	

District I 1625 N. French Dr., Hobbs, NM 88240 Phone:(575) 393-6161 Fax:(575) 393-0720 District II

811 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720

District III

1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170

District IV

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

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

CONDITIONS

Operator:	OGRID:
DEVON ENERGY PRODUCTION COMPANY, LP	6137
333 West Sheridan Ave.	Action Number:
Oklahoma City, OK 73102	56657
	Action Type:
	[C-141] Release Corrective Action (C-141)

CONDITIONS

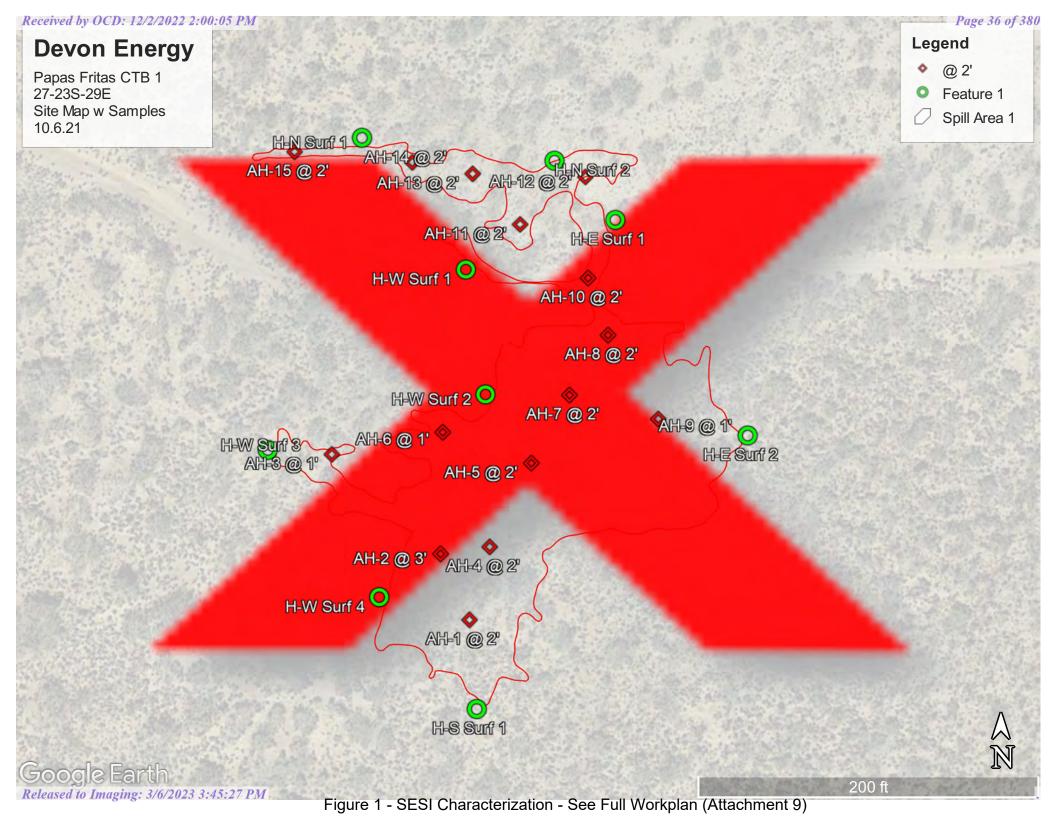
Created By	Condition	Condition Date
rmarcus	None	11/9/2021

CONDITIONS

Page 34cof 380

Action 56657

ATTACHMENT 2





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ed in this figure may

12.5 25

NAD 1983 UTM Zone 13N

Date: Nov 01/22

Base Sample

Wall Sample

EX

··· Underground Pipeline

Map Center: Lat: 32.272315,

Long:-103.970366

50 ft.

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does not assume any liability for

US PROJECTS/Devon Energy Corporation/2022/2E-01417 - Papa Fritas 27 CTB 1/Figure 1 Confirmatory Schematic Papas Fritas 27 CTB 1.mxd

3-\1-Projects\

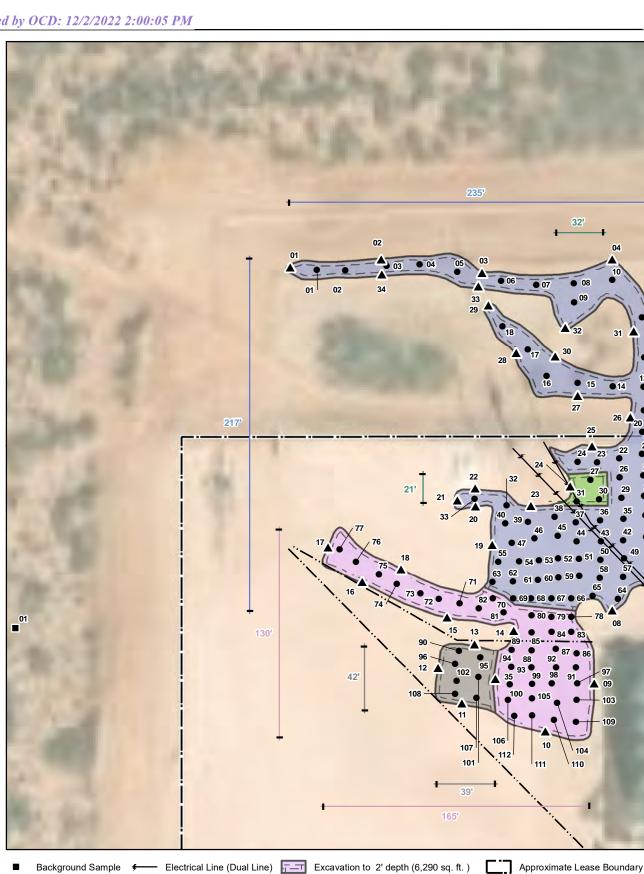
Confirmatory Schematic

Papas Fritas 27 CTB 1

Note: Background image from Esri., 2018, Features from GPS survey, Vertex Professional Services, 2022

Excavation to 2.5' depth (14,364 sq. ft.)

Excavation to 3' depth (474 sq. ft.) Excavation to 4' depth (1,254 sq. ft.)



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FIGURE:

3

VERSATILITY. EXPERTISE.

devon

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13

ATTACHMENT 3

Company Contacts

Representative	Company	Telephone	E-mail
Wes Mathews	Devon Energy	575-578-6195	Wesley.Mathews@dvn.com
Bob Allen	SESI	575-397-0510	ballen@sesi-nm.com

Background

Safety and Environmental Solutions, Inc., hereinafter referred to as (SESI) was contracted by Devon Energy to assess a release at the Papas Fritas 27 CTB 1 location. This site is situated in UL O, Section 27, Township 23S and Range 29E, in Lea County New Mexico. We are addressing the release in this plan which will be remediated upon plan approval.

According to the NOR for incident NAPP2113158013, corrosion on a fitting resulted in the release of 150 bbls of produced water. A vacuum truck was dispatched and recovered 125 bbls free-standing fluid.

This workplan addresses two incident numbers, NAPP2113158013 & NAPP2127146416. This single event was documented or reported twice, one is a duplicate.

Surface and Ground Water

According to the NMOCD Oil and Gas Map, there is no surface water within 3,000 feet of this location and spill areas. Depth to groundwater determination was not successfully established based on the guidelines required by NMOCD; therefore, Devon will remediate these spills according to the most stringent criteria set forth by NMOCD in NMAC 19.15.29.

Characterization

The release has been fully delineated both vertically and horizontally, which includes establishing horizontal and vertical extent of delineation to the most stringent standard of 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene.

Release Area (NAPP2113158013), Investigation

SESI personnel tracked and mapped the release and sampled the area to achieve both vertical and horizontal delineation. Samples were taken at the surface and 1-foot intervals until field testing indicated the samples to meet target levels. The horizontal extent samples are denoted on the map with an H beside the sample number. The samples were properly preserved and packaged and sent to Hall Environmental Labs for testing. The results of the analytical are captured in the summary table below.

Sample ID	Chloride	TPH	Sample ID	Chloride	TPH
AH-1 @ Surf	NT	NT	AH-9 @ Surf	NT	NT
AH-1 @ 1'	2220	NT	AH-9 @ 1'	<108	07
AH-1 @ 2'	160	01			
			AH-10 @ Surf	NT	NT

Table 2 – Field Test Samples

AH-2 @ Surf	NT	NT		AH-10 @ 1'	1532	NT
AH-2 @ 1'	2604	NT		AH-10 @ 2'	220	12
AH-2 @ 2'	1648	NT		AH-11 @ Surf	NT	NT
AH-2 @ 2'	160	05		AH-11 @ 1'	1648	NT
AI 1-2 @ 3	100	03		AH-11 @ 2'	1040	04
AH-3 @ Surf	NT	NT		An-II @ Z	100	04
AH-3 @ 301	160	03		AH-12 @ Surf	NT	NT
AII-3 @ I	100	03		AH-12 @ 3uii AH-12 @ 1'	1532	NT
				AH-12 @ 1 AH-12 @ 2'	188	10
AH-4 @ Surf	NT	NT		AH-12 @ 2	100	10
-						
AH-4 @ 1'	1648	NT		AH-13 @ Surf	NT	NT
AH-4 @ 2'	188	05		AH-13 @ 1'	1772	NT
				AH-13 @ 2'	220	09
AH-5 @ Surf	NT	NT				
AH-5 @ 1'	1772	NT		AH-14 @ Surf	NT	NT
AH-5 @ 2'	188	02		AH-14 @ 1'	1648	NT
				AH-14 @ 2'	<108	10
AH-6 @ Surf	NT	NT				
AH-6 @ 1'	<108	01		AH-15 @ Surf	NT	NT
				AH-15 @ 1'	2604	NT
AH-7 @ Surf	NT	NT		AH-15 @ 2'	<108	03
AH-7 @ 1'	1772	NT				
AH-7 @ 2'	188	07				
AH-8 @ Surf	NT	NT				
AH-8 @ 1'	1648	NT				
AH-8 @ 2'	252	04				
		Horizo	ntal San	nples		
Sample ID	Chloride	TPH		Sample ID	Chloride	TPH
H-N Surf 1	<108	NT		H-S Surf	252	NT
H-N Surf 2	<108	NT		H-E Surf 1	108	NT
H-W Surf 1	<108	NT		H-E Surf 2	252	NT
H-W Surf 2	220	NT				
H-W Surf 3	220	NT				
H-W Surf 4	252	NT				1

Release Area (NAPP2113158013), Action Plan

Based on the results above for vertical extent samples AH-1 through AH-15, SESI respectfully recommends the entire leak of release area be remediated to a depth of 2 to 3 foot where applicable. The excavation area is outlined in the map of this release located in this report. Once this remediation plan is approved, Devon will perform the remediation and all removed soil will be disposed of in an OCD-approved landfill. Devon will then conduct both bottom and sidewall confirmation sampling to ensure all contaminated materials have been removed to the most stringent criteria established by NMOCD. Upon receipt of lab results verifying all contaminants have been removed, Devon will backfill the site with uncontaminated soil. If it becomes apparent that facility equipment and/or structure integrity is compromised, SESI respectfully requests deferment of those areas until a later date. If this happens, pictures of the area of equipment/structures will be provided to provide evidence of deferral necessity.

Client Name: Devon Energy Production Company Site Name: Papas Fritas 27 CTB 1 NMOCD Tracking #: nAPP2127146416 Project #: 22F-01417

		Table 3. Confirma					/	-					
	Sample Descrip	otion	FI	eld Screeni	ng	Val	-+: -	Petrole	um Hydrod				Incorrectio
Sample ID	Depth (ft)	Sample Date	원 Volatile Organic Compounds 필 (PID)	표 Extractable Organic 표 Compounds (PetroFlag)	ය) යේ Chloride Concentration (ස	euezeue (mg/kg)	atile BTEX (Total) (ga/ga)	සු Gasoline Range Organics කී (GRO)	ස් Diesel Range Organics ක් (DRO)	(Mator Oil Range Organics (MRO) (MRO)	(OXO + OXO) (mg/kg)	සු Total Petroleum සු Hydrocarbons (TPH)	Inorganic Chloride Concentration (mg/kg)
BES22-01	2	10/5/2022	0	-	76	ND	ND	ND	ND	ND	ND	ND	ND
BES22-02	2.5	10/19/2022	0	44	360	ND	ND	ND	ND	ND	ND	ND	ND
BES22-03	2	10/5/2022	0	23	75	ND	ND	ND	ND	ND	ND	ND	ND
BES22-04	2.5	10/19/2022	0	-	460	ND	ND	ND	ND	ND	ND	ND	ND
BES22-05	2.5	10/19/2022	0	-	457	ND	ND	ND	ND	ND	ND	ND	ND
BES22-06	2.5	10/19/2022	0	-	457	ND	ND	ND	ND	ND	ND	ND	ND
BES22-07	2.5	10/27/2022	0	-	602	ND	ND	ND	ND	ND	ND	ND	ND
BES22-08	2.5	10/19/2022	0	25	420	ND	ND	ND	ND	ND	ND	ND	ND
BES22-09	2.5	10/19/2022	0	-	512	ND	ND	ND	ND	ND	ND	ND	ND
BES22-10	2.5	10/19/2022	0	-	425	ND	ND	ND	ND	ND	ND	ND	ND
BES22-11	2.5	10/27/2022	0	30	227	ND	ND	ND	ND	ND	ND	ND	ND
BES22-12	2.5	10/19/2022	0	-	617	ND	ND	ND	ND	ND	ND	ND	ND
BES22-13	2.5	10/19/2022	0	15	505	ND	ND	ND	ND	ND	ND	ND	ND
BES22-14	2.5	10/19/2022	0	-	505	ND	ND	ND	ND	ND	ND	ND	ND
BES22-15	2.5	10/19/2022	0	-	235	ND	ND	ND	ND	ND	ND	ND	ND
BES22-16	2	10/5/2022	0	57	385	ND	ND	ND	ND	ND	ND	ND	170
BES22-17	2.5	10/19/2022	0	-	335	ND	ND	ND	ND	ND	ND	ND	ND
BES22-18	2	10/5/2022	0	-	53	ND	ND	ND	ND	ND	ND	ND	ND
BES22-19	2.5	10/19/2022	0	-	605	ND	ND	ND	ND	ND	ND	ND	ND
BES22-20	2	10/5/2022	0	-	158	ND	ND	ND	ND	ND	ND	ND	ND
BES22-21	2	10/5/2022	0	27	163	ND	ND	ND	ND	ND	ND	ND	160
BES22-22	2	10/5/2022	0	-	548	ND	ND	ND	ND	ND	ND	ND	250
BES22-23	2	10/5/2022	0	-	476	ND	ND	ND	ND	ND	ND	ND	1400
BES22-23	2.5	10/19/2022	0	-	257	ND	ND	ND	ND	ND	ND	ND	ND
BES22-24	2	10/5/2022	0	-	161	ND	ND	ND	ND	ND	ND	ND	ND
BES22-25	2.5	10/19/2022	0	-	532	ND	ND	ND	ND	ND	ND	ND	300
			0		600								07

608

700

325

325

650

285

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390

387

715

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373

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267

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BES22-26

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BES22-37

BES22-38

BES22-39

RFS22-40

BES22-41

BES22-42

BES22-43

BES22-44

BES22-45

BES22-46

BES22-47

BES22-48

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Sample Description Field Screening Petroleum Hydrocarbons Sample ID Depth (ft) Sample Date 90/10/10/10/10/10/10/10/10/10/10/10/10/10	Inorganic Inorganic Unorganic Culoride Chorcentration Chorcentration Chorcentration ND ND ND ND ND ND ND ND ND ND ND ND ND
Sample ID Depth (ft) Sample Date isometry in the second secon	Concentration Marketi
BES2-49 2.5 10/14/2022 0 - 582 ND	ND ND ND ND ND ND ND
BES22-50 2.5 10/14/2022 0 - 466 ND	ND ND ND ND ND
BES22-S2 2 10/14/2022 0 - 557 ND	ND ND ND ND
BE52-53 2.5 10/14/2022 0 - 388 ND	ND ND ND
BE522-54 2 10/14/2022 0 - 437 ND	ND ND
BES22-55 2.5 10/14/202 0 - 356 ND	ND
BES22-56 2.5 10/14/2022 0 - 312 ND	
BES22-57 2.5 10/14/2022 0 - 318 ND	
BE522-58 2.5 10/14/2022 0 - 567 ND	ND
BES22-59 2.5 10/14/2022 0 - 486 ND A99 BES22-60 2.5 10/14/2022 0 - 260 ND	ND
BES22-61 2.5 10/14/2022 0 - 260 ND ND ND ND ND ND ND BES22-62 2.5 10/14/2022 0 - 346 ND SE SE	ND
BES22-62 2.5 10/14/2022 0 - 346 ND	ND
BES22-63 2.5 10/14/2022 0 - 321 ND	ND
BES22-64 2.5 10/14/2022 0 - 280 ND	ND
BES22-65 2 10/6/2022 0 - 213 ND	ND ND
BES22-66 2.5 10/14/2022 0 - 272 ND	ND 97
BES22-67 2 10/6/2022 0 - 792 ND	ND
BES22-67 2.5 10/14/2022 0 - 232 ND	450
BES22-69 2.5 10/14/2022 0 - 365 ND	ND
BES22-70 2 10/14/2022 0 58 589 ND	ND
BES22-71 2 10/14/2022 0 - 602 ND	ND
BES22-72 2 10/14/2022 0 - 489 ND	ND
BES22-73 2 10/14/2022 0 - 436 ND ND ND ND ND ND ND ND ND	ND
	ND ND
BES22-74 2 10/14/2022 0 - 505 ND ND ND ND ND ND ND ND ND	ND
BES22-75 2 10/14/2022 0 - 260 ND ND ND ND ND ND ND ND ND	ND
BES22-76 2 10/14/2022 0 - 382 ND ND ND ND ND ND ND ND ND	ND
BES22-77 2 10/14/2022 0 47 561 ND ND ND ND ND ND ND ND ND	ND
BES22-78 2 10/14/2022 0 - 477 ND ND ND ND ND ND ND ND ND	ND
BES22-79 2 10/14/2022 0 - 568 ND ND ND ND ND ND ND ND ND	ND
BES22-80 2 10/14/2022 0 - 529 ND	ND
	ND ND
BES22-82 2 10/14/2022 0 92 228 ND	ND
BES22-83 2 10/14/2022 0 - 720 ND	ND
BES22-85 2 10/6/2022 0 - 1,283 ND	ND
BES22-86 2 10/13/2022 0 18 342 ND ND ND ND ND ND ND ND ND	ND
BES22-87 2 10/13/2022 0 - 397 ND ND ND ND ND ND ND ND ND	ND
BES22-88 2 10/13/2022 0 - 485 ND	ND
BES22-89 2 10/13/2022 0 - 709 ND	ND ND
BES22-90 4 10/6/2022 0 1 38 ND	ND
BES22-91 2 10/13/2022 0 48 590 ND	ND
BES22-93 2 10/13/2022 0 - 532 ND	ND
BES22-94 2 10/13/2022 0 61 246 ND	ND
BES22-95 4 10/6/2022 0 - 203 ND ND ND ND ND ND ND ND ND	90
BES22-96 4 10/6/2022 0 - 20 ND ND ND ND ND ND ND ND ND	ND
BES22-97 2 10/13/2022 0 - 435 ND	ND
BES22-98 2 10/13/2022 0 - 492 ND	ND ND
BES22-99 2 10/13/2022 0 - 460 ND	
BES22-100 2 10/13/2022 0 33 012 ND	
BE322-101 4 10/13/2022 0 - 245 ND	ND ND
BES22-103 2 10/13/2022 0 - 447 ND	ND
BES22-104 2 10/6/2022 0 - 493 ND	ND ND



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	Т	able 3. Confirma	tory Samp	le Field Sc	reen and	Laborator	y Results -	Depth to	Groundw	ater <50 f	eet bgs		
9	Sample Descrip	otion	Fie	eld Screeni	ng		-	Petrole	eum Hydro	carbons	-		
			ds			Vol	atile			Extractable	9		Inorganic
Sample ID	Depth (ft)	Sample Date	원 Volatile Organic Compounds ③ (PID)	편 편 표 Compounds (PetroFlag)	d) dd Chloride Concentration	enaene (mg/kg)	a) BTEX (Total) (a)	ଅ ଜ୍ଞ ସେoline Range Organics ଅନ୍ଧି (GRO)	ଅ ଅଧି ଅଧି (DRO)	ଇ Motor Oil Range Organics ଅନି (MRO)	(GRO + DRO) (mg/kg)	ଞ୍ଚି Total Petroleum ଝ୍ରୁ ମୁୁୁୁୁ Hydrocarbons (TPH)	w) Sa//sa (a)
BES22-105	2	10/13/2022	0	24	252	ND	ND	ND	ND	ND	ND	ND	ND
BES22-106	2	10/6/2022	0	5	355	ND	ND	ND	ND	ND	ND	ND	150
BES22-107	4	10/13/2022	0	-	481	ND	ND	ND	ND	ND	ND	ND	ND
BES22-108	4	10/6/2022	0	-	431	ND	ND	ND	ND	ND	ND	ND	210
BES22-109	2	10/6/2022	0	-	635	ND	ND	ND	ND	ND	ND	ND	400
BES22-110	2	10/13/2022	0	-	462	ND	ND	ND	ND	ND	ND	ND	ND
BES22-111	2	10/13/2022	0	-	477	ND	ND	ND	ND	ND	ND	ND	ND
BES22-112	2	10/13/2022	0	20	384	ND	ND	ND	ND	ND	ND	ND	ND
BES22-113	2	10/13/2022	0	-	440	ND	ND	ND	ND	ND	ND	ND	ND
WES22-01	1	10/7/2022	0	-	ND	ND	ND	ND	ND	ND	ND	ND	ND
WES22-02	1	10/7/2022	0	19	ND	ND	ND	ND	ND	ND	ND	ND	ND
WES22-03	1	10/19/2022	0	64	300	ND	ND	ND	ND	ND	ND	ND	ND
WES22-04	1	10/19/2022	0	-	429	ND	ND	ND	ND	ND	ND	ND	ND
WES22-05	1	10/19/2022	0	-	562	ND	ND	ND	ND	ND	ND	ND	ND
WES22-06	1	10/19/2022	0	-	605	ND	ND	ND	ND	ND	ND	ND	110
WES22-07	1	10/19/2022	0	-	622	ND	ND	ND	ND	ND	ND	ND	ND
WES22-08	1	10/18/2022	0	-	297	ND	ND	ND	ND	ND	ND	ND	ND
WES22-09	1	10/13/2022	0	-	372	ND	ND	ND	ND	ND	ND	ND	ND
WES22-10	1	10/18/2022	0	79 37	535	ND	ND	ND	ND	ND	ND	ND	760
WES22-10	1	10/27/2022	0	37	622	ND	ND	ND	ND	ND	ND	ND	ND
WES22-11	1	10/18/2022	0	- 28	345 ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND	ND ND	120 ND
WES22-12	2	10/7/2022	0	28	190	ND ND	ND	ND ND	ND ND	ND	ND ND	ND	ND
WES22-13	2	10/18/2022	0	-	190 419	ND	ND	ND ND	ND	ND	ND ND	ND	160
WES22-14 WES22-15	2	10/18/2022	0	-	362	ND	ND	ND	ND	ND	ND	ND	66
	1	10/18/2022	0	50	384	ND	ND	ND	ND	ND	ND	ND	130
WES22-16	1	10/18/2022 10/7/2022	0		580	ND	ND	ND	ND	ND	ND	ND	350
WES22-17 WES22-18	1		0		243	ND	ND	ND	ND	ND	ND	ND	180
WES22-18 WES22-19	1	10/18/2022 10/19/2022	0	_	597	ND	ND	ND	ND	ND	ND	ND	89
WES22-19 WES22-20	1	10/7/2022	0	54	343	ND	ND	ND	ND	ND	ND	ND	330
WES22-20	1	10/7/2022	0	-	290	ND	ND	ND	ND	ND	ND	ND	ND
WES22-22	1	10/19/2022	0	-	245	ND	ND	ND	ND	ND	ND	ND	140
WES22-22	1	10/19/2022	0	17	352	ND	ND	ND	ND	ND	ND	ND	97
WES22-24	1	10/18/2022	0	-	371	ND	ND	ND	ND	ND	ND	ND	ND
WES22-25	1	10/19/2022	0	-	532	ND	ND	ND	ND	ND	ND	ND	110
WES22-26	1	10/19/2022	0	-	555	ND	ND	ND	ND	ND	ND	ND	ND
WES22-27	1	10/19/2022	0	64	428	ND	ND	ND	ND	ND	ND	ND	ND
WES22-28	1	10/19/2022	0	21	605	ND	ND	ND	ND	ND	ND	ND	ND
WES22-29	1	10/19/2022	0	-	490	ND	ND	ND	ND	ND	ND	ND	ND
WES22-30	1	10/7/2022	0	23	24	ND	ND	ND	ND	ND	ND	ND	110
WES22-31	1	10/19/2022	0	-	612	ND	ND	ND	ND	ND	ND	ND	ND
WES22-32	1	10/19/2022	0	-	540	ND	ND	ND	ND	ND	ND	ND	ND
WES22-33	1	10/19/2022	0	-	529	ND	ND	ND	ND	ND	ND	ND	ND
WES22-34	1	10/7/2022	0	-	ND	ND	ND	ND	ND	ND	ND	ND	ND
WES22-35	1	10/7/2022	0	-	20	ND	ND	ND	ND	ND	ND	ND	300

"ND" Not Detected at the Reporting Limit

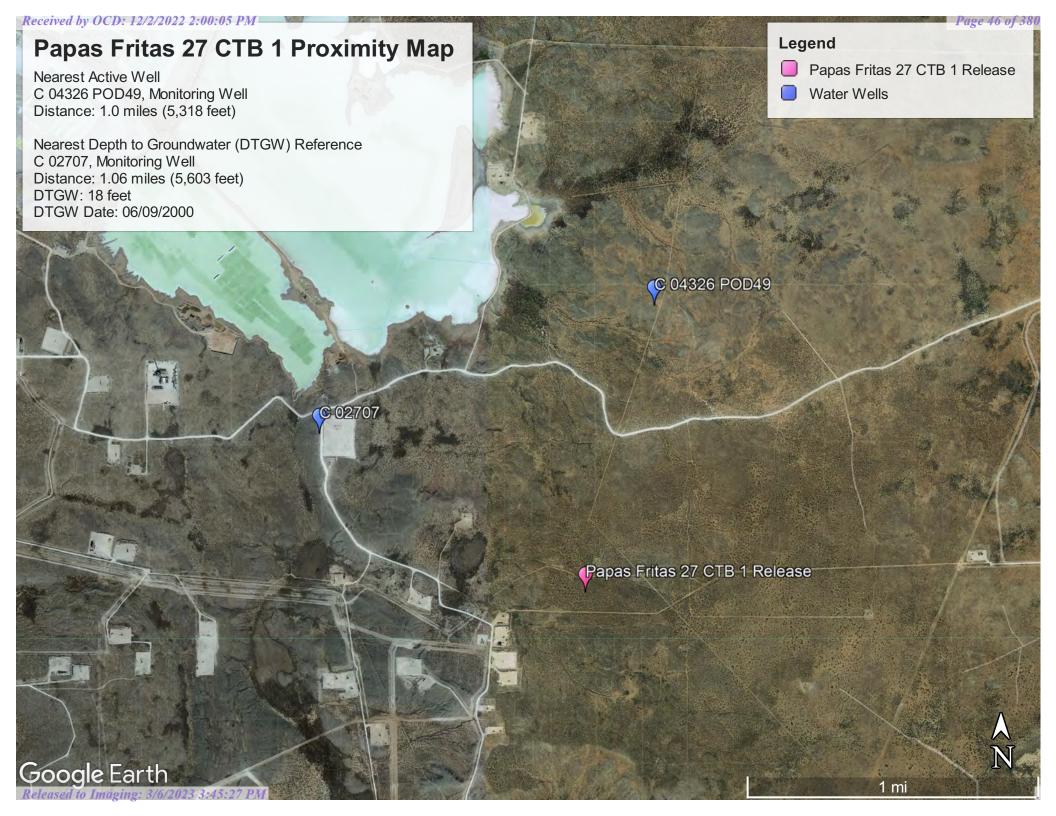
"-" indicates not analyzed/assessed

Bold and grey shaded indicates exceedance outside of NMOCD Closure Criteria (on-pad) Bold and green shaded indicates exceedance outside of NMOCD Reclamation Criteria (off-pad)



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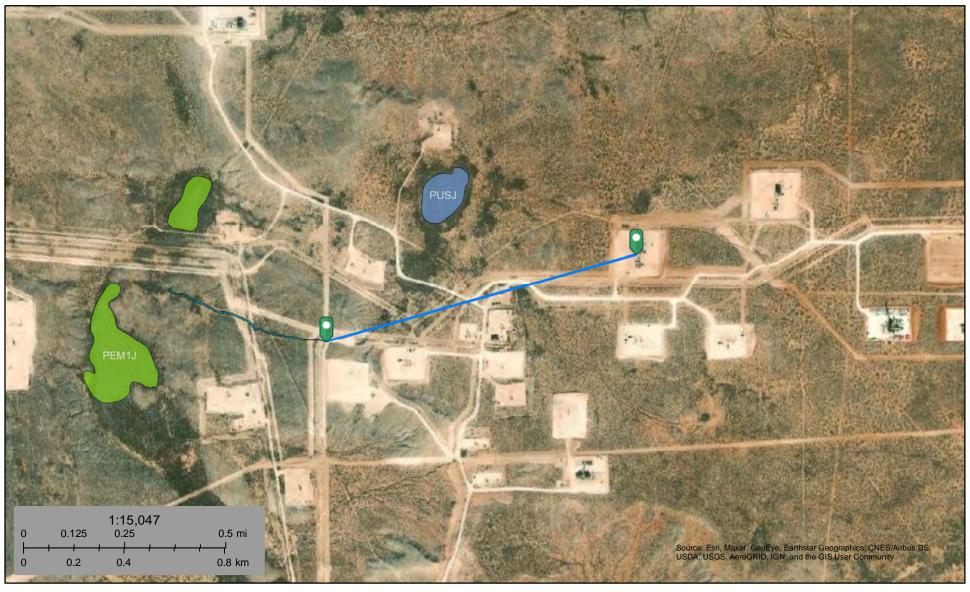
ATTACHMENT 4



U.S. Fish and Wildlife Service

National Wetlands Inventory

Intermittent 3,555 feet



May 3, 2022

Wetlands

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland

Released to Imaging: 3/6/2023 3:45:27 PM

- Freshwater Emergent Wetland Freshwater Forested/Shrub Wetland
- **Freshwater Pond**

Lake Other Riverine

This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

National Wetlands Inventory

Pond 2,002 feet



May 3, 2022

Wetlands

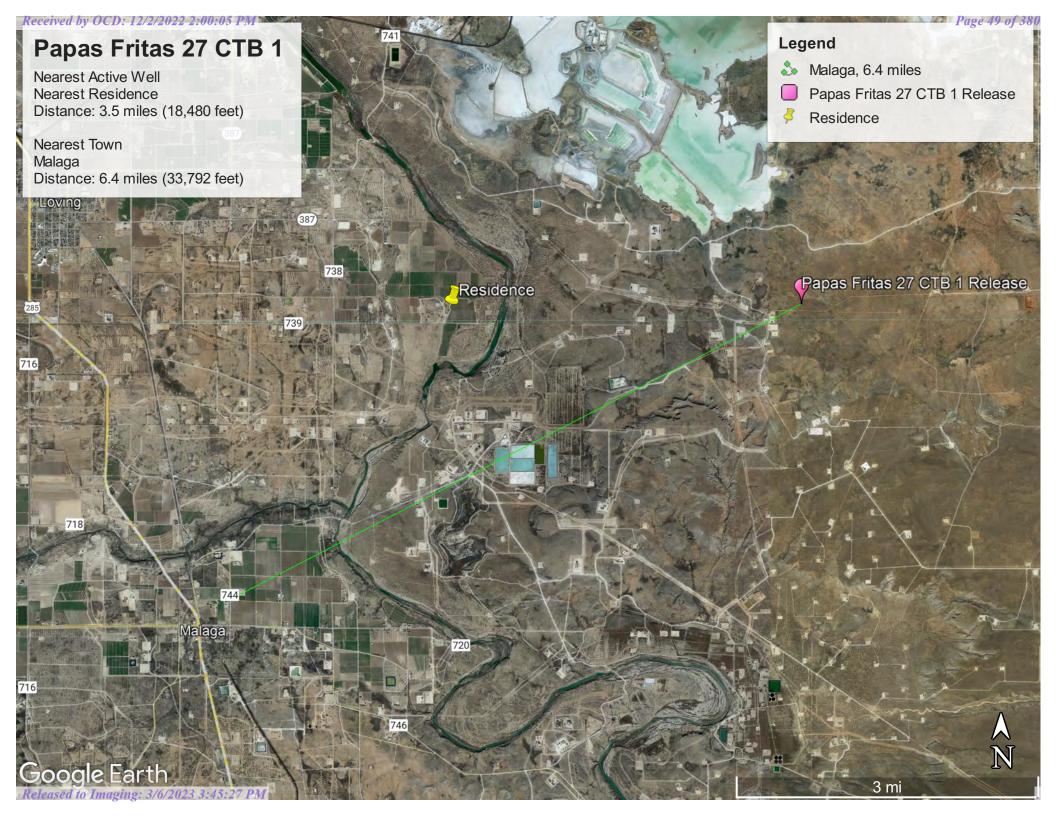
- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland
- Freshwater Forested/Shrub Wetland

Freshwater Emergent Wetland

Freshwater Pond

Lake Other Riverine

This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.



		w Mexico Office of the State Engineer nt of Diversion Summary
		(quarters are 1=NW 2=NE 3=SW 4=SE) (quarters are smallest to largest) (NAD83 UTM in meters)
Well Tag	POD Number	Q64 Q16 Q4 Sec Tws Rng X Y
NA	C 04326 POD49	2 4 3 23 23S 29E 597378 3572591 🌍
x Driller Lic Driller Nat		Driller Company:
Drill Start	Date:	Drill Finish Date: Plug Date:
Log File D	ate:	PCW Rcv Date: Source:

Pipe Discharge Size:

Depth Well:

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, or suitability for any particular purpose of the data.

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Pump Type:

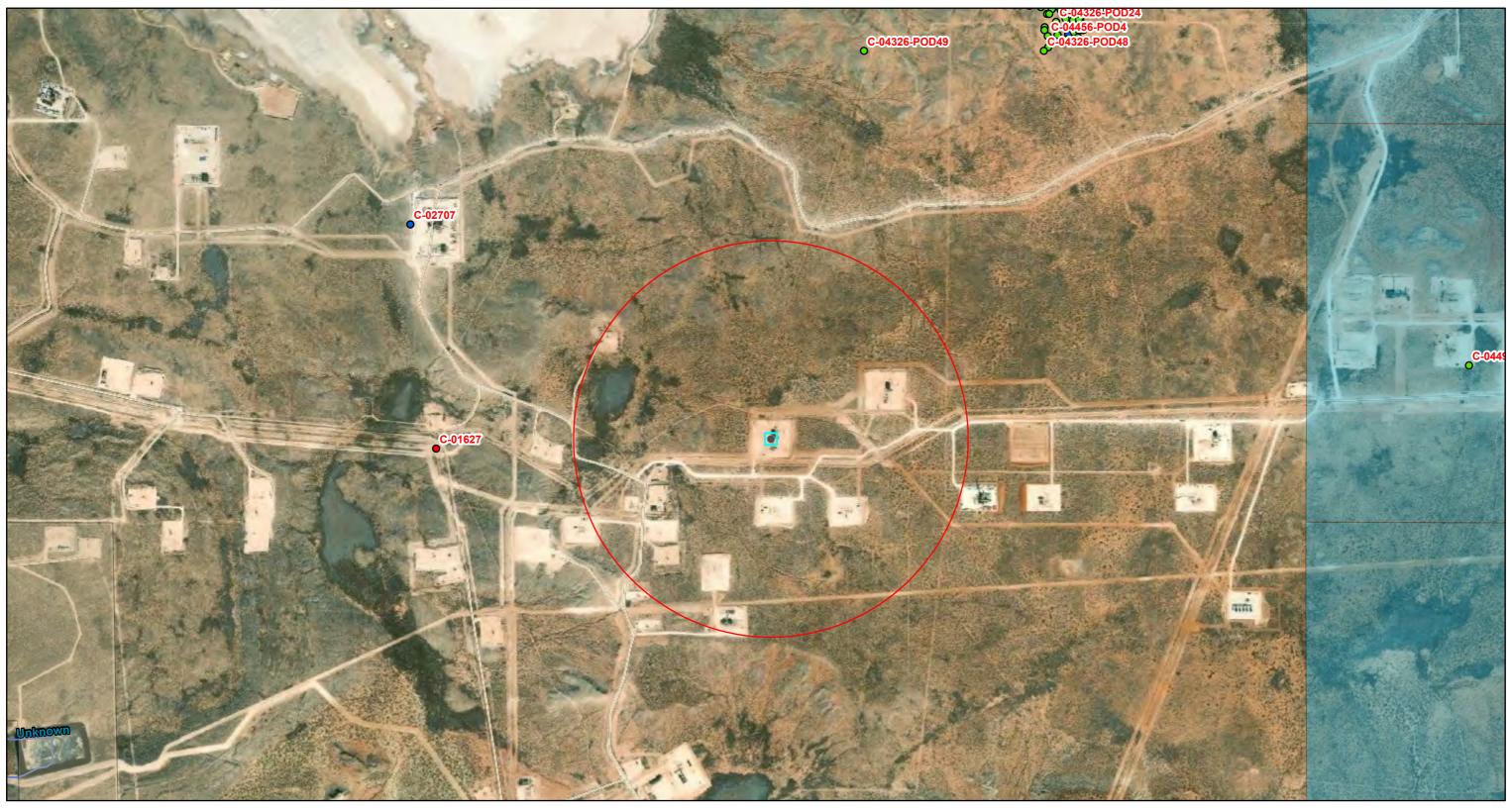
Casing Size:

POINT OF DIVERSION SUMMARY

Estimated Yield:

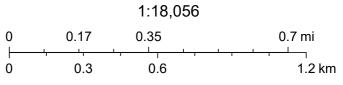
Depth Water:

OSE POD Locations 0.5 mile



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Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community, Esri, HERE, Garmin, (c) OpenStreetMap contributors, Esri, HERE, Garmin, (c) OpenStreetMap contributors, and the GIS user community, U.S. Department of Energy Office of Legacy

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New Mexico Office of the State Engineer Water Right Summary

	WR File Num	nber: C 0	2707		Subbasin:	С	Cross Refe	erence:	-	
	Primary Purp	pose:								
<u>get image list</u>	Primary Statu	us: PM	T PER	MIT						
	Total Acres:				Subfile:	-			Header:	-
	Total Diversio	on: 0			Cause/Case:	-				
	Own	ner: IMC	C KALIU	М						
	Conta	act: SCO	OTT VAI	- -						
ocuments	s on File									
			S	tatus			From/			
	Trn # Doc	File/Act	8 1	tatus 2	Transaction Desc.		From/ To	Acres	Diversion	Consumptive
g <u>et</u>		File/Act 2000-05-15	1	2	Transaction Desc C 02707			Acres	Diversion 3	Consumptive
<u>get</u> images	466312 72121	2000-05-15	1	2			То	Acres		Consumptive
<u>get</u> images		2000-05-15	1	2	C 02707		To T	Acres		Consumptive
<u>get</u> images	466312 72121	2000-05-15	1	2	C 02707		То	Acres		Consumptive
i <u>mages</u> : Current Po	466312 72121	2000-05-15	1 PM7	2 LOG Q 64Q16	C 02707		To T			

T The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

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WATER RIGHT SUMMARY

New Mexico Office of the State Engineer Water Right Summary

	WR File Number:	C 04326	Subbasin: CUB	Cross Reference:	-
	Primary Purpose:	MON MONITORING	WELL		
<u>get image list</u>	Primary Status:	PMT PERMIT			
	Total Acres:		Subfile: -		Header: -
	Total Diversion:	0	Cause/Case: -		
	Agent:	LT ENVIRONMENTAL	INC		
	Contact:	STUART HYDE, LG			
	User:	XTO ENERGY INC			
	Contact:	KYLE LITTRELL			

Documents on File

				Sta	ntus		From/			
	Trn #	Doc	File/Act	1	2	Transaction Desc.	То	Acres	Diversion	Consumptive
image get	<u>684112</u>	EXPL	2020-12-28	PMT	APR	C 04326 POD47-53	Т	0	0	
image get	<u> 681901 </u>	EXPL	2020-11-18	PMT	APR	C 04326 POD46	Т	0	0	
image get	<u> 668116 </u>	EXPL	2020-02-24	PMT	APR	C 04326 POD44-45	Т	0	0	
<u>get</u> <u>image</u>	<u>s 663909</u>	EXPL	2020-01-02	PMT	APR	C 04326 POD40-43	Т	0	0	
<u>get</u> <u>image</u>	<u>s 661556</u>	EXPL	2019-10-29	PMT	APR	C 04326 POD30-39	Т	0	0	
<u>get</u> <u>image</u>	<u> 658978 </u>	EXPL	2019-09-20	PMT	APR	C 04326 POD17-29	Т	0	0	
image		EXPL	2019-05-08	PMT	LOG	C 04326 POD1-16	Т	0	0	

(NAD83 UTM in meters)

Current Points of Diversion

			Q							,	
POD Number	Well Tag	Source	64	Q16	Q4	Sec	Tws	Rng	Х	Y	Other Location Desc
<u>C 04326 POD1</u>	NA		1	2	3	23	23S	29E	598125	3572992 🧧	BH01
<u>C 04326 POD10</u>	NA		4	2	3	23	23S	29E	598170	3572882 🧲	BH10
<u>C 04326 POD11</u>	NA		4	2	3	23	23S	29E	598221	3572827 🧲	BH11
<u>C 04326 POD12</u>	NA		4	2	3	23	23S	29E	598229	3572790 🧲	BH12
<u>C 04326 POD13</u>	NA		4	2	3	23	23S	29E	598250	3572791 🧧	BH13
<u>C 04326 POD14</u>	NA	Shallow	4	2	3	23	23S	29E	598191	3572765 🧲	BH14
<u>C 04326 POD15</u>	NA		2	4	3	23	23S	29E	598202	3572692 🧲	BH15
<u>C 04326 POD16</u>	NA	Shallow	2	4	3	23	23S	29E	598209	3572664 🧲	BH16
<u>C 04326 POD17</u>	NA		4	2	3	23	23S	29E	598198	3572729 🧧	BH17
<u>C 04326 POD18</u>	NA		4	2	3	23	23S	29E	598169	3572792 🧧	BH18
<u>C 04326 POD19</u>	NA		2	4	3	23	23S	29E	598233	3572673 🧧	BH19
<u>C 04326 POD2</u>	NA		1	2	3	23	23S	29E	598156	3572980 🧉	BH02
<u>C 04326 POD20</u>	NA		2	4	3	23	23S	29E	598250	3572684 🧉	BH20
<u>C 04326 POD21</u>	NA		2	4	3	23	23S	29E	598250	3572654 🥑	BH21
<u>C 04326 POD22</u>	NA		4	2	3	23	23S	29E	598229	3572722 🧉	BH22
<u>C 04326 POD23</u>	NA		1	4	3	23	23S	29E	598166	3572662 🧲	BH23
<u>C 04326 POD24</u>	NA		3	2	3	23	23S	29E	598160	3572716 🧧	BH24
<u>C 04326 POD25</u>	NA		3	2	3	23	23S	29E	598124	3572747 🌍	BH25

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Received by 2960 12/2/202	2 _{NA} 00:05 PM	4	2	3	23	23S 29E	598193	3572746 🦲	RW01/BH26
<u>C 04326 POD27</u>	NA	2	4	3	23	23S 29E	598272	3572684 🧧	MW01
<u>C 04326 POD28</u>	NA	2	4	3	23	23S 29E	598205	3572644 🦲	MW02
<u>C 04326 POD29</u>	NA	3	2	3	23	23S 29E	598145	3572769	MW03
<u>C 04326 POD3</u>	NA	1	2	3	23	23S 29E	598156	3572962 🧧	BH03
<u>C 04326 POD30</u>	NA	4	2	3	23	23S 29E	598178	3572763 🧧	BH-27
<u>C 04326 POD31</u>	NA	4	2	3	23	23S 29E	598259	3572726 🧿	BH-28
<u>C 04326 POD32</u>	NA	4	2	3	23	23S 29E	598253	3572726 🥘	BH-29
<u>C 04326 POD33</u>	NA	4	2	3	23	23S 29E	598253	3572750 🥘	BH-30
<u>C 04326 POD34</u>	NA	2	4	3	23	23S 29E	598266	3572696 🧲	BH-31
<u>C 04326 POD35</u>	NA	3	2	3	23	23S 29E	598142	3572767 🧲	BH-35
<u>C 04326 POD36</u>	NA	4	2	3	23	23S 29E	598256	3572777 🧲	BH-33
<u>C 04326 POD37</u>	NA	4	2	3	23	23S 29E	598282	3572751 🥑	BH-34
<u>C 04326 POD38</u>	NA	2	4	3	23	23S 29E	598217	3572633 🥑	BH-35
<u>C 04326 POD39</u>	NA	2	4	3	23	23S 29E	598266	3572683 🥑	BH-36
<u>C 04326 POD4</u>	NA	1	2	3	23	23S 29E	598136	3572962 🥑	BH04
<u>C 04326 POD40</u>	NA		2	3	23	23S 29E	598115	3572815 🥑	BH-37
<u>C 04326 POD41</u>	NA		2	3	23	23S 29E	598098	3572775 🥑	BH-38
<u>C 04326 POD42</u>	NA		2	3	23	23S 29E	598113	3572694 🥑	BH-39
<u>C 04326 POD43</u>	NA		2	3	23	23S 29E	598154	3572971 🥑	BH-40
<u>C 04326 POD44</u>	NA	3	2	3	23	23S 29E	598050	3572781 🥘	BH-49
<u>C 04326 POD45</u>	NA	3	2	3	23	23S 29E	598096	3572822 🥘	BH-50
<u>C 04326 POD46</u>	NA	3	2	3	23	23S 29E	598132	3572748 🥑	BH61
<u>C 04326 POD47</u>	NA	1	4	3	23	23S 29E	598129	3572612 🥘	BH54
<u>C 04326 POD48</u>	NA	1	4	3	23	23S 29E	598111	3572597 🌍	BH55
<u>C 04326 POD49</u>	NA	2	4	3	23	23S 29E	597378	3572591 🥘	BH56
<u>C 04326 POD5</u>	NA	2	2	3	23	23S 29E	598170	3572940 🌍	BH05
<u>C 04326 POD50</u>	NA	3	2	3	23	23S 29E	597992	3572782 🌍	BH57
<u>C 04326 POD51</u>	NA	3	2	3	23	23S 29E	598035	3572817 🌍	BH58
<u>C 04326 POD52</u>	NA	4	2	3	23	23S 29E	598367	3572767 🥘	BH59
<u>C 04326 POD53</u>	NA	4	2	3	23	23S 29E	598326	3572820 🌍	BH60
<u>C 04326 POD6</u>	NA	1	2	3	23	23S 29E	598125	3572940 🌍	BH06
<u>C 04326 POD7</u>	NA	3	2	3	23	23S 29E	598157	3572894 🥘	BH07
<u>C 04326 POD8</u>	NA	3	2	3	23	23S 29E	598097	3572884 🥘	BH08
<u>C 04326 POD9</u>	NA	3	2	3	23	23S 29E	598136	3572873 🥘	BH09

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WATER RIGHT SUMMARY

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New Mexico Office of the State Engineer

Active & Inactive Points of Diversion

(with Ownership Information)

X						(with O	which Sh	(R=POD has been replaced and						
		(acre ft per annum)						no longer serves this file, C=the file is closed)	d (quarters are 1=NW 2=NE 3=SW 4=SE) (quarters are smallest to largest) (NAD83 UTM in meters)					
NUD ET NI	Sub		p	0	c	BOD N. I	Well Tag			999 (11(1)	TD	v	v	D: /
WR File Nbr <u>C 01090</u>	basin CUB	EXP	Diversion () VALLEY LAND COMPANY	ED	POD Number <u>C 01090</u>	Tag	Code Grant	Source	2 2 (ec Tws Rng 6 24S 29E	X 592563	¥ 3568831* 🧉	Distance 4955
<u>C 01091</u>	CUB	EXP	() VALLEY LAND CO.	ED	<u>C 01091</u>				2 2 0	6 24S 29E	592563	3568831* 🧉	4955
<u>C 01217</u>	CUB	COM	150) INTREPID MINING NM LLC US BANK	ED	<u>C 01217 S</u>			Shallow	4 1 4 1	6 23S 29E	595413	3574403* 🧉	3750
<u>C 01627</u>	С	PRO	(NATIONAL ASSOCIATION) EXXON CORPORATION	ED	<u>C 01627</u>				1442	8 23S 29E	595649	3570959* 🦲	1364
<u>C 02012</u>	С	STK	3	B HENRY H GRANDI	ED	<u>C 02012</u>				3 1	6 238 29E	594705	3574293* 🦲	4012
<u>C 02182</u>	С	PRO	() SANTA FE ENERGY	ED	<u>C 02182</u>			Shallow	4 3	0 23S 29E	592328	3571048* 🦲	4685
<u>C 02486</u>	С	PRO	() TEXACO EXPLORATION & PROD.	ED	<u>C 02486</u>				3 2 3 1	9 23S 30E	601304	3572832* 🦲	4661
<u>C 02500</u>	CUB	EXP	() UNITED SALT CORPORATION	ED	<u>C 02500</u>				4321	7 23S 29E	593800	3574791* 🦲	4961
<u>C 02608</u>	CUB	EXP	() UNITED SALT CORPORATION	ED	<u>C 02608</u>			Shallow	3 1 4 1	7 23S 29E	593598	3574387* 🦲	4802
<u>C 02613</u>	CUB	EXP	() UNITED SALT CORPORATION	ED	<u>C 02613</u>				4422	0 23S 29E	594203	3573176* 🦲	3547
C 02622	CUB	COM	() UNITED SALT CORPORATION	ED	<u>C 01217 S</u>			Shallow	4141	6 238 29E	595413	3574403*	3750
C 02707	С) IMC KALIUM	ED	<u>C 02707</u>			Shallow	2 2		595535	3571868*	1708
C 02715		MON) UNITED SALT CORPORATION	ED	C 02715					5 238 29E	596221	3574411*	3491
<u>C 02716</u>		MON) UNITED SALT CORPORATION	ED	C 02716				4 4 4 1		595818	3574002*	3220
C 02717		MON) UNITED SALT CORPORATION	ED	C 02717					6 238 29E	595817	3574407*	3600
<u>C 02718</u>		MON) UNITED SALT CORPORATION	ED	<u>C 02718</u>					6 238 29E	595816	3574812*	3985
C 02720		MON) JOHN WOZNICWICZ	ED	<u>C 02720</u>					1 23S 29E	594911	3573690*	3405
<u>C 02721</u>		MON) JOHN WOZNICWICZ	ED	<u>C 02721</u>					1 238 29E	594915	3572879*	2809
<u>C 02721</u> C 02794		MON) IMC		<u>C 02794</u>							-	4745
					ED					431		596518	3575731*	
<u>C 02795</u>		MON) IMC	ED	<u>C 02795</u>					0 23S 29E	596518	3575731*	4745
<u>C 02797</u>		MON) IMC	ED	<u>C 02797</u>				232		596540	3572895*	1942
<u>C 02808</u>		MON) IMC	ED	<u>C 02808</u>				2 3 1		594909	3574501* 🌍	4075
<u>C 02809</u>		MON) IMC	ED	<u>C 02809</u>					6 23S 29E	594909	3574501* 🥥	4075
<u>C 03057</u>		EXP) UNITED SALT CORPORATION	ED	<u>C 03057 EXPLORE</u>					1 238 29E	594605	3573586* 🌍	3525
<u>C 03058</u>	CUB		() UNITED SALT CORPORATION	ED	<u>C 03058 EXPLORE</u>					6 238 29E	594605	3575206* 🧉	4836
<u>C 03377</u>	С	STK		3 B F & G FARMS	ED	<u>C 03377 POD1</u>				3 3 2 2	9 23S 29E	593596	3571587 🌍	3465
<u>C 03587</u>	CUB	MON	() MOSAIC POTASH CARLSBAD INC	ED	<u>C 03587 POD1</u>			Shallow	1432	9 23S 29E	593337	3570754 🌍	3684
<u>C 04326</u>	CUB	MON	() LT ENVIRONMENTAL INC	ED	<u>C 04326 POD1</u>	NA			1 2 3 2	23 23S 29E	598124	3572992 🌍	2272
					ED	<u>C 04326 POD10</u>				4 2 3 2	3 23S 29E	598170	3572882 🌍	2200
					ED	<u>C 04326 POD11</u>				4 2 3 2	3 23S 29E	598220	3572827 🌍	2181
					ED	<u>C 04326 POD12</u>				4 2 3 2	3 238 29E	598228	3572790 🌍	2155
					ED	<u>C 04326 POD13</u>				4 2 3 2	3 23S 29E	598249	3572791 🌍	2167
					ED	<u>C 04326 POD14</u>			Shallow	4 2 3 2	3 23S 29E	598190	3572765 🌍	2113
					ED	<u>C 04326 POD15</u>				2 4 3 2	3 23S 29E	598202	3572692 🌍	2059
					ED	<u>C 04326 POD16</u>			Shallow	2 4 3 2	3 23S 29E	598209	3572664 🌍	2040
					ED	<u>C 04326 POD17</u>				4 2 3 2	3 23S 29E	598198	3572729 🌍	2087
					ED	<u>C 04326 POD18</u>				4 2 3 2	3 238 29E	598168	3572792 🌍	2123
					ED	<u>C 04326 POD19</u>				2 4 3 2	3 238 29E	598232	3572673 🌍	2062
					ED	<u>C 04326 POD2</u>				1 2 3 2	3 23S 29E	598156	3572980 🌍	2277
					ED	<u>C 04326 POD20</u>				2 4 3 2	3 23S 29E	598249	3572684 🌍	2080
					ED	<u>C 04326 POD21</u>				2 4 3 2	3 23S 29E	598250	3572654 🌍	2056
					ED	<u>C 04326 POD22</u>				4 2 3 2	3 23S 29E	598228	3572722	2099
					ED	<u>C 04326 POD23</u>				1432	3 238 29E	598166	3572662 🧉	2014
					ED	<u>C 04326 POD24</u>				3 2 3 2	3 23S 29E	598160	3572716	2055
					ED	<u>C 04326 POD25</u>				3 2 3 2	3 23S 29E	598123	3572747 🧉	2061
					ED	<u>C 04326 POD26</u>				4 2 3 2	3 23S 29E	598193	3572746	2099
					ED	<u>C 04326 POD27</u>				2432	3 23S 29E	598272	3572684 🦲	2094
					ED	<u>C 04326 POD28</u>				2432	3 23S 29E	598204	3572644 🦲	2022
	_	_	_		ED	<u>C 04326 POD29</u>				3 2 3 2	3 23S 29E	598145	3572769	2091
Released	to In	ıagi	ng: 3/(5/2023 3:45:27 PM									-	

ED	C 04326 POD3		1 2 3 23	225	20F	598156	Page 56 of	f 380
ED			4 2 3 23				3572763	2104
ED			4 2 3 23				3572726	2120
ED			4 2 3 23				3572726	21120
							-	
ED			4 2 3 23				3572750	2136
ED			2 4 3 23	238			3572696	2099
ED			3 2 3 23	238			3572767	2088
ED			4 2 3 23				3572777	2160
ED			4 2 3 23	238			3572751	2154
ED			2 4 3 23				3572633	2019
ED			2 4 3 23				3572683	2090
ED			1 2 3 23				3572962	2251
ED			2 3 23	23S			3572815	2114
ED			2 3 23	23S			3572775	2071
ED			2 3 23				3572694	2010
ED			2 3 23	238			3572971 🥘	2267
ED			3 2 3 23		29E	598050	3572781 🌍	2051
ED	<u>C 04326 POD45</u>		3 2 3 23	238	29E	598095	3572822	2110
ED	<u>C 04326 POD46</u>		3 2 3 23	23S	29E	598131	3572748 🌍	2066
ED	<u>C 04326 POD47</u>		1 4 3 23	23S	29E	598128	3572612 🌍	1951
ED	<u>C 04326 POD48</u>		1 4 3 23	23S	29E	598111	3572597 🌍	1929
ED	<u>C 04326 POD49</u>		2 4 3 23	238	29E	597378	3572591 🔵	1621
ED	<u>C 04326 POD5</u>		2 2 3 23	238	29E	598169	3572940 🌍	2249
ED	<u>C 04326 POD50</u>		3 2 3 23	23S	29E	597992	3572782 🌍	2023
ED	<u>C 04326 POD51</u>		3 2 3 23	23S	29E	598034	3572817 🌍	2075
ED	<u>C 04326 POD52</u>		4 2 3 23	238	29E	598366	3572767 🌍	2218
ED	<u>C 04326 POD53</u>		4 2 3 23	238	29E	598325	3572820 🔵	2235
ED	<u>C 04326 POD6</u>		1 2 3 23	23S	29E	598125	3572940 🌍	2227
ED	<u>C 04326 POD7</u>		3 2 3 23	23S	29E	598157	3572894 🔵	2203
ED	<u>C 04326 POD8</u>		3 2 3 23	238	29E	598097	3572884 😑	2164
ED	<u>C 04326 POD9</u>		3 2 3 23	238	29E	598136	3572873 🌍	2175
ED	<u>C 04456 POD1</u>	NA	1 4 3 23	238	29E	598112	3572682 😑	2000
ED	<u>C 04456 POD2</u>		3 2 3 23	23S	29E	598103	3572791 🌍	2087
ED	<u>C 04456 POD3</u>		3 2 3 23	23S	29E	598134	3572815 🌍	2124
ED	<u>C 04456 POD4</u>		1 4 1 23	23S	29E	598126	3572657 🌍	1987
ED	<u>C 04481 POD1</u>	NA	1 3 4 03	24S	29E	596798	3567778 🌍	3239
ED	<u>C 04481 POD2</u>		1 3 4 03	24S	29E	596851	3567748 🌍	3266
ED	<u>C 04481 POD3</u>		2 4 3 03	24S	29E	596798	3567778 🌍	3239
ED	<u>C 04481 POD4</u>		2 4 3 03	24S	29E	596747	3567685 🌍	3335
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0 XTO ENERGY INC

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0 LT ENVIRONMENTAL INC

0 XTO ENERGY INC

<u>C 04456</u>

<u>C 04481</u>

<u>C 04494</u>

<u>C 04597</u>

CUB MON

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*UTM location was derived from PLSS - see Help

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

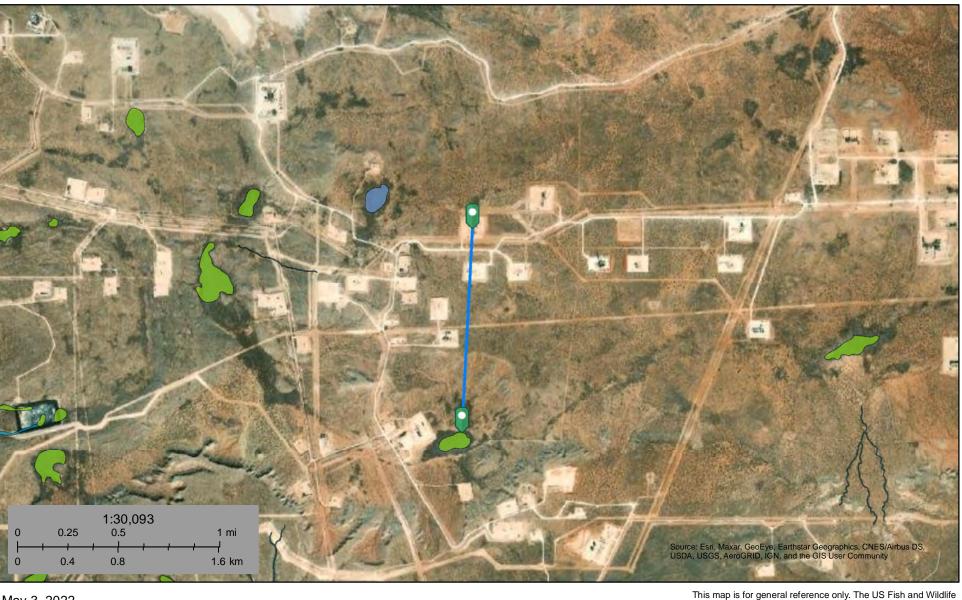
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National Wetlands Inventory

Wetland 4,486 feet



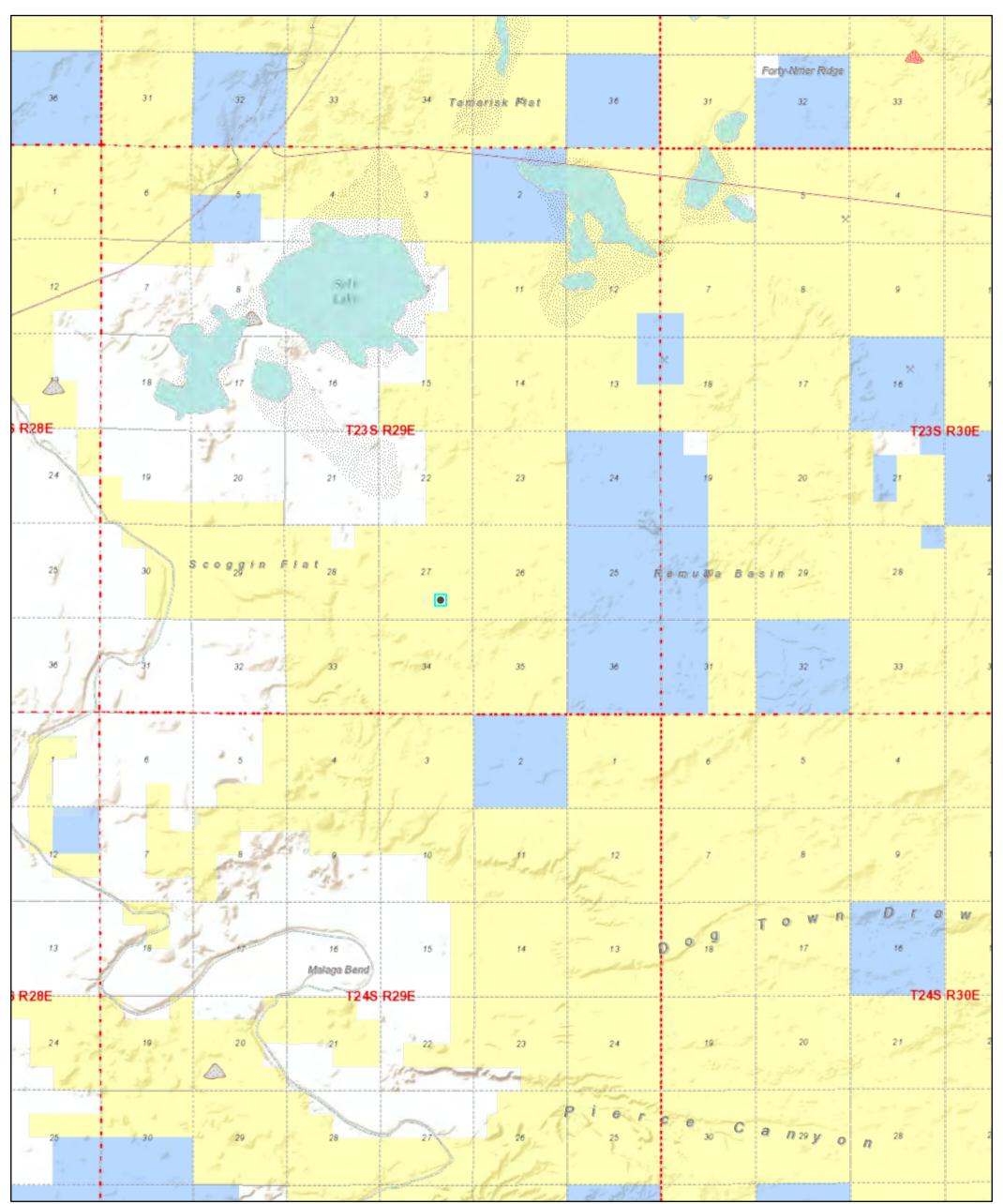
May 3, 2022

Wetlands

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- **Freshwater Pond**

Lake Other Riverine Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

Active Mines in New Mexico



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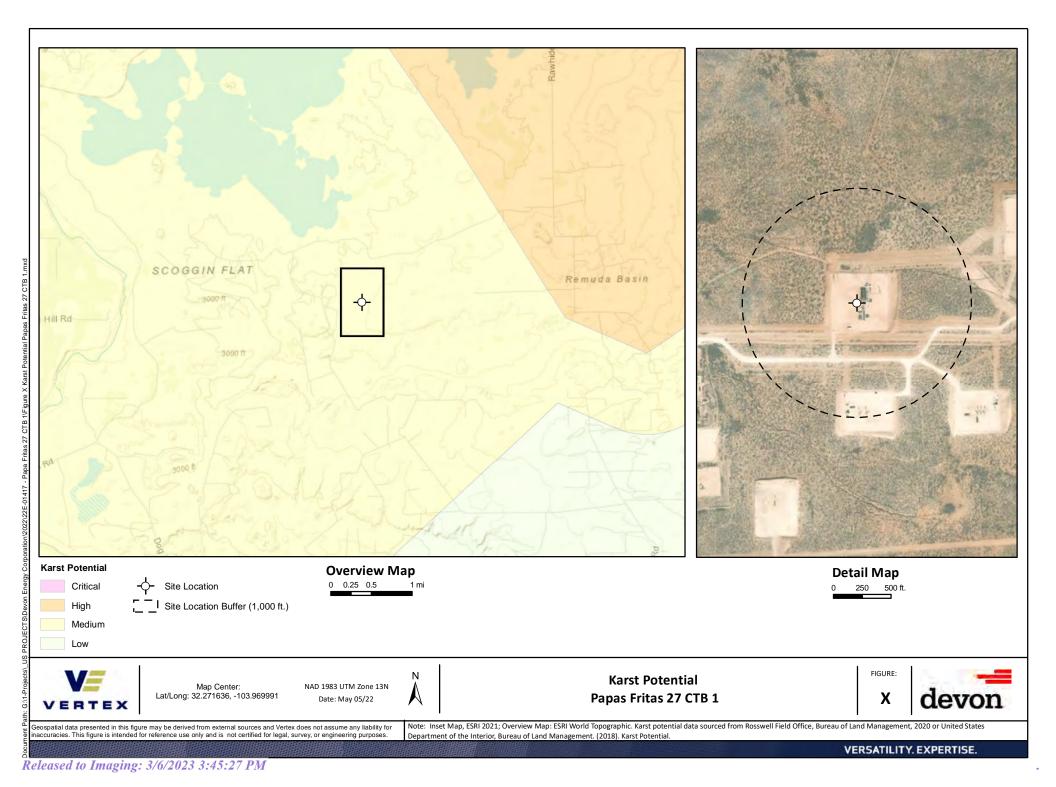


U.S. Bureau of Land Management - New Mexico State Office, Sources: Esri, USGS, NOAA, Sources: Esri, Garmin, USGS, NPS

EMNRD MMD GIS Coordinator

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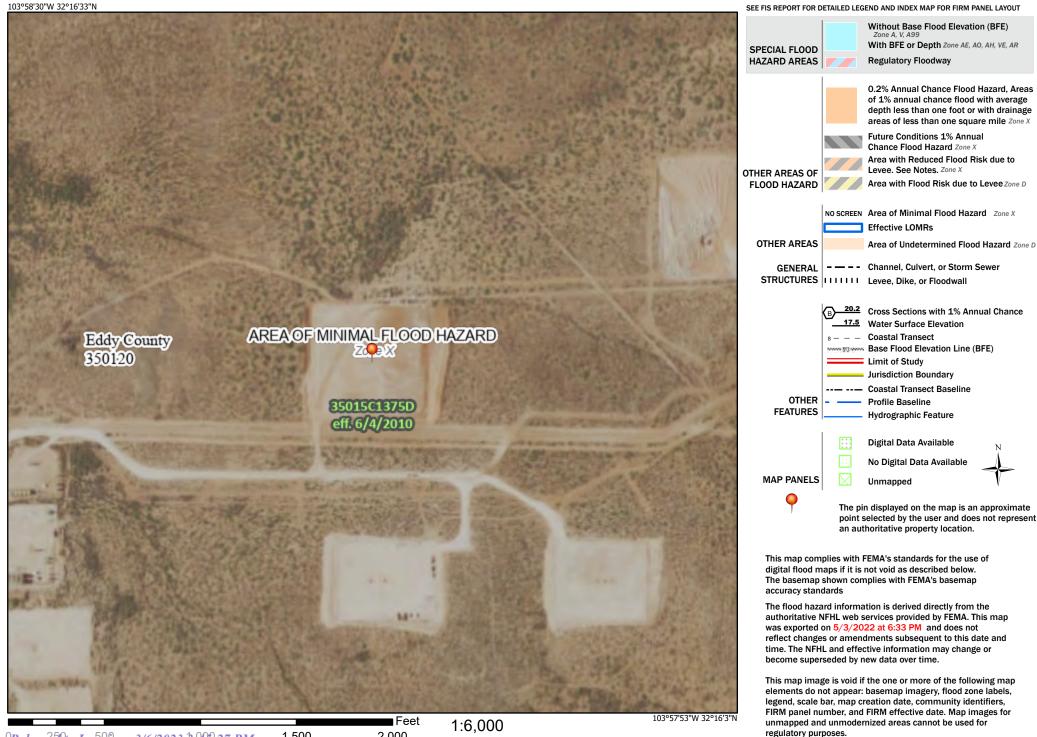


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Legend

Page 61 of 380



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



United States Department of Agriculture

Natural Resources Conservation Service A product of the National Cooperative Soil Survey, a joint effort of the United States Department of Agriculture and other Federal agencies, State agencies including the Agricultural Experiment Stations, and local participants

Custom Soil Resource Report for Eddy Area, New Mexico



Preface

Soil surveys contain information that affects land use planning in survey areas. They highlight soil limitations that affect various land uses and provide information about the properties of the soils in the survey areas. Soil surveys are designed for many different users, including farmers, ranchers, foresters, agronomists, urban planners, community officials, engineers, developers, builders, and home buyers. Also, conservationists, teachers, students, and specialists in recreation, waste disposal, and pollution control can use the surveys to help them understand, protect, or enhance the environment.

Various land use regulations of Federal, State, and local governments may impose special restrictions on land use or land treatment. Soil surveys identify soil properties that are used in making various land use or land treatment decisions. The information is intended to help the land users identify and reduce the effects of soil limitations on various land uses. The landowner or user is responsible for identifying and complying with existing laws and regulations.

Although soil survey information can be used for general farm, local, and wider area planning, onsite investigation is needed to supplement this information in some cases. Examples include soil quality assessments (http://www.nrcs.usda.gov/wps/portal/nrcs/main/soils/health/) and certain conservation and engineering applications. For more detailed information, contact your local USDA Service Center (https://offices.sc.egov.usda.gov/locator/app?agency=nrcs) or your NRCS State Soil Scientist (http://www.nrcs.usda.gov/wps/portal/nrcs/detail/soils/contactus/? cid=nrcs142p2_053951).

Great differences in soil properties can occur within short distances. Some soils are seasonally wet or subject to flooding. Some are too unstable to be used as a foundation for buildings or roads. Clayey or wet soils are poorly suited to use as septic tank absorption fields. A high water table makes a soil poorly suited to basements or underground installations.

The National Cooperative Soil Survey is a joint effort of the United States Department of Agriculture and other Federal agencies, State agencies including the Agricultural Experiment Stations, and local agencies. The Natural Resources Conservation Service (NRCS) has leadership for the Federal part of the National Cooperative Soil Survey.

Information about soils is updated periodically. Updated information is available through the NRCS Web Soil Survey, the site for official soil survey information.

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How Soil Surveys Are Made

Soil surveys are made to provide information about the soils and miscellaneous areas in a specific area. They include a description of the soils and miscellaneous areas and their location on the landscape and tables that show soil properties and limitations affecting various uses. Soil scientists observed the steepness, length, and shape of the slopes; the general pattern of drainage; the kinds of crops and native plants; and the kinds of bedrock. They observed and described many soil profiles. A soil profile is the sequence of natural layers, or horizons, in a soil. The profile extends from the surface down into the unconsolidated material in which the soil formed or from the surface down to bedrock. The unconsolidated material is devoid of roots and other living organisms and has not been changed by other biological activity.

Currently, soils are mapped according to the boundaries of major land resource areas (MLRAs). MLRAs are geographically associated land resource units that share common characteristics related to physiography, geology, climate, water resources, soils, biological resources, and land uses (USDA, 2006). Soil survey areas typically consist of parts of one or more MLRA.

The soils and miscellaneous areas in a survey area occur in an orderly pattern that is related to the geology, landforms, relief, climate, and natural vegetation of the area. Each kind of soil and miscellaneous area is associated with a particular kind of landform or with a segment of the landform. By observing the soils and miscellaneous areas in the survey area and relating their position to specific segments of the landform, a soil scientist develops a concept, or model, of how they were formed. Thus, during mapping, this model enables the soil scientist to predict with a considerable degree of accuracy the kind of soil or miscellaneous area at a specific location on the landscape.

Commonly, individual soils on the landscape merge into one another as their characteristics gradually change. To construct an accurate soil map, however, soil scientists must determine the boundaries between the soils. They can observe only a limited number of soil profiles. Nevertheless, these observations, supplemented by an understanding of the soil-vegetation-landscape relationship, are sufficient to verify predictions of the kinds of soil in an area and to determine the boundaries.

Soil scientists recorded the characteristics of the soil profiles that they studied. They noted soil color, texture, size and shape of soil aggregates, kind and amount of rock fragments, distribution of plant roots, reaction, and other features that enable them to identify soils. After describing the soils in the survey area and determining their properties, the soil scientists assigned the soils to taxonomic classes (units). Taxonomic classes are concepts. Each taxonomic classes has a set of soil characteristics with precisely defined limits. The classes are used as a basis for comparison to classify soils systematically. Soil taxonomy, the system of taxonomic classification used in the United States, is based mainly on the kind and character of soil properties and the arrangement of horizons within the profile. After the soil

scientists classified and named the soils in the survey area, they compared the individual soils with similar soils in the same taxonomic class in other areas so that they could confirm data and assemble additional data based on experience and research.

The objective of soil mapping is not to delineate pure map unit components; the objective is to separate the landscape into landforms or landform segments that have similar use and management requirements. Each map unit is defined by a unique combination of soil components and/or miscellaneous areas in predictable proportions. Some components may be highly contrasting to the other components of the map unit. The presence of minor components in a map unit in no way diminishes the usefulness or accuracy of the data. The delineation of such landforms and landform segments on the map provides sufficient information for the development of resource plans. If intensive use of small areas is planned, onsite investigation is needed to define and locate the soils and miscellaneous areas.

Soil scientists make many field observations in the process of producing a soil map. The frequency of observation is dependent upon several factors, including scale of mapping, intensity of mapping, design of map units, complexity of the landscape, and experience of the soil scientist. Observations are made to test and refine the soil-landscape model and predictions and to verify the classification of the soils at specific locations. Once the soil-landscape model is refined, a significantly smaller number of measurements of individual soil properties are made and recorded. These measurements may include field measurements, such as those for color, depth to bedrock, and texture, and laboratory measurements, such as those for content of sand, silt, clay, salt, and other components. Properties of each soil typically vary from one point to another across the landscape.

Observations for map unit components are aggregated to develop ranges of characteristics for the components. The aggregated values are presented. Direct measurements do not exist for every property presented for every map unit component. Values for some properties are estimated from combinations of other properties.

While a soil survey is in progress, samples of some of the soils in the area generally are collected for laboratory analyses and for engineering tests. Soil scientists interpret the data from these analyses and tests as well as the field-observed characteristics and the soil properties to determine the expected behavior of the soils under different uses. Interpretations for all of the soils are field tested through observation of the soils in different uses and under different levels of management. Some interpretations are modified to fit local conditions, and some new interpretations are developed to meet local needs. Data are assembled from other sources, such as research information, production records, and field experience of specialists. For example, data on crop yields under defined levels of management are assembled from farm records and from field or plot experiments on the same kinds of soil.

Predictions about soil behavior are based not only on soil properties but also on such variables as climate and biological activity. Soil conditions are predictable over long periods of time, but they are not predictable from year to year. For example, soil scientists can predict with a fairly high degree of accuracy that a given soil will have a high water table within certain depths in most years, but they cannot predict that a high water table will always be at a specific level in the soil on a specific date.

After soil scientists located and identified the significant natural bodies of soil in the survey area, they drew the boundaries of these bodies on aerial photographs and

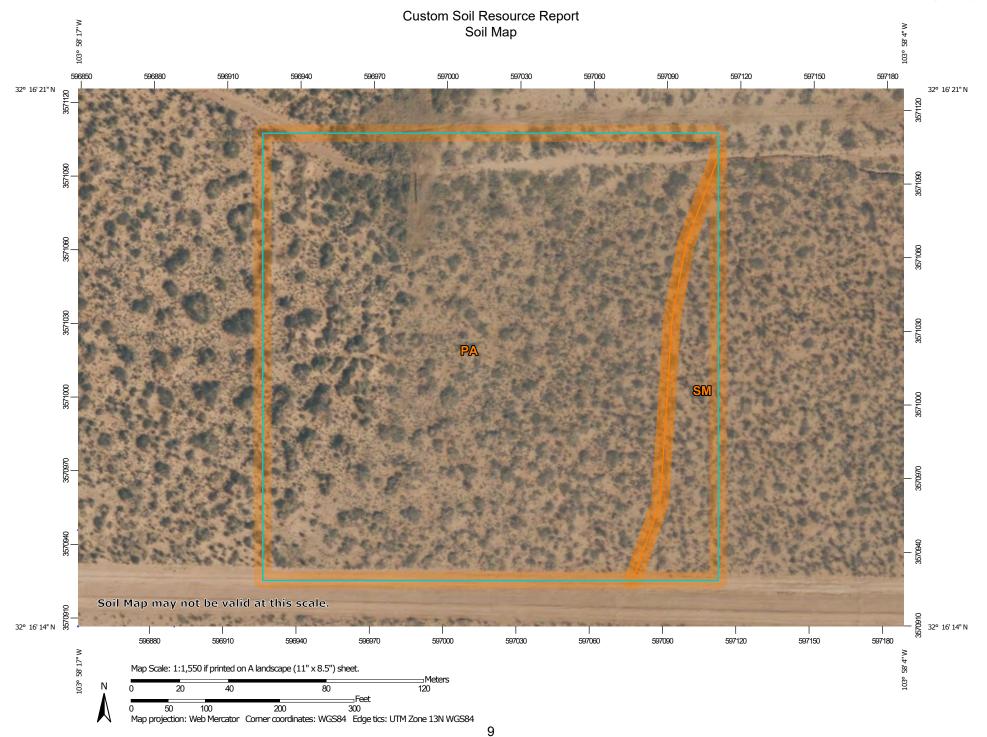
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Custom Soil Resource Report

identified each as a specific map unit. Aerial photographs show trees, buildings, fields, roads, and rivers, all of which help in locating boundaries accurately.

Soil Map

The soil map section includes the soil map for the defined area of interest, a list of soil map units on the map and extent of each map unit, and cartographic symbols displayed on the map. Also presented are various metadata about data used to produce the map, and a description of each soil map unit.



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MAP L	EGEND	MAP INFORMATION				
Area of Interest (AOI) Area of Interest (AOI)	Spoil AreaStony Spot	The soil surveys that comprise your AOI were mapped at 1:20,000.				
Soils Soil Map Unit Polygons ✓ Soil Map Unit Points Soil Map Unit Points Special Features Image: Ima	Image: Story SpotImage: Wery Story SpotImage: Wery Story SpotImage: Wery Story SpotImage: Special Line FeaturesImage: Special Line FeaturesImage: Water FeaturesImage: Streams and CanalsImage: Streams and Cana	 Warning: Soil Map may not be valid at this scale. Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale. Please rely on the bar scale on each map sheet for map measurements. Source of Map: Natural Resources Conservation Service Web Soil Survey URL: Coordinate System: Web Mercator (EPSG:3857) Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required. This product is generated from the USDA-NRCS certified data a of the version date(s) listed below. Soil Survey Area: Eddy Area, New Mexico Survey Area Data: Version 17, Sep 12, 2021 Soil map units are labeled (as space allows) for map scales 1:50,000 or larger. Date(s) aerial images were photographed: Feb 7, 2020—May 12, 2020 The orthophoto or other base map on which the soil lines were 				

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI		
PA	Pajarito loamy fine sand, 0 to 3 percent slopes, eroded	7.6	90.4%		
SM	Simona-Bippus complex, 0 to 5 percent slopes	0.8	9.6%		
Totals for Area of Interest		8.4	100.0%		

Map Unit Descriptions

The map units delineated on the detailed soil maps in a soil survey represent the soils or miscellaneous areas in the survey area. The map unit descriptions, along with the maps, can be used to determine the composition and properties of a unit.

A map unit delineation on a soil map represents an area dominated by one or more major kinds of soil or miscellaneous areas. A map unit is identified and named according to the taxonomic classification of the dominant soils. Within a taxonomic class there are precisely defined limits for the properties of the soils. On the landscape, however, the soils are natural phenomena, and they have the characteristic variability of all natural phenomena. Thus, the range of some observed properties may extend beyond the limits defined for a taxonomic class. Areas of soils of a single taxonomic class rarely, if ever, can be mapped without including areas of other taxonomic classes. Consequently, every map unit is made up of the soils or miscellaneous areas for which it is named and some minor components that belong to taxonomic classes other than those of the major soils.

Most minor soils have properties similar to those of the dominant soil or soils in the map unit, and thus they do not affect use and management. These are called noncontrasting, or similar, components. They may or may not be mentioned in a particular map unit description. Other minor components, however, have properties and behavioral characteristics divergent enough to affect use or to require different management. These are called contrasting, or dissimilar, components. They generally are in small areas and could not be mapped separately because of the scale used. Some small areas of strongly contrasting soils or miscellaneous areas are identified by a special symbol on the maps. If included in the database for a given area, the contrasting minor components are identified in the map unit descriptions along with some characteristics of each. A few areas of minor components may not have been observed, and consequently they are not mentioned in the descriptions, especially where the pattern was so complex that it was impractical to make enough observations to identify all the soils and miscellaneous areas on the landscape.

The presence of minor components in a map unit in no way diminishes the usefulness or accuracy of the data. The objective of mapping is not to delineate pure taxonomic classes but rather to separate the landscape into landforms or landform segments that have similar use and management requirements. The delineation of such segments on the map provides sufficient information for the development of resource plans. If intensive use of small areas is planned, however,

onsite investigation is needed to define and locate the soils and miscellaneous areas.

An identifying symbol precedes the map unit name in the map unit descriptions. Each description includes general facts about the unit and gives important soil properties and qualities.

Soils that have profiles that are almost alike make up a *soil series*. Except for differences in texture of the surface layer, all the soils of a series have major horizons that are similar in composition, thickness, and arrangement.

Soils of one series can differ in texture of the surface layer, slope, stoniness, salinity, degree of erosion, and other characteristics that affect their use. On the basis of such differences, a soil series is divided into *soil phases*. Most of the areas shown on the detailed soil maps are phases of soil series. The name of a soil phase commonly indicates a feature that affects use or management. For example, Alpha silt loam, 0 to 2 percent slopes, is a phase of the Alpha series.

Some map units are made up of two or more major soils or miscellaneous areas. These map units are complexes, associations, or undifferentiated groups.

A *complex* consists of two or more soils or miscellaneous areas in such an intricate pattern or in such small areas that they cannot be shown separately on the maps. The pattern and proportion of the soils or miscellaneous areas are somewhat similar in all areas. Alpha-Beta complex, 0 to 6 percent slopes, is an example.

An *association* is made up of two or more geographically associated soils or miscellaneous areas that are shown as one unit on the maps. Because of present or anticipated uses of the map units in the survey area, it was not considered practical or necessary to map the soils or miscellaneous areas separately. The pattern and relative proportion of the soils or miscellaneous areas are somewhat similar. Alpha-Beta association, 0 to 2 percent slopes, is an example.

An *undifferentiated group* is made up of two or more soils or miscellaneous areas that could be mapped individually but are mapped as one unit because similar interpretations can be made for use and management. The pattern and proportion of the soils or miscellaneous areas in a mapped area are not uniform. An area can be made up of only one of the major soils or miscellaneous areas, or it can be made up of all of them. Alpha and Beta soils, 0 to 2 percent slopes, is an example.

Some surveys include *miscellaneous areas*. Such areas have little or no soil material and support little or no vegetation. Rock outcrop is an example.

Eddy Area, New Mexico

PA—Pajarito loamy fine sand, 0 to 3 percent slopes, eroded

Map Unit Setting

National map unit symbol: 1w54 Elevation: 2,700 to 5,500 feet Mean annual precipitation: 5 to 15 inches Mean annual air temperature: 57 to 70 degrees F Frost-free period: 180 to 250 days Farmland classification: Not prime farmland

Map Unit Composition

Pajarito and similar soils: 98 percent Minor components: 2 percent Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Pajarito

Setting

Landform: Plains, interdunes, dunes Landform position (three-dimensional): Side slope Down-slope shape: Convex, linear Across-slope shape: Linear, convex Parent material: Mixed alluvium and/or eolian sands

Typical profile

H1 - 0 to 13 inches: loamy fine sand H2 - 13 to 36 inches: fine sandy loam H3 - 36 to 60 inches: fine sandy loam

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
Runoff class: Very low
Capacity of the most limiting layer to transmit water (Ksat): High (2.00 to 6.00 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 15 percent
Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
Sodium adsorption ratio, maximum: 1.0
Available water supply, 0 to 60 inches: Moderate (about 7.9 inches)

Interpretive groups

Land capability classification (irrigated): 2e Land capability classification (nonirrigated): 7e Hydrologic Soil Group: A Ecological site: R042XC003NM - Loamy Sand Hydric soil rating: No

Minor Components

Wink

Percent of map unit: 1 percent Ecological site: R042XC003NM - Loamy Sand Hydric soil rating: No

Berino

Percent of map unit: 1 percent Ecological site: R042XC003NM - Loamy Sand Hydric soil rating: No

SM—Simona-Bippus complex, 0 to 5 percent slopes

Map Unit Setting

National map unit symbol: 1w5x Elevation: 1,800 to 5,000 feet Mean annual precipitation: 8 to 24 inches Mean annual air temperature: 57 to 70 degrees F Frost-free period: 180 to 230 days Farmland classification: Not prime farmland

Map Unit Composition

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

Description of Simona

Setting

Landform: Plains, alluvial fans Landform position (three-dimensional): Rise Down-slope shape: Convex, linear Across-slope shape: Linear Parent material: Mixed alluvium and/or eolian sands

Typical profile

H1 - 0 to 19 inches: gravelly fine sandy loam *H2 - 19 to 23 inches:* indurated

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: 7 to 20 inches to petrocalcic
Drainage class: Well drained
Runoff class: Very high
Capacity of the most limiting layer to transmit water (Ksat): Very low to moderately low (0.00 to 0.06 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None

Custom Soil Resource Report

Frequency of ponding: None *Calcium carbonate, maximum content:* 15 percent *Maximum salinity:* Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm) *Sodium adsorption ratio, maximum:* 1.0 *Available water supply, 0 to 60 inches:* Very low (about 2.1 inches)

Interpretive groups

Land capability classification (irrigated): None specified Land capability classification (nonirrigated): 7e Hydrologic Soil Group: D Ecological site: R042XC002NM - Shallow Sandy Hydric soil rating: No

Description of Bippus

Setting

Landform: Flood plains, alluvial fans Landform position (three-dimensional): Talf, rise Down-slope shape: Convex, linear Across-slope shape: Linear Parent material: Mixed alluvium

Typical profile

H1 - 0 to 37 inches: silty clay loam H2 - 37 to 60 inches: clay loam

Properties and qualities

Slope: 0 to 5 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
Runoff class: Very 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: OccasionalNone
Frequency of ponding: None
Calcium carbonate, maximum content: 40 percent
Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
Sodium adsorption ratio, maximum: 1.0
Available water supply, 0 to 60 inches: Moderate (about 8.7 inches)

Interpretive groups

Land capability classification (irrigated): 2e Land capability classification (nonirrigated): 3e Hydrologic Soil Group: B Ecological site: R042XC017NM - Bottomland Hydric soil rating: No

Minor Components

Simona

Percent of map unit: 8 percent Ecological site: R042XC002NM - Shallow Sandy Hydric soil rating: No

Bippus

Percent of map unit: 7 percent *Ecological site:* R042XC017NM - Bottomland

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Custom Soil Resource Report

Hydric soil rating: No

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USDA Natural Resources Conservation Service

Ecological site R042XC003NM Loamy Sand

Accessed: 05/03/2022

General information



Figure 1. Mapped extent

Areas shown in blue indicate the maximum mapped extent of this ecological site. Other ecological sites likely occur within the highlighted areas. It is also possible for this ecological site to occur outside of highlighted areas if detailed soil survey has not been completed or recently updated.

Associated sites

R042XC004NM	Sandy Sandy
R042XC005NM	Deep Sand Deep Sand

Table 1. Dominant plant species

Tree	Not specified
Shrub	Not specified
Herbaceous	Not specified

Physiographic features

This site is on uplands, plains, dunes, fan piedmonts and in inter dunal areas. The parent material consists of mixed alluvium and or eolian sands derived from sedimentary rock. Slope range on this site range from 0 to 9 percent with the average of 5 percent.

Low stabilized dunes may occur occasionally on this site. Elevations range from 2,800 to 5,000 feet.

Table 2. Representative physiographic features

Landforms	(1) Fan piedmont(2) Alluvial fan(3) Dune
Elevation	2,800–5,000 ft
Slope	0–9%
Aspect	Aspect is not a significant factor

Climatic features

The average annual precipitation ranges from 8 to 13 inches. Variations of 5 inches, more or less, are common. Over 80 percent of the precipitation falls from April through October. Most of the summer precipitation comes in the form of high intensity-short duration thunderstorms.

Temperatures are characterized by distinct seasonal changes and large annual and diurnal temperature changes. The average annual temperature is 61 degrees with extremes of 25 degrees below zero in the winter to 112 degrees in the summer.

The average frost-free season is 207 to 220 days. The last killing frost being late March or early April and the first killing frost being in later October or early November.

Temperature and rainfall both favor warm season perennial plant growth. In years of abundant spring moisture, annual forbs and cool season grasses can make up an important component of this site. Strong winds blow from the southwest from January through June, which accelerates soil drying during a critical period for cool season plant growth.

Climate data was obtained from http://www.wrcc.sage.dri.edu/summary/climsmnm.html web site using 50% probability for freeze-free and frost-free seasons using 28.5 degrees F and 32.5 degrees F respectively.

Table 3. Representative climatic features

Frost-free period (average)	221 days
Freeze-free period (average)	240 days
Precipitation total (average)	13 in

Influencing water features

This site is not influenced from water from wetlands or streams.

Soil features

Soils are moderately deep or very deep. Surface textures are loamy fine sand, fine sandy loam, loamy very fine sand or gravelly sandy loam.

Subsurface is a loamy fine sand, coarse sandy loam, fine sandy loam or loam that averages less than 18 percent clay and less than 15 percent carbonates.

Substratum is a fine sandy loam or gravelly fine sandy loam with less than 15 percent gravel and with less than 40 percent calcium carbonate. Some layers high in lime or with caliche fragments may occur at depths of 20 to 30 inches.

These soils, if unprotected by plant cover and organic residue, become wind blown and low hummocks are formed.

Minimum and maximum values listed below represent the characteristic soils for this site.

Characteristic soils are: Maljamar Berino

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Parjarito Palomas Wink Pyote

Table 4. Representative soil features

-	
Surface texture	(1) Fine sand(2) Fine sandy loam(3) Loamy fine sand
Family particle size	(1) Sandy
Drainage class	Well drained to somewhat excessively drained
Permeability class	Moderate to moderately rapid
Soil depth	40–72 in
Surface fragment cover <=3"	0–10%
Surface fragment cover >3"	0%
Available water capacity (0-40in)	5–7 in
Calcium carbonate equivalent (0-40in)	3–40%
Electrical conductivity (0-40in)	2–4 mmhos/cm
Sodium adsorption ratio (0-40in)	0–2
Soil reaction (1:1 water) (0-40in)	6.6–8.4
Subsurface fragment volume <=3" (Depth not specified)	4–12%
Subsurface fragment volume >3" (Depth not specified)	0%

Ecological dynamics

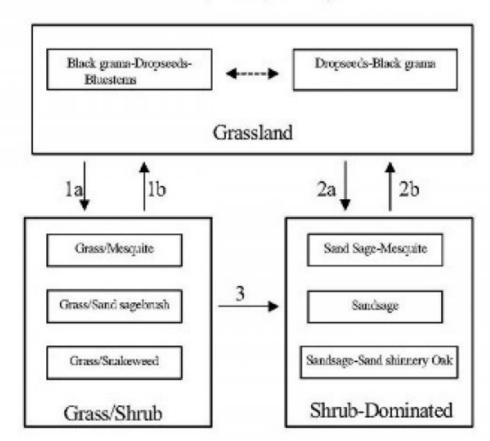
Overview

The Loamy Sand site intergrades with the Deep Sand and Sandy sites (SD-3). These sites can be differentiated by surface soil texture and depth to a textural change. Loamy Sand and Deep Sand sites have coarse textured (sands and loamy sand) surface soils while Sandy sites have moderately coarse textured (sandy loam and fine sandy loam) surfaces. Although Loamy Sand and Deep Sand sites have similar surface textures, the depth to a textural change is different—Loamy Sand sub-surface textures typically increase in clay at approximately 20 to 30 inches, and Deep Sand sites not until around 40 inches.

The historic plant community of Loamy Sand sites is dominated by black grama (*Bouteloua eriopoda*), dropseeds (*Sporobolus flexuosus*, *S. contractus*, *S. cryptandrus*), and bluestems (*Schizachyrium scoparium* and *Andropogon hallii*), with scattered shinnery oak (*Quercus havardii*) and sand sage (*Artemisia filifolia*). Perennial and annual forb abundance and distribution are dependent on precipitation. Litter and to a lesser extent, bare ground, are a significant proportion of ground cover while grasses compose the remainder. Decreases in black grama indicate a transition to either a grass/shrub or shrub-dominated state. The grass/shrub state is composed of grasses/honey mesquite (*Prosopis glandulosa*), grasses/broom snakeweed (*Gutierrezia sarothrae*), or grasses/sand sage. The shrub-dominated state occurs after a severe loss of grass cover and a prevalence of sand sage with secondary shinnery oak and mesquite. Heavy grazing intensity and/or drought are influential drivers in decreasing black grama and bluestems and subsequently increasing shrub cover, erosion, and bare patches. Historical fire suppression also encourages shrub pervasiveness and a competitive advantage over grass species (McPherson 1995). Brush and grazing management, however, may reverse grass/shrub and shrub-dominated states toward the grassland-

State and transition model

Plant Communities and Transitional Pathways (diagram):



MLRA-42, SD-3, Loamy Sand

1a. Drought, over grazing, fire suppression.

1b. Brush control, prescribed grazing

Severe loss of grass cover, fire suppression, erosion.
 Brush control, seeding, prescribed grazing.

3. Continued loss of grass cover, erosion.

Figure 4.

State 1 Historic Climax Plant Community

Community 1.1 Historic Climax Plant Community

Grassland: The historic plant community is a uniformly distributed grassland dominated by black grama, dropseeds, and bluestems. Sand sage and shinnery oak are evenly dispersed throughout the grassland due to the coarse soil surface texture. Perennial and annual forbs are common but their abundance and distribution are reflective of precipitation. Bluestems initially, followed by black grama, decrease with drought and heavy grazing intensity. Historical fire frequency is unknown but likely occurred enough to remove small shrubs to the competitive advantage of grass species. Fire suppression, drought conditions, and excessive grazing drive most grass species out of competition with shrub species.

Diagnosis: Grassland dominated by black grama, dropseeds, and bluestems. Shrubs, such as sand sage, shinnery oak, and mesquite are dispersed throughout the grassland. Forbs are present and populations fluctuate with precipitation variability.

Table 5. Annual production by plant type

Plant Type	Low (Lb/Acre)	Representative Value (Lb/Acre)	High (Lb/Acre)
Grass/Grasslike	442	833	1224
Forb	110	208	306
Shrub/Vine	98	184	270
Total	650	1225	1800

Table 6. Ground cover

Tree foliar cover	0%
Shrub/vine/liana foliar cover	0%
Grass/grasslike foliar cover	28%
Forb foliar cover	0%
Non-vascular plants	0%
Biological crusts	0%
Litter	50%
Surface fragments >0.25" and <=3"	0%
Surface fragments >3"	0%
Bedrock	0%
Water	0%
Bare ground	22%

Figure 6. Plant community growth curve (percent production by month). NM2803, R042XC003NM-Loamy Sand-HCPC. SD-3 Loamy Sand - Warm season plant community .

Jan	Feb	Mar	Apr	Мау	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0	0	3	5	10	10	25	30	12	5	0	0

State 2 Grass/Shrub

Community 2.1 Grass/Shrub Grass/Shrub



 Black grame/Mesquite community, with some dropseeds, threeovus, and scattered and shimory oak
 Orass cover low to moderate

Grass/Shrub State: The grass/shrub state is dominated by communities of grasses/mesquite, grasses/snakeweed, or grasses/sand sage. Decreases in black grama and bluestem species lead to an increase in bare patches and mesquite which further competes with grass species. An increase of dropseeds and threeawns occurs. Grass distribution becomes more patchy with an absence or severe decrease in black grama and bluestems. Mesquite provides nitrogen and soil organic matter to co-dominant grasses (Ansley and Jacoby 1998, Ansley et al. 1998). Mesquite mortality when exposed to fire is low due to aggressive resprouting abilities. Herbicide application combined with subsequent prescribed fire may be more effective in mesquite reduction (Britton and Wright 1971).

Diagnosis: This state is dominated by an increased abundance of communities including grass/mesquite, grass/snakeweed, or grass/sand sage. Dropseeds and threeawns have a patchy distribution.

Transition to Grass/Shrub State (1a): The historic plant community begins to shift toward the grass/shrub state as drivers such as drought, fire suppression, interspecific competition, and excessive grazing contribute to alterations in soil properties and herbaceous cover. Cover loss and surface soil erosion are initial indicators of transition followed by a decrease in black grama with a subsequent increase of dropseeds, threeawns, mesquite, and snakeweed. Snakeweed has been documented to outcompete black grama especially under conditions of fire suppression and drought (McDaniel et al. 1984).

Key indicators of approach to transition:

- Loss of black grama cover
- Surface soil erosion
- Bare patch expansion
- Increased dropseed/threeawn and mesquite, snakeweed, or sand sage abundances

Transition to Historic Plant Community (1b): Brush and grazing management may restore the grassland component and reverse shrub or grass/shrub dominated states back toward the historic plant community.

State 3 Shrub Dominated

Community 3.1 Shrub Dominated

Shrub-Dominated State: The shrub-dominated state results from a severe loss of grass cover. This state's primary species is sand sage. Shinnery oak and mesquite also occur; however, grass cover is limited to intershrub distribution. Sand sage stabilizes light sandy soils from wind erosion, which enhances protected grass/forb cover (Davis and Bonham 1979). However, shinnery oak also responds to the sandy soils with dense stands due to an aggressive rhizome system. Shinnery oak's extensive root system promotes competitive exclusion of grasses and forbs. Sand sage, shinnery oak, and mesquite can be controlled with herbicide (Herbel et al. 1979, Pettit 1986).

Transition to Shrub-Dominated (2a): Severe loss of grass species with increased erosion and fire suppression will result in a transition to a shrub-dominated state with sand sage, Shin oak, and honey mesquite directly from the grassland-dominated state.

Key indicators of approach to transition:

- · Severe loss of grass species cover
- Surface soil erosion
- Bare patch expansion
- · Increased sand sage, shinnery oak, and mesquite abundance

Transition to Historic Plant Community (2b): Brush and grazing management may restore the grassland component and reverse shrub or grass/shrub dominated states back toward the historic plant community. In addition, seeding with native grass species will augment the transition to a grassland-dominated state.

Transition to Shrub-Dominated (3): If the grass/shrub site continues to lose grass cover with soil erosion, the site will transition to a shrub-dominated state with sand sage, shinnery oak, and honey mesquite.

Key indicators of approach to transition:

- · Continual loss of dropseeds/threeawns cover
- Surface soil erosion
- Bare patch expansion
- Increased sand sage, shinnery oak, and mesquite/dropseed/threeawn and mesquite/snakeweed abundance

Additional community tables

Table 7. Community 1.1 plant community composition

Group	Common Name	Symbol	Scientific Name	Annual Production (Lb/Acre)				
Grass	irass/Grasslike							
1	Warm Season			61–123				
	little bluestem	SCSC	Schizachyrium scoparium	61–123	_			
2	Warm Season		•	37–61				
	sand bluestem	ANHA	Andropogon hallii	37–61	_			
3	Warm Season	37–61						
	cane bluestem	BOBA3	Bothriochloa barbinodis	37–61	_			
	silver bluestem	BOSA	Bothriochloa saccharoides	37–61	_			
4	Warm Season	123–184						
	black grama	BOER4	Bouteloua eriopoda	123–184	_			
	bush muhly	MUPO2	Muhlenbergia porteri	123–184	_			
5	Warm Season	·		123–184				
	thin paspalum	PASE5	Paspalum setaceum	123–184	_			
			Ostania vulzianta	400 404				

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	piains pristiegrass	SEVU2	Setaria vuipiseta	123-184	
	fringed signalgrass	URCI	Urochloa ciliatissima	123–184	_
6	Warm Season	<u> </u>	ł	123–184	
	spike dropseed	SPCO4	Sporobolus contractus	123–184	_
	sand dropseed	SPCR	Sporobolus cryptandrus	123–184	_
	mesa dropseed	SPFL2	Sporobolus flexuosus	123–184	_
7	Warm Season			61–123	
	hooded windmill grass	CHCU2	Chloris cucullata	61–123	_
	Arizona cottontop	DICA8	Digitaria californica	61–123	_
9	Other Perennial Grasses	4	ł	37–61	
	Grass, perennial	2GP	Grass, perennial	37–61	-
Shru	b/Vine				
8	Warm Season			37–61	
<u> </u>	New Mexico feathergrass	HENE5	Hesperostipa neomexicana	37–61	_
	giant dropseed	SPGI	Sporobolus giganteus	37–61	_
10	Shrub		I	61–123	
	sand sagebrush	ARFI2	Artemisia filifolia	61–123	_
	Havard oak	QUHA3	Quercus havardii	61–123	_
11	Shrub		L	34–61	
	fourwing saltbush	ATCA2	Atriplex canescens	37–61	_
	featherplume	DAFO	Dalea formosa	37–61	_
12	Shrub			37–61	
	jointfir	EPHED	Ephedra	37–61	_
	littleleaf ratany	KRER	Krameria erecta	37–61	_
13	Other Shrubs	_ !	ł	37–61	
	Shrub (>.5m)	2SHRUB	Shrub (>.5m)	37–61	_
Forb				11	
14	Forb			61–123	
	leatherweed	CRPOP	Croton pottsii var. pottsii	61–123	_
	Indian blanket	GAPU	Gaillardia pulchella	61–123	_
	globemallow	SPHAE	Sphaeralcea	61–123	_
15	Forb		L	12–37	
	woolly groundsel	PACA15	Packera cana	12–37	_
16	Forb			61–123	
	touristplant	DIWI2	Dimorphocarpa wislizeni	61–123	_
	woolly plantain	PLPA2	Plantago patagonica	61–123	_
17	Other Forbs			37–61	
	Forb (herbaceous, not grass nor grass-like)	2FORB	Forb (herbaceous, not grass nor grass-like)	37–61	_
-	•	-	-	-	

Animal community

This Ecological Site provides habitat which supports a resident animal community that is characterized by pronghorn antelope, desert cottontail, spotted ground squirrel, black-tailed prairie dog, yellow faced pocket gopher, Ord's kangaroo rat, northern grasshopper mouse, southern plains woodrat, badger, roadrunner, meadowlark, burrowing owl, white necked raven, lesser prairie chicken, morning dove, scaled quail, Harris hawk, side blotched

lizard, marbled whiptail, Texas horned lizard, western diamondback rattlesnake, dusty hognose snake and ornate box turtle.

Where mesquite has invaded, most resident birds and scissor-tailed flycatcher, morning dove and Swainson's hawk, nest. Vesper and grasshopper sparrows utilize the site during migration.

Hydrological functions

The runoff curve numbers are determined by field investigations using hydraulic cover conditions and hydrologic soil groups.

Hydrologic Interpretations Soil Series Hydrologic Group Berino B Kinco A Maljamar B Pajarito B Palomas B Wink B Pyote A

Recreational uses

This site offers recreation potential for hiking, borseback riding, nature observation, photography and hunting. During years of abundant spring moisture, this site displays a colorful array of wildflowers during May and June.

Wood products

This site has no potential for wood products.

Other products

This site is suitable for grazing by all kinds and classes of livestock at any time of year. In cases where this site has been invaded by brush species it is especially suited for goats. Mismanagement of this site will cause a decrease in species such as the bluestems, blsck grama, bush muhly, plains bristlegrass, New Mexico feathergrass, Arizona cottontop and fourwing saltbush. A corresponding increase in the dropseeds, windmill grass, fall witchgrass, silver bluestem, sand sagebrush, shinery oak and ephedra will occur. This will also cause an increase in bare ground which will increase soil erodibility. This site will respond well to a system of management that rotates the season of use.

Other information

Guide to Suggested Initial Stocking Rate Acres per Animal Unit Month Similarity Index Ac/AUM 100 - 762.3 - 3.5 75 - 513.0 - 4.5 50 - 264.6 - 9.0 25 - 09.1 +

Inventory data references

Data collection for this site was done in conjunction with the progressive soil surveys within the Southern Desertic Basins, Plains and Mountains, Major Land Resource Areas of New Mexico. This site has been mapped and correlated with soils in the following soil surveys. Eddy County, Lea County, and Chaves County.

Other references

Literature Cited:

Ansley, R. J.; Jacoby, P. W. 1998. Manipulation of fire intensity to achieve mesquite management goals in north Texas. In: Pruden, Teresa L.; Brennan, Leonard A., eds. Fire in ecosystem management: shifting the paradigm from suppression to prescription: Proceedings, Tall Timbers fire ecology conference; 1996 May 7-10; Boise, ID. No. 20. Tallahassee, FL: Tall Timbers Research Station: 195-204.

Ansley, R. J.; Jones, D. L.; Tunnell, T. R.; [and others]. 1998. Honey mesquite canopy responses to single winter fires: relation to herbaceous fuel, weather and fire temperature. International Journal of Wildland Fire 8(4):241-252.

Britton, Carlton M.; Wright, Henry A. 1971. Correlation of weather and fuel variables to mesquite damage by fire. Journal of Range Management 24:136-141.

Davis, Joseph H., III and Bonham, Charles D. 1979. Interference of sand sagebrush canopy with needleandthread. Journal of Range Management 32(5):384-386.

Herbel, C. H, Steger, R, Gould, W. L. 1974. Managing semidesert ranges of the Southwest Circular 456. Las Cruces, NM: New Mexico State University, Cooperative Extension Service. 48 p.

McDaniel, Kirk C.; Pieper, Rex D.; Loomis, Lyn E.; Osman, Abdelgader A. 1984. Taxonomy and ecology of perennial snakeweeds in New Mexico. Bulletin 711. Las Cruces, NM: New Mexico State University, Agricultural Experiment Station. 34 p.

McPherson, Guy R. 1995. The role of fire in the desert grasslands. In: McClaran, Mitchel P.; Van Devender, Thomas R., eds. The desert grassland. Tucson, AZ: The University of Arizona Press: 130-151.

Pettit, Russell D. 1986. Sand shinnery oak: control and management. Management Note 8. Lubbock, TX: Texas Tech University, College of Agricultural Sciences, Department of Range and Wildlife Management. 5 p.

Contributors

Don Sylvester Quinn Hodgson

Rangeland health reference sheet

Interpreting Indicators of Rangeland Health is a qualitative assessment protocol used to determine ecosystem condition based on benchmark characteristics described in the Reference Sheet. A suite of 17 (or more) indicators are typically considered in an assessment. The ecological site(s) representative of an assessment location must be known prior to applying the protocol and must be verified based on soils and climate. Current plant community cannot be used to identify the ecological site.

Author(s)/participant(s)	
Contact for lead author	
Date	
Approved by	
Approval date	
Composition (Indicators 10 and 12) based on	Annual Production

Indicators

1. Number and extent of rills:

- 2. Presence of water flow patterns:
- 3. Number and height of erosional pedestals or terracettes:
- 4. Bare ground from Ecological Site Description or other studies (rock, litter, lichen, moss, plant canopy are not bare ground):
- 5. Number of gullies and erosion associated with gullies:
- 6. Extent of wind scoured, blowouts and/or depositional areas:
- 7. Amount of litter movement (describe size and distance expected to travel):
- 8. Soil surface (top few mm) resistance to erosion (stability values are averages most sites will show a range of values):
- 9. Soil surface structure and SOM content (include type of structure and A-horizon color and thickness):
- 10. Effect of community phase composition (relative proportion of different functional groups) and spatial distribution on infiltration and runoff:
- 11. Presence and thickness of compaction layer (usually none; describe soil profile features which may be mistaken for compaction on this site):
- 12. Functional/Structural Groups (list in order of descending dominance by above-ground annual-production or live foliar cover using symbols: >>, >, = to indicate much greater than, greater than, and equal to):

Dominant:

Sub-dominant:

Other:

Additional:

13. Amount of plant mortality and decadence (include which functional groups are expected to show mortality or decadence):

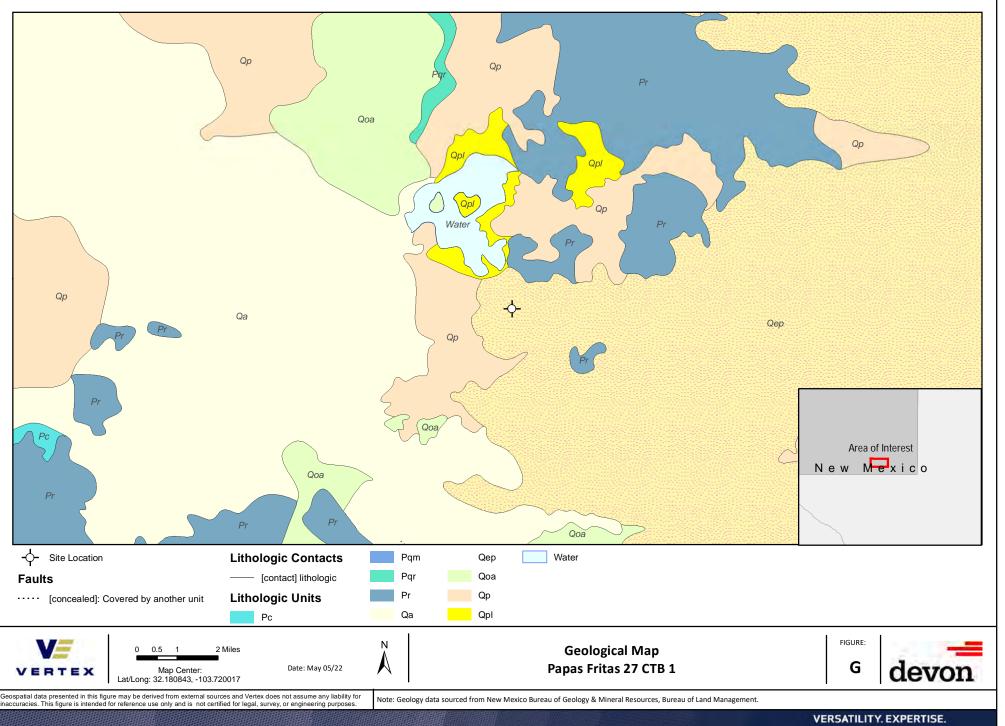
- 14. Average percent litter cover (%) and depth (in):
- 15. Expected annual annual-production (this is TOTAL above-ground annual-production, not just forage annualproduction):
- 16. Potential invasive (including noxious) species (native and non-native). List species which BOTH characterize degraded states and have the potential to become a dominant or co-dominant species on the ecological site if their future establishment and growth is not actively controlled by management interventions. Species that become dominant for only one to several years (e.g., short-term response to drought or wildfire) are not invasive plants. Note that unlike other indicators, we are describing what is NOT expected in the reference state for the ecological site:
- 17. Perennial plant reproductive capability:

mxd.

Fritas 27 CTB

Papa Fritas 27 CTB 1\Figures\Figure G Geology

-01417



•

Closure C	riteria Worksheet			
	e: Papas Fritas 27 CTB 1	X: 32.271641	Y: -103.969901	
Spill Coor	ific Conditions	Value	Unit	
-		Value	Onit	
1	Depth to Groundwater	18	feet	
2	Within 300 feet of any continuously flowing	3,555	feet	
2	watercourse or any other significant watercourse	3,333	icet	
3	Within 200 feet of any lakebed, sinkhole or playa lake	2,002	feet	
	(measured from the ordinary high-water mark)			
4	Within 300 feet from an occupied residence, school, hospital, institution or church	18,480	feet	
	i) Within 500 feet of a spring or a private, domestic			
	fresh water well used by less than five households for	5,318	feet	
5	domestic or stock watering purposes, or	0,010		
	ii) Within 1000 feet of any fresh water well or spring	5,318	feet	
	Within incorporated municipal boundaries or within a			
	defined municipal fresh water field covered under a			
6	municipal ordinance adopted pursuant to Section 3-27-	No	(Y/N)	
	3 NMSA 1978 as amended, unless the municipality			
	specifically approves			
7	Within 300 feet of a wetland	4,486	feet	
8	Within the area overlying a subsurface mine		(Y/N)	
			Critical	
9	Within an unstable area (Karst Map)	Medium	High Medium	
			Low	
			2011	
10	Within a 100-year Floodplain	500	year	
		loamy fine sand,		
11	Soil Type	gravelly fine sandy		
		loam, silty clay loam		
40		la ana di		
12	Ecological Classification	loamy sand		
		R042XC003NM		
13	Geology	Loamy sand		
		-	<50'	
	NMAC 19.15.29.12 E (Table 1) Closure Criteria	<50'	51-100'	
			>100'	

ATTACHMENT 5

Papas Fritas 27 CTB 1 48 HR Notification Liner Inspection nAPP2210924425

Dhugal Hanton <vertexresourcegroupusa@gmail.com> to OCD,, BLM_NM

All,

Please accept this email as 48-hr notification that Vertex Resource Services has scheduled a liner inspection to be conducted for the following release:

nAPP2210924425 DOR: 4/18/2022 Site Name: Papas Fritas 27 CTB 1

This work will be completed on behalf of Devon Energy Production Company

On Saturday, May 14, 2022 at approximately 12:00 p.m., Lakin Pullman will be on site to conduct a liner inspection. He can be reached at 701-495-1722. If you need directions to the please give me a call at 575-361-9880.

Thank you,

Monica Peppin Project Manager

Vertex Resource Services Inc. 3101 Boyd Drive, Carlsbad, NM 88220

P 575.725.5001 Ext. 711 C 575.361.9880 F

www.vertex.ca

Confidentiality Notice: This message and any attachments are solely for the intended recipient and may contain confidential or privileged information. If you are not the intended recipient, any disclosi received this communication in error, please notify us by reply email and immediately and permanently delete this message and any attachments. Thank you.



Dhugal Hanton <vertexresourcegroupusa@gmail.com>

48 hour confirmation sampling notice Papa Fritas 27 CTB 1

3 messages

Dhugal Hanton <vertexresourcegroupusa@gmail.com> To: "Enviro, OCD, EMNRD" <OCD.Enviro@state.nm.us>, spills@slo.state.nm.us Mon, Sep 26, 2022 at 12:16 PM

Please accept this email as 48-hr notification that Vertex Resource Services has scheduled confirmatory sampling to be conducted at Papa Fritas 27 CTB 1,

Lea County

NAPP2113158013 & NAPP2127146416.

On Thursday, September 29, 2022, at approximately 8:00 a.m through Friday September 30, Fernando Rodriguez of Vertex will be onsite to conduct confirmation sampling for the above release.

He can be reached at 575-361-4509. If you need directions to the site, please do not hesitate to contact me. If you have any questions or concerns regarding this notification, please give me a call at 346-814-1413.

Thank you,

Kent Stallings P.G. Project Manager

Vertex Resource Services Inc. 3101 Boyd Drive, Carlsbad, NM 88220

P 575.725.5001 C 346.814.1413 F

 Nobui, Jennifer, EMNRD <Jennifer.Nobui@emnrd.nm.gov>
 Mon, Sep 26, 2022 at 1:40 PM

 To: Dhugal Hanton <vertexresourcegroupusa@gmail.com>
 Cc: "Bratcher, Michael, EMNRD" <mike.bratcher@emnrd.nm.gov>, "Hamlet, Robert, EMNRD"

 <Robert.Hamlet@emnrd.nm.gov>, "Harimon, Jocelyn, EMNRD" <Jocelyn.Harimon@emnrd.nm.gov>

Kent

Thank you for the notification. Please include a copy of this and all notifications in the remedial and/or closure reports to ensure the notifications are documented in the project file.

Thanks,

Jennifer Nobui

From: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Sent: Monday, September 26, 2022 1:37 PM
To: Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>; Nobui, Jennifer, EMNRD
<Jennifer.Nobui@emnrd.nm.gov>; Harimon, Jocelyn, EMNRD <Jocelyn.Harimon@emnrd.nm.gov>; Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov>; Velez, Nelson, EMNRD <Nelson.Velez@emnrd.nm.gov>
Subject: Fw: [EXTERNAL] 48 hour confirmation sampling notice Papa Fritas 27 CTB 1

From: Dhugal Hanton <vertexresourcegroupusa@gmail.com>
Sent: Monday, September 26, 2022 12:16 PM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>; spills@slo.state.nm.us <spills@slo.state.nm.us>
Subject: [EXTERNAL] 48 hour confirmation sampling notice Papa Fritas 27 CTB 1

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

[Quoted text hidden]

 Dhugal Hanton <vertexresourcegroupusa@gmail.com>
 Fri, Sep 30, 2022 at 11:49 AM

 To: "Nobui, Jennifer, EMNRD" <Jennifer.Nobui@emnrd.nm.gov>
 Cc: "Bratcher, Michael, EMNRD" <mike.bratcher@emnrd.nm.gov>, "Hamlet, Robert, EMNRD"

 <Robert.Hamlet@emnrd.nm.gov>, "Harimon, Jocelyn, EMNRD" <Jocelyn.Harimon@emnrd.nm.gov>

Jennifer,

Thank you. I would like to extend the notification to include next week. On Monday, October 3, 2022, at approximately 8:00 a.m through Friday October 7, Fernando Rodriguez of Vertex will be onsite to conduct confirmation sampling at Papa Fritas 27 CTB 1,

Lea County, NAPP2113158013 & NAPP2127146416.

Thanks, Kent [Quoted text hidden]



Dhugal Hanton <vertexresourcegroupusa@gmail.com>

Confirmation sampling 48 hour notice

4 messages

Dhugal Hanton <vertexresourcegroupusa@gmail.com> Tue, Oct 25, 2022 at 8:33 AM To: "Nobui, Jennifer, EMNRD" <Jennifer.Nobui@state.nm.us>, "Enviro, OCD, EMNRD" <OCD.Enviro@state.nm.us>

Jennifer,

I would like to provide notification to include On Thursday, October 27, 2022, at approximately 8:00 a.m through Friday October 8, Chance Dixon of Vertex will be onsite to conduct confirmation sampling at Papa Fritas 27 CTB 1, Lea County, NAPP2113158013 & NAPP2127146416. Thank you, Kent

Nobui, Jennifer, EMNRD <Jennifer.Nobui@emnrd.nm.gov> To: Dhugal Hanton <vertexresourcegroupusa@gmail.com> Tue, Oct 25, 2022 at 9:57 AM

Hi Kent

Your dates below are off, did you mean through Friday November 4? Also, please note that the responsible party must provide at least two business days' notice to the OCD as opposed to 48-hour notification.

Thanks,

Jennifer Nobui

From: Dhugal Hanton <vertexresourcegroupusa@gmail.com> Sent: Tuesday, October 25, 2022 8:33 AM To: Nobui, Jennifer, EMNRD <Jennifer.Nobui@emnrd.nm.gov>; Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov> Subject: [EXTERNAL] Confirmation sampling 48 hour notice

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

[Quoted text hidden]

Dhugal Hanton <vertexresourcegroupusa@gmail.com> To: "Nobui, Jennifer, EMNRD" <Jennifer.Nobui@emnrd.nm.gov> Tue, Oct 25, 2022 at 1:33 PM

Jennifer, I apologise. I intended to extend the sampling from Wednesday10/26/2022, into Thursday 10/27/2022 and Friday10/28/2022. Thank you,

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Kent [Quoted text hidden]

Nobui, Jennifer, EMNRD <Jennifer.Nobui@emnrd.nm.gov> To: Dhugal Hanton <vertexresourcegroupusa@gmail.com> Tue, Oct 25, 2022 at 1:37 PM

Kent,

No worries. Dates have been noted. Going forward, please keep in mind that notification is not 48 hours but 2 business days. Thank you for the notification. Please include a copy of this and all notifications in the remedial and/or closure reports to ensure the notifications are documented in the project file.

[Quoted text hidden]

ATTACHMENT 6



Client:	Devon Energy Corporation	Inspection Date:	5/14/2022		
Site Location Name:	Papa Fritas 27 CTB 1	Report Run Date:	5/14/2022 10:56 PM		
Client Contact Name:	Wes Matthews	API #:			
Client Contact Phone #:	(575) 748-0176				
Unique Project ID		Project Owner:			
Project Reference #		Project Manager:			
Summary of Times					
Arrived at Site	5/14/2022 9:08 AM				
Departed Site	5/14/2022 10:15 AM				

Field Notes

9:11 Completed safety paperwork at office. On site to perform Liner Inspection.

10:03 Inspected outside and inside walls of containment and found no damage or breaches.

10:05 Inspected areas around outside containment and found no unexpected staining.

10:06 Inspected liner inside containment around and between tanks and equipment. Did not find damage to liner or any areas of concern.

Next Steps & Recommendations

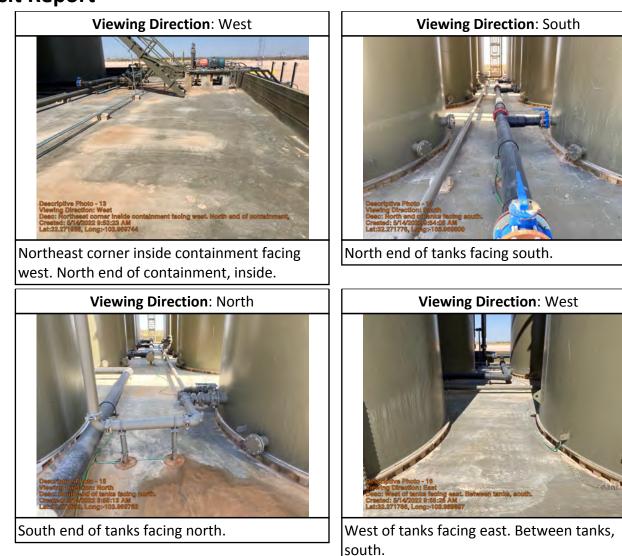
1 Submit report to client.



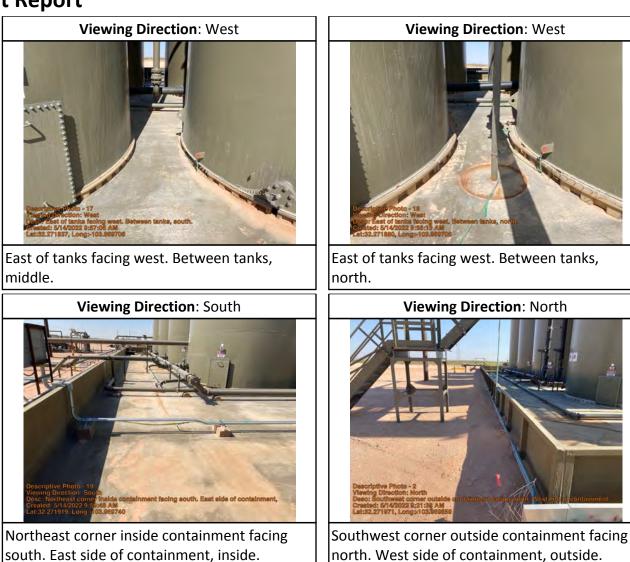
Site Photos Viewing Direction: East Viewing Direction: South lector south. West side of Northwest corner inside containment facing Southwest corner outside containment facing east. South end of containment, outside. south. West side of containment, inside. Viewing Direction: East Viewing Direction: North soing north. East side of o Southwest corner inside containment facing Southeast corner inside containment facing east. South end of containment, inside. north. East side of containment, inside.

Run on 5/14/2022 10:56 PM UTC

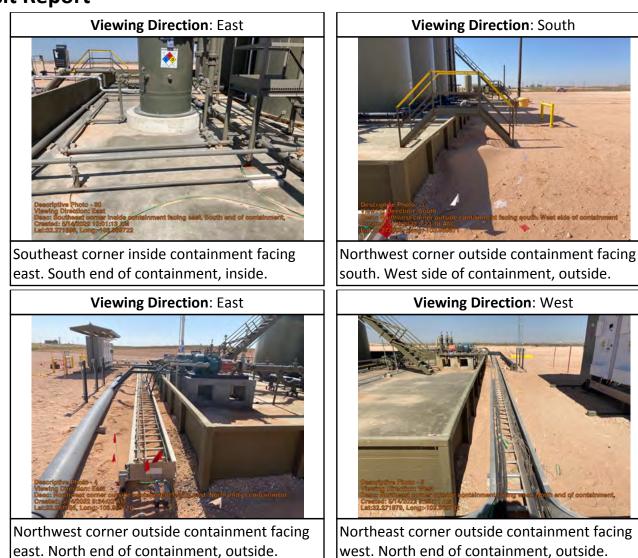






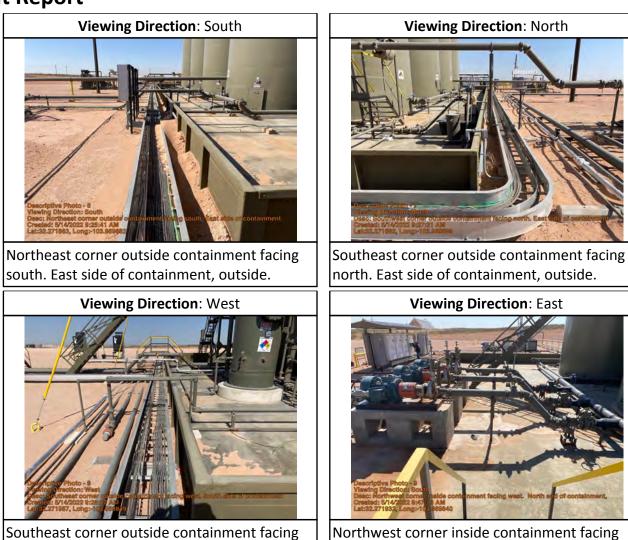






Run on 5/14/2022 10:56 PM UTC





east. North end of containment, inside. west. South side of containment, outside.

Run on 5/14/2022 10:56 PM UTC



Daily Site Visit Signature

Inspector: Lakin Pullman

Signature:

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Client:	Devon Energy Corporation	Inspection Date:	5/14/2022		
Site Location Name:	Papa Fritas 27 CTB 1	Report Run Date:	5/14/2022 10:55 PM		
Client Contact Name:	Wes Matthews	API #:			
Client Contact Phone #:	(575) 748-0176	_			
Unique Project ID		– Project Owner:			
Project Reference #		Project Manager:			
Summary of Times					
Arrived at Site	5/14/2022 6:49 AM				
Departed Site	5/14/2022 9:08 AM				

Field Notes

9:09 Completed safety paperwork at office. Investigated partial work done on historic spill by competitor. Phase 2 of project.

8:15 Staining no longer visible in most places to identify release area. Previous consultant white-flagged edges of release. Used visible staining and white flags to map approximate release area in Arc Collector.

9:03 Added white flags to edges of release area off pad. Painted and added additional white flags to edges of release area on pad.

8:20 North edge of release is bounded by berm covering water line.

Next Steps & Recommendations

1 Place one calls and arrange excavation.

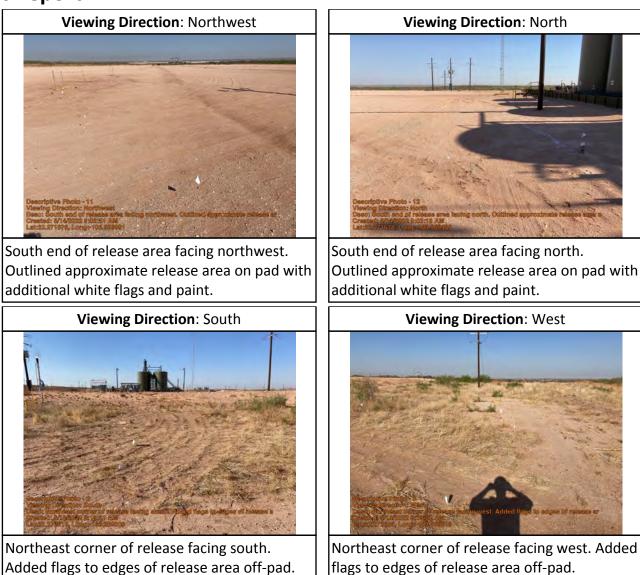


Site Photos Viewing Direction: Northeast Viewing Direction: East Image: Direction: Northeast Image: Direction: East Image: Direction: Direction: Direction: East Image: Direction: East Image: Direction: Direction: Direction: Direction: East Image: Direction: Direction: East Image: Direction: Direction: Direction: Direction: Direction: East Image: Direction: Direction: East Image: Direction: Direction:

additional white flags and paint.



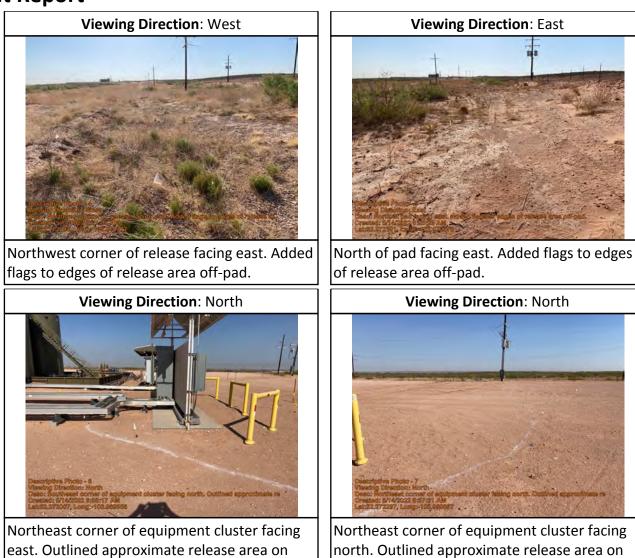
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flags to edges of release area off-pad.

Run on 5/14/2022 10:55 PM UTC

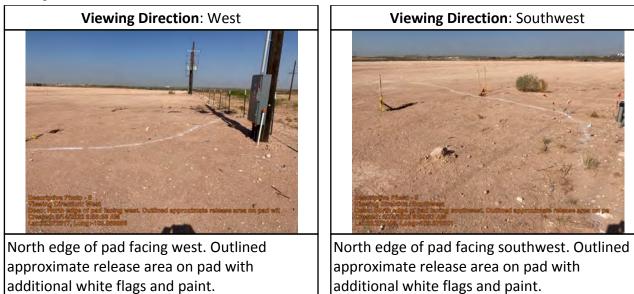




pad with additional white flags and paint.

pad with additional white flags and paint.







Daily Site Visit Signature

Inspector: Lakin Pullman \bigcirc Signature:

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Client:	Devon Energy Corporation	Inspection Date:	10/27/2022
Site Location Name:	Papa Fritas 27 CTB 1	Report Run Date:	10/27/2022 7:52 PM
Client Contact Name:	Wes Matthews	API #:	
Client Contact Phone #:	(575) 748-0176		
Unique Project ID		Project Owner:	
Project Reference #		Project Manager:	
		Summary of 1	Fimes
Arrived at Site	10/27/2022 8:45 AM		
Departed Site	10/27/2022 12:00 PM		

Field Notes

9:26 Arrived on site to excavate and collect samples that were above criteria on chlorides from lab

10:39 Samples WES22-10, BES22-27, and BES22-30 through BES22-31 are clean on field screening and will be sent to lab for analysis.

10:40 BES22-07 and BES22-11 were collected at 2.5' in the pasture as they were not collected last week.

Scanned all data and made sure that we have data under criteria for each sample point.

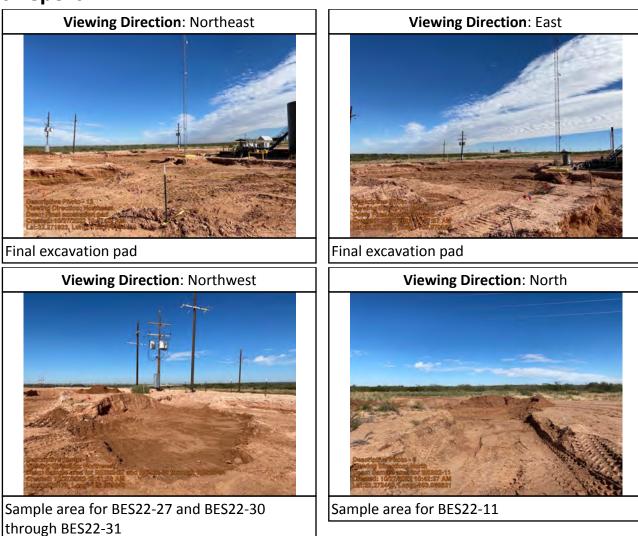
Next Steps & Recommendations

1 Send final samples to lab for analysis to complete fonrimation

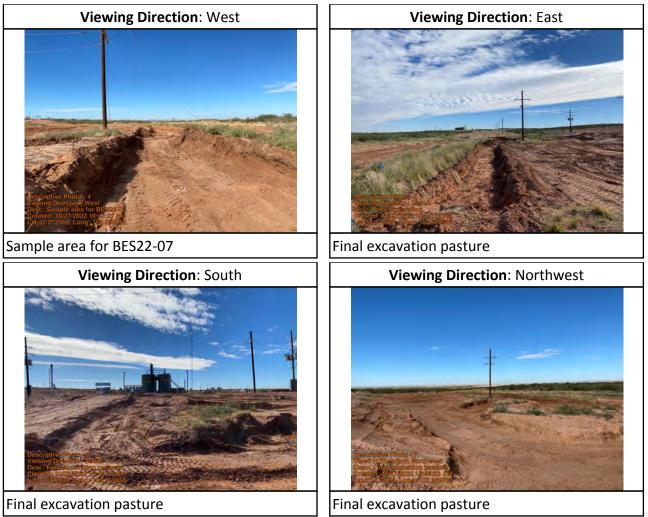


Site Photos Viewing Direction: Southwest Viewing Direction: Southeast Sample area for WES22-10 Final excavation pad Viewing Direction: East Viewing Direction: Northwest Final excavation pad Final excavation pad

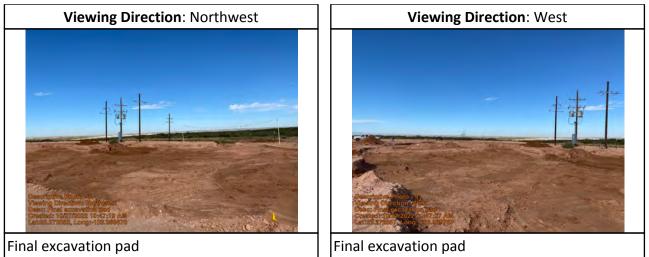














Daily Site Visit Signature

Inspector: Chance Dixon

Signature:

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ATTACHMENT 7



October 19, 2022

Kent Stallings Vertex Resources Services, Inc. 3101 Boyd Drive Carlsbad, NM 88220 TEL: (505) 506-0040 FAX

OrderNo.: 2210378

Hall Environmental Analysis Laboratory

TEL: 505-345-3975 FAX: 505-345-4107

Website: www.hallenvironmental.com

4901 Hawkins NE

Albuquerque, NM 87109

RE: Papas Fritas 27 CTB1

Dear Kent Stallings:

Hall Environmental Analysis Laboratory received 18 sample(s) on 10/7/2022 for the analyses presented in the following report.

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

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

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

Sincerely,

andy

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

CLIENT: Vertex Resources Services, Inc.

Papas Fritas 27 CTB1

Analytical Report Lab Order 2210378

Date Reported: 10/19/2022

Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: BES22-01 2' Collection Date: 10/5/2022 9:45:00 AM Received Date: 10/7/2022 7:10:00 AM

Lab ID: 2210378-001	Matrix: SOIL	Received Date: 10/7/2022 7:10:00 AM				
Analyses	Result	RL Qua	al Units	DF	Date Analyzed	
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst: DGH	
Diesel Range Organics (DRO)	ND	15	mg/Kg	1	10/12/2022 10:29:08 AM	
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	10/12/2022 10:29:08 AM	
Surr: DNOP	57.6	21-129	%Rec	1	10/12/2022 10:29:08 AM	
EPA METHOD 8015D: GASOLINE RANGE	E				Analyst: BRM	
Gasoline Range Organics (GRO)	ND	4.6	mg/Kg	1	10/11/2022 9:58:00 PM	
Surr: BFB	93.2	37.7-212	%Rec	1	10/11/2022 9:58:00 PM	
EPA METHOD 8021B: VOLATILES					Analyst: BRM	
Benzene	ND	0.023	mg/Kg	1	10/11/2022 9:58:00 PM	
Toluene	ND	0.046	mg/Kg	1	10/11/2022 9:58:00 PM	
Ethylbenzene	ND	0.046	mg/Kg	1	10/11/2022 9:58:00 PM	
Xylenes, Total	ND	0.092	mg/Kg	1	10/11/2022 9:58:00 PM	
Surr: 4-Bromofluorobenzene	91.1	70-130	%Rec	1	10/11/2022 9:58:00 PM	
EPA METHOD 300.0: ANIONS					Analyst: NAI	
Chloride	ND	60	mg/Kg	20	10/12/2022 4:31:27 PM	

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

Qualifiers:

- Value exceeds Maximum Contaminant Level.
 D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Ethylbenzene

Xylenes, Total

Surr: 4-Bromofluorobenzene

Analytical Report
Lab Order 2210378

Date Reported: 10/19/2022

10/11/2022 10:18:00 PM

10/11/2022 10:18:00 PM

10/11/2022 10:18:00 PM

10/12/2022 5:08:29 PM

Analyst: NAI

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: BES22-03 2' **Project:** Papas Fritas 27 CTB1 Collection Date: 10/5/2022 10:00:00 AM Lab ID: 2210378-002 Matrix: SOIL Received Date: 10/7/2022 7:10:00 AM Result **RL** Qual Units DF **Date Analyzed** Analyses **EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** Analyst: DGH Diesel Range Organics (DRO) ND 13 mg/Kg 1 10/12/2022 8:34:42 PM Motor Oil Range Organics (MRO) ND 44 mg/Kg 1 10/12/2022 8:34:42 PM Surr: DNOP 97.5 21-129 %Rec 1 10/12/2022 8:34:42 PM **EPA METHOD 8015D: GASOLINE RANGE** Analyst: BRM Gasoline Range Organics (GRO) ND 10/11/2022 10:18:00 PM 4.7 mg/Kg 1 Surr: BFB 95.2 37.7-212 %Rec 1 10/11/2022 10:18:00 PM **EPA METHOD 8021B: VOLATILES** Analyst: BRM Benzene ND 0.023 mg/Kg 10/11/2022 10:18:00 PM 1 Toluene ND 0.047 mg/Kg 1 10/11/2022 10:18:00 PM

ND

ND

96.9

0.047

0.093

70-130

mg/Kg

mg/Kg

%Rec

ma/Ka

1

1

1

20

 EPA METHOD 300.0: ANIONS

 Chloride

 ND

 60

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

Qualifiers:

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

H Holding times for preparation or analysis exceeded

- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit

S % Recovery outside of range due to dilution or matrix interference

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

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Lab ID:

Analyses

Analytical Report Lab Order 2210378

Date Reported: 10/19/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: BES22-16 2' Papas Fritas 27 CTB1 Collection Date: 10/5/2022 10:35:00 AM 2210378-003 Matrix: SOIL Received Date: 10/7/2022 7:10:00 AM Result **RL** Qual Units DF **Date Analyzed** EPA METHOD 8015M/D: DIESEL RANGE ORGANICS Analyst: DGH **Diesel Range Organics (DRO)** ND 14 mg/Kg 1 10/12/2022 8:55:52 PM Motor Oil Range Organics (MRO) ND 47 mg/Kg 1 10/12/2022 8:55:52 PM Surr: DNOP 99.2 21-129 %Rec 1 10/12/2022 8:55:52 PM **EPA METHOD 8015D: GASOLINE RANGE** Analyst: BRM Gasoline Range Organics (GRO) ND 47 ma/Ka 1 10/11/2022 10:37:00 PM

eucenne runge erganiee (erte)	110		ing, isg		10/11/2022 10:01:0011
Surr: BFB	97.2	37.7-212	%Rec	1	10/11/2022 10:37:00 PM
EPA METHOD 8021B: VOLATILES					Analyst: BRM
Benzene	ND	0.023	mg/Kg	1	10/11/2022 10:37:00 PM
Toluene	ND	0.047	mg/Kg	1	10/11/2022 10:37:00 PM
Ethylbenzene	ND	0.047	mg/Kg	1	10/11/2022 10:37:00 PM
Xylenes, Total	ND	0.094	mg/Kg	1	10/11/2022 10:37:00 PM
Surr: 4-Bromofluorobenzene	97.1	70-130	%Rec	1	10/11/2022 10:37:00 PM
EPA METHOD 300.0: ANIONS					Analyst: NAI
Chloride	170	60	mg/Kg	20	10/12/2022 5:45:31 PM

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

Qualifiers:

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

Н Holding times for preparation or analysis exceeded

- ND
- Not Detected at the Reporting Limit PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix interference S
- в Analyte detected in the associated Method Blank
- Е Estimated value
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

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Ethylbenzene

Analytical Report
Lab Order 2210378

Date Reported: 10/19/2022

10/11/2022 10:57:00 PM

10/11/2022 10:57:00 PM

10/11/2022 10:57:00 PM

Analyst: NAI 10/12/2022 5:57:51 PM

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: BES22-18 2' **Project:** Papas Fritas 27 CTB1 Collection Date: 10/5/2022 11:30:00 AM Lab ID: 2210378-004 Matrix: SOIL Received Date: 10/7/2022 7:10:00 AM Result **RL** Qual Units DF **Date Analyzed** Analyses **EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** Analyst: DGH Diesel Range Organics (DRO) ND 14 mg/Kg 1 10/12/2022 9:06:33 PM Motor Oil Range Organics (MRO) ND 48 mg/Kg 1 10/12/2022 9:06:33 PM Surr: DNOP 109 21-129 %Rec 1 10/12/2022 9:06:33 PM **EPA METHOD 8015D: GASOLINE RANGE** Analyst: BRM Gasoline Range Organics (GRO) ND 10/11/2022 10:57:00 PM 4.9 mg/Kg 1 Surr: BFB 97.4 37.7-212 %Rec 1 10/11/2022 10:57:00 PM **EPA METHOD 8021B: VOLATILES** Analyst: BRM ND Benzene 0.025 mg/Kg 10/11/2022 10:57:00 PM 1 Toluene 0.049 ND mg/Kg 1 10/11/2022 10:57:00 PM

ND

0.049

mg/Kg

1

1

1

20

Xylenes, Total	ND	0.098	mg/Kg
Surr: 4-Bromofluorobenzene	97.8	70-130	%Rec
EPA METHOD 300.0: ANIONS			
Chloride	ND	60	mg/Kg

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

Qualifiers:

- Value exceeds Maximum Contaminant Level.
 D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Lab ID:

CLIENT: Vertex Resources Services, Inc.

2210378-005

Papas Fritas 27 CTB1

Analytical Report
Lab Order 2210378

Date Reported: 10/19/2022

Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: BES22-20 2' Collection Date: 10/5/2022 11:45:00 AM Received Date: 10/7/2022 7:10:00 AM

240 22 - 22100 / 0 000						
Analyses	Result	RL Q	ual Units	DF	Date Analyzed	
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst: DGH	
Diesel Range Organics (DRO)	ND	14	mg/Kg	1	10/12/2022 9:17:09 PM	
Motor Oil Range Organics (MRO)	ND	46	mg/Kg	1	10/12/2022 9:17:09 PM	
Surr: DNOP	80.9	21-129	%Rec	1	10/12/2022 9:17:09 PM	
EPA METHOD 8015D: GASOLINE RANG	E				Analyst: BRM	
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	10/11/2022 11:17:00 PM	
Surr: BFB	90.9	37.7-212	%Rec	1	10/11/2022 11:17:00 PM	
EPA METHOD 8021B: VOLATILES					Analyst: BRM	
Benzene	ND	0.023	mg/Kg	1	10/11/2022 11:17:00 PM	
Toluene	ND	0.047	mg/Kg	1	10/11/2022 11:17:00 PM	
Ethylbenzene	ND	0.047	mg/Kg	1	10/11/2022 11:17:00 PM	
Xylenes, Total	ND	0.094	mg/Kg	1	10/11/2022 11:17:00 PM	
Surr: 4-Bromofluorobenzene	94.0	70-130	%Rec	1	10/11/2022 11:17:00 PM	
EPA METHOD 300.0: ANIONS					Analyst: NAI	
Chloride	ND	60	mg/Kg	20	10/12/2022 6:34:53 PM	

Matrix: SOIL

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

Qualifiers:

- Value exceeds Maximum Contaminant Level.
 D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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CLIENT: Vertex Resources Services, Inc.

Papas Fritas 27 CTB1

Analytical Report
Lab Order 2210378

Date Reported: 10/19/2022

Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: BES22-21 2' Collection Date: 10/5/2022 12:00:00 PM Received Date: 10/7/2022 7:10:00 AM

Lab ID: 2210378-006	Matrix: SOIL	Recei	ived Date:	10/7/2	022 7:10:00 AM
Analyses	Result	RL Qua	l Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst: DGH
Diesel Range Organics (DRO)	ND	14	mg/Kg	1	10/12/2022 9:27:43 PM
Motor Oil Range Organics (MRO)	ND	46	mg/Kg	1	10/12/2022 9:27:43 PM
Surr: DNOP	85.3	21-129	%Rec	1	10/12/2022 9:27:43 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: BRM
Gasoline Range Organics (GRO)	ND	4.6	mg/Kg	1	10/11/2022 11:36:00 PM
Surr: BFB	94.6	37.7-212	%Rec	1	10/11/2022 11:36:00 PM
EPA METHOD 8021B: VOLATILES					Analyst: BRM
Benzene	ND	0.023	mg/Kg	1	10/11/2022 11:36:00 PM
Toluene	ND	0.046	mg/Kg	1	10/11/2022 11:36:00 PM
Ethylbenzene	ND	0.046	mg/Kg	1	10/11/2022 11:36:00 PM
Xylenes, Total	ND	0.093	mg/Kg	1	10/11/2022 11:36:00 PM
Surr: 4-Bromofluorobenzene	93.9	70-130	%Rec	1	10/11/2022 11:36:00 PM
EPA METHOD 300.0: ANIONS					Analyst: NAI
Chloride	160	60	mg/Kg	20	10/12/2022 6:47:14 PM

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

Qualifiers:

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

- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Lab ID:

CLIENT: Vertex Resources Services, Inc.

2210378-007

Papas Fritas 27 CTB1

Analytical Report
Lab Order 2210378

Date Reported: 10/19/2022

Hall Environmental Analysis Laboratory, Inc.

 Client Sample ID: BES22-22 2'

 Collection Date: 10/5/2022 12:10:00 PM

 Matrix: SOIL
 Received Date: 10/7/2022 7:10:00 AM

Analyses	Result	RL Qua	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analyst: DGH
Diesel Range Organics (DRO)	ND	14	mg/Kg	1	10/12/2022 9:38:17 PM
Motor Oil Range Organics (MRO)	ND	46	mg/Kg	1	10/12/2022 9:38:17 PM
Surr: DNOP	65.6	21-129	%Rec	1	10/12/2022 9:38:17 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: BRM
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	10/12/2022 12:16:00 AM
Surr: BFB	95.3	37.7-212	%Rec	1	10/12/2022 12:16:00 AM
EPA METHOD 8021B: VOLATILES					Analyst: BRM
Benzene	ND	0.024	mg/Kg	1	10/12/2022 12:16:00 AM
Toluene	ND	0.048	mg/Kg	1	10/12/2022 12:16:00 AM
Ethylbenzene	ND	0.048	mg/Kg	1	10/12/2022 12:16:00 AM
Xylenes, Total	ND	0.095	mg/Kg	1	10/12/2022 12:16:00 AM
Surr: 4-Bromofluorobenzene	94.1	70-130	%Rec	1	10/12/2022 12:16:00 AM
EPA METHOD 300.0: ANIONS					Analyst: NAI
Chloride	250	60	mg/Kg	20	10/12/2022 6:59:35 PM

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

Qualifiers:

- Value exceeds Maximum Contaminant Level.
 D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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CLIENT: Vertex Resources Services, Inc.

Project: Papas Fritas 27 CTB1

Analytical Report Lab Order 2210378

Date Reported: 10/19/2022

Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: BES22-23 2' Collection Date: 10/5/2022 12:20:00 PM **Descived Deter** 10/7/2022 7:10:00 AM

Lab ID: 2210378-008	Matrix: SOIL	Received Date: 10/7/2022 7:10:00 AM				
Analyses	Result	RL Qua	l Units	DF	Date Analyzed	
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst: DGH	
Diesel Range Organics (DRO)	ND	15	mg/Kg	1	10/12/2022 9:48:47 PM	
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	10/12/2022 9:48:47 PM	
Surr: DNOP	79.1	21-129	%Rec	1	10/12/2022 9:48:47 PM	
EPA METHOD 8015D: GASOLINE RANGE	E				Analyst: BRM	
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	10/12/2022 12:35:00 AM	
Surr: BFB	94.8	37.7-212	%Rec	1	10/12/2022 12:35:00 AM	
EPA METHOD 8021B: VOLATILES					Analyst: BRM	
Benzene	ND	0.023	mg/Kg	1	10/12/2022 12:35:00 AM	
Toluene	ND	0.047	mg/Kg	1	10/12/2022 12:35:00 AM	
Ethylbenzene	ND	0.047	mg/Kg	1	10/12/2022 12:35:00 AM	
Xylenes, Total	ND	0.093	mg/Kg	1	10/12/2022 12:35:00 AM	
Surr: 4-Bromofluorobenzene	94.3	70-130	%Rec	1	10/12/2022 12:35:00 AM	
EPA METHOD 300.0: ANIONS					Analyst: NAI	
Chloride	1400	61	mg/Kg	20	10/12/2022 7:11:56 PM	

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix
- н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix interference S
- Analyte detected in the associated Method Blank в
- Е Estimated value
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

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Lab ID:

CLIENT: Vertex Resources Services, Inc.

2210378-009

Papas Fritas 27 CTB1

Analytical Report
Lab Order 2210378

Date Reported: 10/19/2022

Hall Environmental Analysis Laboratory, Inc.

 Client Sample ID: BES22-24 2'

 Collection Date: 10/5/2022 12:30:00 PM

 Matrix: SOIL
 Received Date: 10/7/2022 7:10:00 AM

 Result
 RL Qual Units DF
 Date Analyzed

Analyses	Result	RL Qua	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORG	Analyst: DGH				
Diesel Range Organics (DRO)	ND	15	mg/Kg	1	10/12/2022 9:59:16 PM
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	10/12/2022 9:59:16 PM
Surr: DNOP	75.6	21-129	%Rec	1	10/12/2022 9:59:16 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: BRM
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	10/12/2022 12:55:00 AM
Surr: BFB	95.5	37.7-212	%Rec	1	10/12/2022 12:55:00 AM
EPA METHOD 8021B: VOLATILES					Analyst: BRM
Benzene	ND	0.025	mg/Kg	1	10/12/2022 12:55:00 AM
Toluene	ND	0.049	mg/Kg	1	10/12/2022 12:55:00 AM
Ethylbenzene	ND	0.049	mg/Kg	1	10/12/2022 12:55:00 AM
Xylenes, Total	ND	0.099	mg/Kg	1	10/12/2022 12:55:00 AM
Surr: 4-Bromofluorobenzene	94.1	70-130	%Rec	1	10/12/2022 12:55:00 AM
EPA METHOD 300.0: ANIONS					Analyst: NAI
Chloride	ND	60	mg/Kg	20	10/12/2022 7:24:17 PM

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

Qualifiers:

- Value exceeds Maximum Contaminant Level.
 D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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CLIENT: Vertex Resources Services, Inc.

Papas Fritas 27 CTB1

Analytical Report Lab Order 2210378

Date Reported: 10/19/2022

Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: BES22-32 2' Collection Date: 10/5/2022 12:35:00 PM Received Date: 10/7/2022 7:10:00 AM

Lab ID: 2210378-010	Matrix: SOIL	Rece	ived Date:	10/7/2	022 7:10:00 AM
Analyses	Result	RL Qua	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst: DGH
Diesel Range Organics (DRO)	ND	13	mg/Kg	1	10/12/2022 10:09:49 PM
Motor Oil Range Organics (MRO)	ND	44	mg/Kg	1	10/12/2022 10:09:49 PM
Surr: DNOP	64.9	21-129	%Rec	1	10/12/2022 10:09:49 PM
EPA METHOD 8015D: GASOLINE RANGE	E				Analyst: BRM
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	10/12/2022 1:15:00 AM
Surr: BFB	90.6	37.7-212	%Rec	1	10/12/2022 1:15:00 AM
EPA METHOD 8021B: VOLATILES					Analyst: BRM
Benzene	ND	0.024	mg/Kg	1	10/12/2022 1:15:00 AM
Toluene	ND	0.048	mg/Kg	1	10/12/2022 1:15:00 AM
Ethylbenzene	ND	0.048	mg/Kg	1	10/12/2022 1:15:00 AM
Xylenes, Total	ND	0.095	mg/Kg	1	10/12/2022 1:15:00 AM
Surr: 4-Bromofluorobenzene	92.4	70-130	%Rec	1	10/12/2022 1:15:00 AM
EPA METHOD 300.0: ANIONS					Analyst: NAI
Chloride	210	61	mg/Kg	20	10/12/2022 7:36:37 PM

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

Qualifiers:

- Value exceeds Maximum Contaminant Level.
 D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Ethylbenzene

Xylenes, Total

Chloride

Surr: 4-Bromofluorobenzene

EPA METHOD 300.0: ANIONS

Analytical Report Lab Order 2210378

Date Reported: 10/19/2022

10/12/2022 1:34:00 AM

10/12/2022 1:34:00 AM

10/12/2022 1:34:00 AM

10/12/2022 7:48:58 PM

Analyst: NAI

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: BES22-33 2' **Project:** Papas Fritas 27 CTB1 Collection Date: 10/5/2022 12:40:00 PM Lab ID: 2210378-011 Matrix: SOIL Received Date: 10/7/2022 7:10:00 AM Result **RL** Qual Units DF **Date Analyzed** Analyses **EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** Analyst: DGH Diesel Range Organics (DRO) ND 14 mg/Kg 1 10/12/2022 10:20:23 PM Motor Oil Range Organics (MRO) ND 48 mg/Kg 1 10/12/2022 10:20:23 PM 21-129 Surr: DNOP 68.4 %Rec 1 10/12/2022 10:20:23 PM **EPA METHOD 8015D: GASOLINE RANGE** Analyst: BRM Gasoline Range Organics (GRO) ND 10/12/2022 1:34:00 AM 4.8 mg/Kg 1 Surr: BFB 90.9 37.7-212 %Rec 1 10/12/2022 1:34:00 AM **EPA METHOD 8021B: VOLATILES** Analyst: BRM Benzene ND 0.024 mg/Kg 10/12/2022 1:34:00 AM 1 Toluene ND 0.048 mg/Kg 1 10/12/2022 1:34:00 AM

ND

ND

93.2

190

0.048

0.096

70-130

60

mg/Kg

mg/Kg

%Rec

ma/Ka

1

1

1

20

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

Qualifiers:

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

- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Released to Imaging: 3/6/2023 3:45:27 PM

Lab ID:

CLIENT: Vertex Resources Services, Inc.

2210378-012

Papas Fritas 27 CTB1

Analytical Report Lab Order 2210378

Date Reported: 10/19/2022

Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: BES22-34 2'Collection Date: 10/5/2022 12:45:00 PMMatrix: SOILReceived Date: 10/7/2022 7:10:00 AMResultRL Qual UnitsDFDate Analyzed

Analyses	Result	RL Qu	ual Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORG	GANICS				Analyst: DGH
Diesel Range Organics (DRO)	ND	13	mg/Kg	1	10/12/2022 10:30:59 PM
Motor Oil Range Organics (MRO)	ND	44	mg/Kg	1	10/12/2022 10:30:59 PM
Surr: DNOP	89.9	21-129	%Rec	1	10/12/2022 10:30:59 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: BRM
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	10/12/2022 1:54:00 AM
Surr: BFB	93.4	37.7-212	%Rec	1	10/12/2022 1:54:00 AM
EPA METHOD 8021B: VOLATILES					Analyst: BRM
Benzene	ND	0.023	mg/Kg	1	10/12/2022 1:54:00 AM
Toluene	ND	0.047	mg/Kg	1	10/12/2022 1:54:00 AM
Ethylbenzene	ND	0.047	mg/Kg	1	10/12/2022 1:54:00 AM
Xylenes, Total	ND	0.094	mg/Kg	1	10/12/2022 1:54:00 AM
Surr: 4-Bromofluorobenzene	94.9	70-130	%Rec	1	10/12/2022 1:54:00 AM
EPA METHOD 300.0: ANIONS					Analyst: NAI
Chloride	420	60	mg/Kg	20	10/12/2022 8:01:19 PM

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

Qualifiers:

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

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

S % Recovery outside of range due to dilution or matrix interference

- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range

RL Reporting Limit

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Analytical Report Lab Order 2210378

Date Reported: 10/19/2022

10/12/2022 8:13:40 PM

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: BES22-39 2' **Project:** Papas Fritas 27 CTB1 Collection Date: 10/5/2022 12:55:00 PM Lab ID: 2210378-013 Matrix: SOIL Received Date: 10/7/2022 7:10:00 AM Result **RL** Qual Units DF **Date Analyzed** Analyses **EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** Analyst: DGH Diesel Range Organics (DRO) ND 13 mg/Kg 1 10/12/2022 10:41:36 PM Motor Oil Range Organics (MRO) ND 45 mg/Kg 1 10/12/2022 10:41:36 PM Surr: DNOP 66.2 21-129 %Rec 1 10/12/2022 10:41:36 PM **EPA METHOD 8015D: GASOLINE RANGE** Analyst: BRM Gasoline Range Organics (GRO) ND 10/12/2022 2:14:00 AM 4.8 mg/Kg 1 Surr: BFB 91.0 37.7-212 %Rec 1 10/12/2022 2:14:00 AM **EPA METHOD 8021B: VOLATILES** Analyst: BRM Benzene ND 0.024 mg/Kg 10/12/2022 2:14:00 AM 1 Toluene ND 0.048 mg/Kg 1 10/12/2022 2:14:00 AM Ethylbenzene ND 0.048 mg/Kg 1 10/12/2022 2:14:00 AM Xylenes, Total ND 0.096 mg/Kg 1 10/12/2022 2:14:00 AM Surr: 4-Bromofluorobenzene 93.5 70-130 %Rec 1 10/12/2022 2:14:00 AM **EPA METHOD 300.0: ANIONS** Analyst: NAI

ND

60

ma/Ka

20

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

Qualifiers:

Chloride

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

H Holding times for preparation or analysis exceeded

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

B Analyte detected in the associated Method Blank

- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range

RL Reporting Limit

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CLIENT: Vertex Resources Services, Inc.

Papas Fritas 27 CTB1

Analytical Report
Lab Order 2210378

Date Reported: 10/19/2022

Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: BES22-40 2' Collection Date: 10/5/2022 1:00:00 PM Received Date: 10/7/2022 7:10:00 AM

Lab ID: 2210378-014	Matrix: SOIL	Matrix: SOIL Received Date: 10/7/2022 7:10:00 AM			
Analyses	Result	RL Q	ual Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst: DGH
Diesel Range Organics (DRO)	ND	14	mg/Kg	1	10/12/2022 10:52:14 PM
Motor Oil Range Organics (MRO)	ND	46	mg/Kg	1	10/12/2022 10:52:14 PM
Surr: DNOP	86.3	21-129	%Rec	1	10/12/2022 10:52:14 PM
EPA METHOD 8015D: GASOLINE RANGE	E				Analyst: BRM
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	10/12/2022 2:34:00 AM
Surr: BFB	92.2	37.7-212	%Rec	1	10/12/2022 2:34:00 AM
EPA METHOD 8021B: VOLATILES					Analyst: BRM
Benzene	ND	0.023	mg/Kg	1	10/12/2022 2:34:00 AM
Toluene	ND	0.047	mg/Kg	1	10/12/2022 2:34:00 AM
Ethylbenzene	ND	0.047	mg/Kg	1	10/12/2022 2:34:00 AM
Xylenes, Total	ND	0.093	mg/Kg	1	10/12/2022 2:34:00 AM
Surr: 4-Bromofluorobenzene	97.8	70-130	%Rec	1	10/12/2022 2:34:00 AM
EPA METHOD 300.0: ANIONS					Analyst: NAI
Chloride	ND	60	mg/Kg	20	10/13/2022 12:45:07 PM

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

Qualifiers:

- Value exceeds Maximum Contaminant Level.
 D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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CLIENT: Vertex Resources Services, Inc.

Project: Papas Fritas 27 CTB1

Analytical Report
Lab Order 2210378

Date Reported: 10/19/2022

Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: BES22-43 2' Collection Date: 10/5/2022 1:15:00 PM Received Date: 10/7/2022 7:10:00 AM

Lab ID: 2210378-015	Matrix: SOIL	Recei	Received Date: 10/7/2022 7:10:00 AM							
Analyses	Result	RL Qua	l Units	DF	Date Analyzed					
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst: DGH					
Diesel Range Organics (DRO)	ND	13	mg/Kg	1	10/12/2022 11:02:54 PM					
Motor Oil Range Organics (MRO)	ND	42	mg/Kg	1	10/12/2022 11:02:54 PM					
Surr: DNOP	76.7	21-129	%Rec	1	10/12/2022 11:02:54 PM					
EPA METHOD 8015D: GASOLINE RANGE	E				Analyst: BRM					
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	10/12/2022 2:53:00 AM					
Surr: BFB	90.7	37.7-212	%Rec	1	10/12/2022 2:53:00 AM					
EPA METHOD 8021B: VOLATILES					Analyst: BRM					
Benzene	ND	0.025	mg/Kg	1	10/12/2022 2:53:00 AM					
Toluene	ND	0.050	mg/Kg	1	10/12/2022 2:53:00 AM					
Ethylbenzene	ND	0.050	mg/Kg	1	10/12/2022 2:53:00 AM					
Xylenes, Total	ND	0.10	mg/Kg	1	10/12/2022 2:53:00 AM					
Surr: 4-Bromofluorobenzene	93.5	70-130	%Rec	1	10/12/2022 2:53:00 AM					
EPA METHOD 300.0: ANIONS					Analyst: NAI					
Chloride	580	60	mg/Kg	20	10/13/2022 1:22:10 PM					

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level.D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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CLIENT: Vertex Resources Services, Inc.

Papas Fritas 27 CTB1

Analytical Report
Lab Order 2210378

Date Reported: 10/19/2022

Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: BES22-45 2' Collection Date: 10/5/2022 1:30:00 PM Received Date: 10/7/2022 7:10:00 AM

Lab ID: 2210378-016	Matrix: SOIL	Recei	Received Date: 10/7/2022 7:10:00 AM							
Analyses	Result	RL Qua	l Units	DF	Date Analyzed					
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst: DGH					
Diesel Range Organics (DRO)	ND	13	mg/Kg	1	10/12/2022 11:13:34 PM					
Motor Oil Range Organics (MRO)	ND	43	mg/Kg	1	10/12/2022 11:13:34 PM					
Surr: DNOP	90.5	21-129	%Rec	1	10/12/2022 11:13:34 PM					
EPA METHOD 8015D: GASOLINE RANGE	E				Analyst: BRM					
Gasoline Range Organics (GRO)	ND	4.6	mg/Kg	1	10/12/2022 3:13:00 AM					
Surr: BFB	91.5	37.7-212	%Rec	1	10/12/2022 3:13:00 AM					
EPA METHOD 8021B: VOLATILES					Analyst: BRM					
Benzene	ND	0.023	mg/Kg	1	10/12/2022 3:13:00 AM					
Toluene	ND	0.046	mg/Kg	1	10/12/2022 3:13:00 AM					
Ethylbenzene	ND	0.046	mg/Kg	1	10/12/2022 3:13:00 AM					
Xylenes, Total	ND	0.092	mg/Kg	1	10/12/2022 3:13:00 AM					
Surr: 4-Bromofluorobenzene	93.8	70-130	%Rec	1	10/12/2022 3:13:00 AM					
EPA METHOD 300.0: ANIONS					Analyst: NAI					
Chloride	250	60	mg/Kg	20	10/13/2022 1:59:12 PM					

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

Qualifiers:

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

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

S % Recovery outside of range due to dilution or matrix interference

- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range

RL Reporting Limit

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Lab ID:

CLIENT: Vertex Resources Services, Inc.

2210378-017

Papas Fritas 27 CTB1

Analytical Report
Lab Order 2210378

Date Reported: 10/19/2022

Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: BES22-46 2'Collection Date: 10/5/2022 1:35:00 PMMatrix: SOILReceived Date: 10/7/2022 7:10:00 AMResultRL Qual UnitsDFDate Analyzed

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst: DGH
Diesel Range Organics (DRO)	ND	14	mg/Kg	1	10/12/2022 11:24:16 PM
Motor Oil Range Organics (MRO)	ND	46	mg/Kg	1	10/12/2022 11:24:16 PM
Surr: DNOP	83.8	21-129	%Rec	1	10/12/2022 11:24:16 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	10/11/2022 1:15:58 PM
Surr: BFB	86.2	37.7-212	%Rec	1	10/11/2022 1:15:58 PM
EPA METHOD 8021B: VOLATILES					Analyst: NSB
Benzene	ND	0.024	mg/Kg	1	10/11/2022 1:15:58 PM
Toluene	ND	0.049	mg/Kg	1	10/11/2022 1:15:58 PM
Ethylbenzene	ND	0.049	mg/Kg	1	10/11/2022 1:15:58 PM
Xylenes, Total	ND	0.097	mg/Kg	1	10/11/2022 1:15:58 PM
Surr: 4-Bromofluorobenzene	93.7	70-130	%Rec	1	10/11/2022 1:15:58 PM
EPA METHOD 300.0: ANIONS					Analyst: NAI
Chloride	120	60	mg/Kg	20	10/13/2022 2:11:33 PM

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

Qualifiers:

- Value exceeds Maximum Contaminant Level.
 D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Lab ID:

Analytical Report Lab Order 2210378

Date Reported: 10/19/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: BES22-47 2' Papas Fritas 27 CTB1 Collection Date: 10/5/2022 1:40:00 PM 2210378-018 Matrix: SOIL Received Date: 10/7/2022 7:10:00 AM Result RL Qual Units DF Date Analyzed ł Μ M M

Result	RL (Qual Units	DF	Date Analyzed
GANICS				Analyst: DGH
ND	13	mg/Kg	1	10/13/2022 12:07:12 AM
ND	43	mg/Kg	1	10/13/2022 12:07:12 AM
94.2	21-129	%Rec	1	10/13/2022 12:07:12 AM
				Analyst: NSB
ND	4.9	mg/Kg	1	10/11/2022 2:26:23 PM
87.3	37.7-212	%Rec	1	10/11/2022 2:26:23 PM
				Analyst: NSB
ND	0.024	mg/Kg	1	10/11/2022 2:26:23 PM
ND	0.049	mg/Kg	1	10/11/2022 2:26:23 PM
ND	0.049	mg/Kg	1	10/11/2022 2:26:23 PM
ND	0.098	mg/Kg	1	10/11/2022 2:26:23 PM
93.3	70-130	%Rec	1	10/11/2022 2:26:23 PM
				Analyst: NAI
240	60	mg/Kg	20	10/13/2022 2:23:53 PM
	GANICS ND 94.2 ND 87.3 ND ND ND ND 93.3	GANICS ND 13 ND 43 94.2 21-129 ND 4.9 87.3 37.7-212 ND 0.024 ND 0.049 ND 0.049 ND 0.098 93.3 70-130	ND 13 mg/Kg ND 43 mg/Kg 94.2 21-129 %Rec ND 4.9 mg/Kg 87.3 37.7-212 %Rec ND 0.024 mg/Kg ND 0.049 mg/Kg ND 0.049 mg/Kg ND 0.049 mg/Kg ND 0.098 mg/Kg 93.3 70-130 %Rec	Sector ND 13 mg/Kg 1 ND 43 mg/Kg 1 94.2 21-129 %Rec 1 ND 4.9 mg/Kg 1 ND 4.9 mg/Kg 1 87.3 37.7-212 %Rec 1 ND 0.024 mg/Kg 1 ND 0.049 mg/Kg 1 ND 0.049 mg/Kg 1 ND 0.098 mg/Kg 1 93.3 70-130 %Rec 1

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

Qualifiers:

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

- н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix interference S
- Analyte detected in the associated Method Blank в
- Е Estimated value
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

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Client:	Vertex R	esources Services,	Inc.							
Project:	Papas Fri	itas 27 CTB1								
Sample ID:	MB-70775	SampType: mb	lk	Tes	tCode: EF	PA Method	300.0: Anions	5		
Client ID:	PBS	Batch ID: 707	F	RunNo: 91738						
Prep Date:	10/12/2022	Analysis Date: 10	/12/2022	S	eqNo: 32	290313	Units: mg/K	g		
Analyte Chloride		Result PQL ND 1.5	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Sample ID:	LCS-70775	SampType: Ics		Tes	tCode: EF	PA Method	300.0: Anion	6		
Client ID:	LCSS	Batch ID: 707	75	F	lunNo: 91	1738				
Prep Date:	10/12/2022	Analysis Date: 10	/12/2022	S	eqNo: 32	290314	Units: mg/K	g		
Analyte		Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride		14 1.5	15.00	0	94.0	90	110			
Sample ID:	MB-70774	SampType: mb	lk	Tes	tCode: EF	PA Method	300.0: Anions	6		
Client ID:	PBS	Batch ID: 707	74	F	lunNo: 91	1773				
Prep Date:	10/12/2022	Analysis Date: 10	/13/2022	S	eqNo: 32	291389	Units: mg/K	g		
Analyte		Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride		ND 1.5								
Sample ID:	LCS-70774	SampType: Ics		Tes	tCode: EF	PA Method	300.0: Anion:	6		
Client ID:	LCSS	Batch ID: 707	74	F	lunNo: 91	1773				
Prep Date:	10/12/2022	Analysis Date: 10	/13/2022	S	eqNo: 32	291390	Units: mg/K	g		
Analyte		Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Analyte						LOWLINI	i ngriennit			Quui

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
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- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

	Resources Services, Inc.	
Project: Papas F	ritas 27 CTB1	
Sample ID: LCS-70721	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics
Client ID: LCSS	Batch ID: 70721	RunNo: 91700
Prep Date: 10/11/2022	Analysis Date: 10/11/2022	SeqNo: 3286198 Units: %Rec
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Surr: DNOP	3.3 5.000	66.3 21 129
Sample ID: MB-70721	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics
Client ID: PBS	Batch ID: 70721	RunNo: 91700
Prep Date: 10/11/2022	Analysis Date: 10/11/2022	SeqNo: 3286199 Units: %Rec
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Surr: DNOP	8.3 10.00	82.6 21 129
Sample ID: LCS-70715	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics
Client ID: LCSS	Batch ID: 70715	RunNo: 91700
Prep Date: 10/10/2022	Analysis Date: 10/11/2022	SeqNo: 3288663 Units: mg/Kg
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Diesel Range Organics (DRO)	32 15 50.00	0 64.5 64.4 127
Surr: DNOP	3.4 5.000	68.3 21 129
-		00.0 21 120
Sample ID: LCS-70717	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics
	SampType: LCS Batch ID: 70717	
Sample ID: LCS-70717		TestCode: EPA Method 8015M/D: Diesel Range Organics
Sample ID: LCS-70717 Client ID: LCSS Prep Date: 10/10/2022 Analyte	Batch ID: 70717 Analysis Date: 10/11/2022 Result PQL SPK value	TestCode: EPA Method 8015M/D: Diesel Range Organics RunNo: 91700 SeqNo: 3288664 Units: mg/Kg SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Sample ID: LCS-70717 Client ID: LCSS Prep Date: 10/10/2022 Analyte Diesel Range Organics (DRO)	Batch ID: 70717 Analysis Date: 10/11/2022 Result PQL SPK value 35 15 50.00	TestCode: EPA Method 8015M/D: Diesel Range Organics RunNo: 91700
Sample ID: LCS-70717 Client ID: LCSS Prep Date: 10/10/2022 Analyte Diesel Range Organics (DRO) Surr: DNOP	Batch ID: 70717 Analysis Date: 10/11/2022 Result PQL SPK value 35 15 50.00 3.9 5.000	TestCode: EPA Method 8015M/D: Diesel Range OrganicsRunNo: 91700SeqNo: 3288664Units: mg/KgSPK Ref Val%RECLowLimitHighLimit069.664.412777.821129
Sample ID: LCS-70717 Client ID: LCSS Prep Date: 10/10/2022 Analyte Diesel Range Organics (DRO) Surr: DNOP Sample ID: MB-70715	Batch ID: 70717 Analysis Date: 10/11/2022 Result PQL SPK value 35 15 50.00 3.9 5.000 5.000 SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics RunNo: 91700 SeqNo: 3288664 Units: mg/Kg SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual 0 69.6 64.4 127 77.8 21 129 Image: Colspan="4">Image: Colspan="4">Image: Colspan="4">Image: Colspan="4">Colspan="4">Image: Colspan="4">Image: Colspan="4" 0 69.6 64.4 127 Image: Colspan="4" Image: Colspan="4" Image: Colspan="4" Image: Colspan="4" Im
Sample ID: LCS-70717 Client ID: LCSS Prep Date: 10/10/2022 Analyte Diesel Range Organics (DRO) Surr: DNOP Sample ID: MB-70715 Client ID: PBS	Batch ID: 70717 Analysis Date: 10/11/2022 Result PQL SPK value 35 15 50.00 3.9 5.000 5.000 SampType: Batch ID: T0715	TestCode: EPA Method 8015M/D: Diesel Range Organics RunNo: 91700 SeqNo: 3288664 Units: mg/Kg SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual 0 69.6 64.4 127 77.8 21 129 129 TestCode: EPA Method 8015M/D: Diesel Range Organics RunNo: 91700
Sample ID: LCS-70717 Client ID: LCSS Prep Date: 10/10/2022 Analyte Diesel Range Organics (DRO) Surr: DNOP Sample ID: MB-70715	Batch ID: 70717 Analysis Date: 10/11/2022 Result PQL SPK value 35 15 50.00 3.9 5.000 5.000 SampType: MBLK Batch ID: 70715 Analysis Date: 10/11/2022	TestCode: EPA Method 8015M/D: Diesel Range Organics RunNo: 91700 SeqNo: 3288664 Units: mg/Kg SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual 0 69.6 64.4 127 77.8 21 129 129 TestCode: EPA Method 8015M/D: Diesel Range Organics RunNo: 91700 SeqNo: 3288668 Units: mg/Kg
Sample ID: LCS-70717 Client ID: LCSS Prep Date: 10/10/2022 Analyte Diesel Range Organics (DRO) Surr: DNOP Sample ID: MB-70715 Client ID: PBS Prep Date: 10/10/2022 Analyte	Batch ID: 70717 Analysis Date: 10/11/2022 Result PQL SPK value 35 15 50.00 3.9 5.000 SampType: MBLK Batch ID: 70715 Analysis Date: 10/11/2022 Result PQL SPK value	TestCode: EPA Method 8015M/D: Diesel Range Organics RunNo: 91700 SeqNo: 3288664 Units: mg/Kg SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual 0 69.6 64.4 127 77.8 21 129 129 TestCode: EPA Method 8015M/D: Diesel Range Organics RunNo: 91700
Sample ID: LCS-70717 Client ID: LCSS Prep Date: 10/10/2022 Analyte Diesel Range Organics (DRO) Surr: DNOP Sample ID: MB-70715 Client ID: PBS Prep Date: 10/10/2022	Batch ID: 70717 Analysis Date: 10/11/2022 Result PQL SPK value 35 15 50.00 3.9 5.000 5.000 SampType: MBLK Batch ID: 70715 Analysis Date: 10/11/2022	TestCode: EPA Method 8015M/D: Diesel Range Organics RunNo: 91700 SeqNo: 3288664 Units: mg/Kg SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual 0 69.6 64.4 127 77.8 21 129 129 TestCode: EPA Method 8015M/D: Diesel Range Organics RunNo: 91700 SeqNo: 3288668 Units: mg/Kg
Sample ID: LCS-70717 Client ID: LCSS Prep Date: 10/10/2022 Analyte Diesel Range Organics (DRO) Surr: DNOP Sample ID: MB-70715 Client ID: PBS Prep Date: 10/10/2022 Analyte Diesel Range Organics (DRO)	Batch ID: 70717 Analysis Date: 10/11/2022 Result PQL SPK value 35 15 50.00 3.9 5.000 5.000 SampType: MBLK Batch ID: 70715 Analysis Date: 10/11/2022 Result PQL SPK value ND 15	TestCode: EPA Method 8015M/D: Diesel Range Organics RunNo: 91700 SeqNo: 3288664 Units: mg/Kg SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual 0 69.6 64.4 127 77.8 21 129 129 TestCode: EPA Method 8015M/D: Diesel Range Organics RunNo: 91700 SeqNo: 3288668 Units: mg/Kg
Sample ID: LCS-70717 Client ID: LCSS Prep Date: 10/10/2022 Analyte Diesel Range Organics (DRO) Surr: DNOP Sample ID: MB-70715 Client ID: PBS Prep Date: 10/10/2022 Analyte Diesel Range Organics (DRO) Motor Oil Range Organics (MRO)	Batch ID: 70717 Analysis Date: 10/11/2022 Result PQL SPK value 35 15 50.00 35 15 50.00 3.9 5.000 5.000 SampType: Batch ID: 70715 Analysis Date: 10/11/2022 Result PQL SPK value ND 15 ND ND 50 50	TestCode: EPA Method 8015M/D: Diesel Range Organics RunNo: 91700 SeqNo: 3288664 Units: mg/Kg SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual 0 69.6 64.4 127 77.8 21 129 129 TestCode: EPA Method 8015M/D: Diesel Range Organics RunNo: 91700 SeqNo: 3288668 Units: mg/Kg SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Sample ID: LCS-70717 Client ID: LCSS Prep Date: 10/10/2022 Analyte Diesel Range Organics (DRO) Surr: DNOP Sample ID: MB-70715 Client ID: PBS Prep Date: 10/10/2022 Analyte Diesel Range Organics (DRO) Motor Oil Range Organics (MRO) Surr: DNOP	Batch ID: 70717 Analysis Date: 10/11/2022 Result PQL SPK value 35 15 50.00 35 15 5.000 3.9 5.000 SampTye: Batch ID: 70715 Analysis Date: 10/11/2022 Result PQL SPK value ND 15 ND 50 9.1 10.00	TestCode: EPA Method 8015M/D: Diesel Range Organics RunNo: 91700 SeqNo: 3288664 Units: mg/Kg SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual 0 69.6 64.4 127 77.8 21 129 129 129 129 TestCode: EPA Method 8015M/D: Diesel Range Organics RunNo: 91700 SeqNo: 3288668 Units: mg/Kg SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual 90.7 21 129 129 129 129 121
Sample ID: LCS-70717 Client ID: LCSS Prep Date: 10/10/2022 Analyte Diesel Range Organics (DRO) Surr: DNOP Sample ID: MB-70715 Client ID: PBS Prep Date: 10/10/2022 Analyte Diesel Range Organics (DRO) Motor Oil Range Organics (MRO) Surr: DNOP Sample ID: MB-70717	Batch ID: 70717 Analysis Date: 10/11/2022 Result PQL SPK value 35 15 50.00 35 15 50.00 3.9 5.000 5.000 SampType: Batch ID: 70717 Analysis Date: 10/11/2022 Analysis Date: 10/11/2022 SPK value ND 15 ND ND 50 10.00 9.1 10.00 10.00	TestCode: EPA Method 8015M/D: Diesel Range Organics RunNo: 91700 SeqNo: 3288664 Units: mg/Kg SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual 0 69.6 64.4 127 77.8 21 129 129 129 120
Sample ID: LCS-70717 Client ID: LCSS Prep Date: 10/10/2022 Analyte Diesel Range Organics (DRO) Surr: DNOP Sample ID: MB-70715 Client ID: PBS Prep Date: 10/10/2022 Analyte Diesel Range Organics (DRO) Motor Oil Range Organics (MRO) Surr: DNOP Sample ID: MB-70717 Client ID: PBS	Batch ID: 70717 Analysis Date: 10/11/2022 Result PQL SPK value 35 15 50.00 35 15 50.00 3.9 5.000 5.000 SampTye: MBLK Batch ID: 70715 Analysis Date: 10/11/2022 Result PQL SPK value ND 15 ND 50 9.1 10.00 SampTye: MBLK Batch ID: 70715 Analysis Date: 10/11/2022	TestCode: EPA Method 8015M/D: Diesel Range Organics RunNo: 91700SeqNo: 3288664Units: mg/KgSPK Ref Val%RECLowLimitHighLimit%RPDRPDLimitQual069.664.4127129129129TestCode: EPA Method 8015M/D: Diesel Range Organics RunNo: 91700SeqNo: 3288668Units: mg/KgSPK Ref Val%RECLowLimitHighLimit%RPDRPDLimitQual90.72112920202020PolimitYatePolimitYate90.721129TestCode: EPA Method 8015M/D: Diesel Range OrganicsPolimitYate <t< td=""></t<>

Qualifiers:

* Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank

E Estimated value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

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Client: Project:		esources Se tas 27 CTE	,	, Inc.							
Sample ID:	MB-70717	SampT	ype: ME	BLK	Test	tCode: El	PA Method	8015M/D: Die	esel Range	e Organics	
Client ID:	PBS	Batch	ID: 707	717	R	unNo: 9	1700				
Prep Date:	10/10/2022	Analysis Date: 10/11/2022			S	eqNo: 3	288669	Units: mg/K	(g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Motor Oil Rang	e Organics (MRO)	ND	50								
Surr: DNOP		9.9		10.00		98.8	21	129			
Sample ID:	2210378-017AMS	SampT	ype: MS	3	Tes	tCode: El	PA Method	8015M/D: Die	esel Range	e Organics	
Client ID:	BES22-46 2'	Batch	ID: 707	717	RunNo: 91700						
Prep Date:	10/10/2022	Analysis D	ate: 10)/12/2022	SeqNo: 3291181			Units: mg/Kg			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range (Organics (DRO)	32	13	42.70	0	75.1	36.1	154			
Surr: DNOP		3.4		4.270		80.5	21	129			
Sample ID:	2210378-017AMSI	D SampT	ype: MS	SD	Tes	tCode: El	PA Method	8015M/D: Die	esel Range	e Organics	
Client ID:	BES22-46 2'	Batch	ID: 70	717	R	lunNo: 9	1700				
Prep Date:	10/10/2022	Analysis D	ate: 10)/12/2022	S	eqNo: 3	291182	Units: mg/K	(g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range	Organics (DRO)	36	14	48.31	0	73.6	36.1	154	10.4	33.9	
Surr: DNOP		3.9		4.831		81.3	21	129	0	0	

Qualifiers:

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- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix interference S
- Analyte detected in the associated Method Blank в
- Е Estimated value
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

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QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

Client: Project:		esources Se tas 27 CTE		, Inc.							
Sample ID:	mb-70714	SampT	ype: MI	BLK	Tes	tCode: EF	PA Method	8015D: Gasc	line Rang	e	
Client ID:	PBS	Batch ID: 70714			F	RunNo: 91687					
Prep Date:	10/10/2022	Analysis D	ate: 1	0/11/2022	S	SeqNo: 32	286403	Units: %Re	C		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB		860		1000		86.4	37.7	212			
Sample ID:	lcs-70714	SampT	ype: LC	s	Tes	tCode: EF	PA Method	8015D: Gaso	line Rang	e	
Client ID:	LCSS	Batch	ID: 70	714	F	RunNo: 9 1	1687				
Prep Date:	10/10/2022	Analysis D	ate: 10	0/11/2022	S	SeqNo: 32	286404	Units: %Re	C		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB		1700		1000		173	37.7	212			
Sample ID:	mb-70712	SampT	уре: М	BLK	Tes	tCode: EF	PA Method	8015D: Gaso	line Rang	e	
Client ID:	PBS	Batch	ID: 70	712	F	RunNo: 91687					
Prep Date:	10/10/2022	Analysis D	ate: 10	0/11/2022	S	SeqNo: 32	286419	Units: mg/K	(g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
-	e Organics (GRO)	ND	5.0								
Surr: BFB		870		1000		87.2	37.7	212			
Sample ID:	lcs-70712	SampT	ype: LC	s	Tes	tCode: EF	PA Method	8015D: Gasc	line Rang	e	
Sample ID: Client ID:			ype: LC			tCode: EF RunNo: 91		8015D: Gasc	line Rang	e	
Client ID:			ID: 70	712	F		1687	8015D: Gaso Units: mg/K		e	
Client ID: Prep Date: Analyte	LCSS 10/10/2022	Batch	ID: 70	712 D/11/2022	F	RunNo: 91 SeqNo: 32	1687			e RPDLimit	Qual
Client ID: Prep Date: Analyte Gasoline Rang	LCSS	Batch Analysis D Result 23	ID: 70 ate: 10	712 0/11/2022 SPK value 25.00	F S	RunNo: 9 SeqNo: 32 %REC 92.5	1687 286420 LowLimit 72.3	Units: mg/K HighLimit 137	(g		Qual
Client ID: Prep Date: Analyte	LCSS 10/10/2022	Batch Analysis D Result	ID: 70 ate: 1 0	712 0/11/2022 SPK value	F S SPK Ref Val	RunNo: 9 SeqNo: 32 %REC	1687 286420 LowLimit	Units: mg/K HighLimit	(g		Qual
Client ID: Prep Date: Analyte Gasoline Rang Surr: BFB	LCSS 10/10/2022	Batch Analysis D Result 23	ate: 1 0 PQL 5.0	712 0/11/2022 SPK value 25.00 1000	F S SPK Ref Val 0	RunNo: 9 SeqNo: 32 %REC 92.5 178	1687 286420 LowLimit 72.3 37.7	Units: mg/K HighLimit 137	S S S RPD	RPDLimit	Qual
Client ID: Prep Date: Analyte Gasoline Rang Surr: BFB	LCSS 10/10/2022 e Organics (GRO) 2210378-017ams	Batch Analysis D Result 23 1800 SampT	ate: 1 0 PQL 5.0	712 0/11/2022 SPK value 25.00 1000	F S SPK Ref Val 0 Tes	RunNo: 9 SeqNo: 32 %REC 92.5 178	1687 286420 LowLimit 72.3 37.7 PA Method	Units: mg/K HighLimit 137 212	S S S RPD	RPDLimit	Qual
Client ID: Prep Date: Analyte Gasoline Rang Surr: BFB Sample ID: Client ID:	LCSS 10/10/2022 e Organics (GRO) 2210378-017ams	Batch Analysis D Result 23 1800 SampT	ype: M	712 0/11/2022 SPK value 25.00 1000 5 712	F S SPK Ref Val 0 Tes F	RunNo: 9 GeqNo: 32 %REC 92.5 178 tCode: EF	1687 286420 LowLimit 72.3 37.7 PA Method 1687	Units: mg/K HighLimit 137 212	Sg %RPD	RPDLimit	Qual
Client ID: Prep Date: Analyte Gasoline Rang Surr: BFB Sample ID: Client ID: Prep Date: Analyte	LCSS 10/10/2022 e Organics (GRO) 2210378-017ams BES22-46 2' 10/10/2022	Batch Analysis D Result 23 1800 SampT Batch Analysis D Result	ype: 10 ate: 11 <u>PQL</u> 5.0 ype: M 1D: 70 ate: 11 PQL	712 0/11/2022 SPK value 25.00 1000 6 712 0/11/2022 SPK value	F SPK Ref Val 0 Tes F SPK Ref Val	RunNo: 9' SeqNo: 32 %REC 92.5 178 tCode: EF RunNo: 9' SeqNo: 32	1687 286420 LowLimit 72.3 37.7 PA Method 1687 286422	Units: mg/K HighLimit 137 212 8015D: Gaso	Sg %RPD	RPDLimit	Qual
Client ID: Prep Date: Analyte Gasoline Rang Surr: BFB Sample ID: Client ID: Prep Date: Analyte Gasoline Rang	LCSS 10/10/2022 e Organics (GRO) 2210378-017ams BES22-46 2'	Batch Analysis D Result 23 1800 SampT Batch Analysis D Result 24	ype: 1 () 1 (): 70 2 () 1 (): 1 (): 70 2 (): 1 (): 	712 0/11/2022 SPK value 25.00 1000 5 712 0/11/2022 SPK value 24.41	F SPK Ref Val 0 Tes F S	RunNo: 9' SeqNo: 32 92.5 178 tCode: EF RunNo: 9' SeqNo: 32 %REC 97.5	1687 286420 LowLimit 72.3 37.7 PA Method 1687 286422 LowLimit 70	Units: mg/K HighLimit 137 212 8015D: Gasc Units: mg/K HighLimit 130	Sg %RPD Nine Rang	RPDLimit e	
Client ID: Prep Date: Analyte Gasoline Rang Surr: BFB Sample ID: Client ID: Prep Date: Analyte	LCSS 10/10/2022 e Organics (GRO) 2210378-017ams BES22-46 2' 10/10/2022	Batch Analysis D Result 23 1800 SampT Batch Analysis D Result	ype: 10 ate: 11 <u>PQL</u> 5.0 ype: M 1D: 70 ate: 11 PQL	712 0/11/2022 SPK value 25.00 1000 6 712 0/11/2022 SPK value	F SPK Ref Val 0 Tes F SPK Ref Val	RunNo: 9' SeqNo: 32 <u>%REC</u> 92.5 178 tCode: EF RunNo: 9' SeqNo: 32 %REC	1687 286420 LowLimit 72.3 37.7 PA Method 1687 286422 LowLimit	Units: mg/K HighLimit 137 212 8015D: Gasc Units: mg/K HighLimit	Sg %RPD Nine Rang	RPDLimit e	
Client ID: Prep Date: Analyte Gasoline Rang Surr: BFB Sample ID: Client ID: Prep Date: Analyte Gasoline Rang Surr: BFB	LCSS 10/10/2022 e Organics (GRO) 2210378-017ams BES22-46 2' 10/10/2022	Batch Analysis D Result 23 1800 SampT Batch Analysis D Result 24 1800	ype: M PQL 5.0 ype: M 1D: 70 ate: 1 PQL 4.9	712 0/11/2022 SPK value 25.00 1000 5 712 0/11/2022 SPK value 24.41 976.6	F SPK Ref Val 0 Tes F SPK Ref Val 0	RunNo: 9 SeqNo: 32 %REC 92.5 178 tCode: EF RunNo: 9 SeqNo: 32 %REC 97.5 185	1687 286420 LowLimit 72.3 37.7 PA Method 1687 286422 LowLimit 70 37.7	Units: mg/K HighLimit 137 212 8015D: Gasc Units: mg/K HighLimit 130	Sg %RPD Vine Rang Sg %RPD	RPDLimit e RPDLimit	
Client ID: Prep Date: Analyte Gasoline Rang Surr: BFB Sample ID: Client ID: Prep Date: Analyte Gasoline Rang Surr: BFB Sample ID:	LCSS 10/10/2022 e Organics (GRO) 2210378-017ams BES22-46 2' 10/10/2022 e Organics (GRO)	Batch Analysis D Result 23 1800 SampT Batch Analysis D Result 24 1800 SampT	ype: M Ate: 1 PQL 5.0 ype: M ID: 70 Ate: 1 PQL 4.9	712 0/11/2022 SPK value 25.00 1000 S 712 0/11/2022 SPK value 24.41 976.6 SD	F SPK Ref Val 0 Tes SPK Ref Val 0 Tes	RunNo: 9 SeqNo: 32 %REC 92.5 178 tCode: EF RunNo: 9 SeqNo: 32 %REC 97.5 185	1687 286420 LowLimit 72.3 37.7 PA Method 1687 286422 LowLimit 70 37.7	Units: mg/K HighLimit 137 212 8015D: Gasc Units: mg/K HighLimit 130 212	Sg %RPD Vine Rang Sg %RPD	RPDLimit e RPDLimit	
Client ID: Prep Date: Analyte Gasoline Rang Surr: BFB Sample ID: Client ID: Prep Date: Analyte Gasoline Rang Surr: BFB Sample ID: Client ID:	LCSS 10/10/2022 e Organics (GRO) 2210378-017ams BES22-46 2' 10/10/2022 e Organics (GRO) 2210378-017amsd	Batch Analysis D Result 23 1800 SampT Batch Analysis D Result 24 1800 SampT	ype: 1 (PQL 5.0 ype: M (1D: 70 ate: 1 (<u>PQL</u> 4.9 ype: M (1D: 70	712 p/11/2022 SPK value 25.00 1000 5 712 p/11/2022 SPK value 24.41 976.6 5D 712	F SPK Ref Val 0 Tes SPK Ref Val 0 Tes F	RunNo: 9 SeqNo: 32 %REC 92.5 178 tCode: EF RunNo: 9 SeqNo: 32 %REC 97.5 185 tCode: EF	1687 286420 LowLimit 72.3 37.7 PA Method 1687 286422 LowLimit 70 37.7 PA Method 1687	Units: mg/K HighLimit 137 212 8015D: Gasc Units: mg/K HighLimit 130 212	Sg %RPD Nine Rang Sg %RPD	RPDLimit e RPDLimit	
Client ID: Prep Date: Analyte Gasoline Rang Surr: BFB Sample ID: Client ID: Prep Date: Analyte Gasoline Rang Surr: BFB Sample ID: Client ID:	LCSS 10/10/2022 e Organics (GRO) 2210378-017ams BES22-46 2' 10/10/2022 e Organics (GRO) 2210378-017amsd BES22-46 2'	Batch Analysis D Result 23 1800 SampT Batch Analysis D Result 24 1800 SampT Batch	ype: 1 (PQL 5.0 ype: M (1D: 70 ate: 1 (<u>PQL</u> 4.9 ype: M (1D: 70	712 5PK value 25.00 1000 5 712 5PK value 24.41 976.6 5D 712 0/11/2022	F SPK Ref Val 0 Tes SPK Ref Val 0 Tes F	RunNo: 9' SeqNo: 32 92.5 178 tCode: EF RunNo: 9' SeqNo: 32 %REC 97.5 185 tCode: EF RunNo: 9' SeqNo: 32	1687 286420 LowLimit 72.3 37.7 PA Method 1687 286422 LowLimit 70 37.7 PA Method 1687	Units: mg/K HighLimit 137 212 8015D: Gasc Units: mg/K HighLimit 130 212 8015D: Gasc	Sg %RPD Nine Rang Sg %RPD	RPDLimit e RPDLimit	
Client ID: Prep Date: Analyte Gasoline Rang Surr: BFB Sample ID: Client ID: Prep Date: Analyte Gasoline Rang Surr: BFB Sample ID: Client ID: Prep Date: Analyte	LCSS 10/10/2022 e Organics (GRO) 2210378-017ams BES22-46 2' 10/10/2022 e Organics (GRO) 2210378-017amsd BES22-46 2'	Batch Analysis D Result 23 1800 SampT Batch Analysis D Result 24 1800 SampT Batch Analysis D	ype: MS ate: 10 PQL 5.0 ype: MS ID: 70 ate: 10 PQL 4.9 ype: MS ID: 70 ate: 10	712 5PK value 25.00 1000 5 712 5PK value 24.41 976.6 5D 712 0/11/2022	F SPK Ref Val 0 Tes SPK Ref Val 0 Tes F S	RunNo: 9' SeqNo: 32 92.5 178 tCode: EF RunNo: 9' SeqNo: 32 %REC 97.5 185 tCode: EF RunNo: 9' SeqNo: 32	1687 286420 LowLimit 72.3 37.7 PA Method 1687 286422 LowLimit 70 37.7 PA Method 1687 286423	Units: mg/K HighLimit 137 212 8015D: Gaso Units: mg/K HighLimit 130 212 8015D: Gaso Units: mg/K	Sg %RPD Nine Rang Sg Nine Rang	RPDLimit e RPDLimit	Qual

Qualifiers:

Value exceeds Maximum Contaminant Level. *

D Sample Diluted Due to Matrix

Н Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

- % Recovery outside of range due to dilution or matrix interference S
- Analyte detected in the associated Method Blank в
- Е Estimated value

J Analyte detected below quantitation limits

Р Sample pH Not In Range

RL Reporting Limit Page 22 of 25

2210378

19-Oct-22

	Resources Se Fritas 27 CTH	,	Inc.							
Sample ID: Ics-70709	Tes	tCode: El	PA Method	8015D: Gasc	line Rang	e				
Client ID: LCSS	Client ID: LCSS Batch ID: 70709			RunNo: 91709						
Prep Date: 10/10/2022	Analysis Date: 10/11/2022				SeqNo: 3	286520	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	22	5.0	25.00	0	88.4	72.3	137			
Surr: BFB	1900		1000		194	37.7	212			
Sample ID: mb-70709	SampT	ype: ME	BLK	Tes	tCode: El	PA Method	8015D: Gaso	line Rang	e	
Client ID: PBS	Batch	n ID: 70 7	709	F	RunNo: 9	1709				
Prep Date: 10/10/2022	Analysis D	ate: 10	/11/2022	5	SeqNo: 3	286521	Units: mg/K	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	930		1000		92.9	37.7	212			

Qualifiers:

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

Released to Imaging: 3/6/2023 3:45:27 PM

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

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2210378

19-Oct-22

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

	esources S tas 27 CTI		Inc.							
Sample ID: mb-70714	SampT	Гуре: МЕ	BLK	Tes	Code: El	PA Method	8021B: Volat	iles		
Client ID: PBS	Batch	h ID: 70 7	714	RunNo: 91687						
Prep Date: 10/10/2022	Analysis D	Date: 10	/11/2022	S	eqNo: 3	286448	Units: %Rec	;		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	0.92		1.000		92.1	70	130			
Sample ID: LCS-70714	SampT	ype: LC	S	Tes	Code: El	PA Method	8021B: Volat	iles		
Client ID: LCSS	Batch	h ID: 70 7	714	R	unNo: 9	1687				
Prep Date: 10/10/2022	Analysis D	Date: 10	/11/2022	S	eqNo: 3	286449	Units: %Rec	;		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	0.94		1.000		93.9	70	130			
Sample ID: mb-70712	SampT	Гуре: МЕ	BLK	Tes	Code: El	PA Method	8021B: Volat	iles		
Client ID: PBS	Batch	h ID: 70 7	712	R	RunNo: 91687					
Prep Date: 10/10/2022	Analysis D	Date: 10	/11/2022	S	eqNo: 3	286464	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.93		1.000		93.0	70	130			
Sample ID: LCS-70712	SampT	ype: LC	S	Test	Code: El	PA Method	8021B: Volat	iles		
Client ID: LCSS	Batch	h ID: 70 7	712	R	unNo: 9	1687				
Prep Date: 10/10/2022	Analysis D	Date: 10	/11/2022	S	eqNo: 3	286465	Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.0	0.025	1.000	0	104	80	120			
Toluene	1.0	0.050	1.000	0	105	80	120			
Ethylbenzene	1.0	0.050	1.000	0	104	80	120			
Xylenes, Total	3.1	0.10	3.000	0	104	80	120			
Surr: 4-Bromofluorobenzene	0.95		1.000		95.1	70	130			
Sample ID: 2210378-018ams	SampT	Гуре: МS	;	Tes	Code: El	PA Method	8021B: Volat	iles		
Client ID: BES22-47 2'	Batch	h ID: 707	712	R	unNo: 9	1687				
Prep Date: 10/10/2022	Analysis D	Date: 10	/11/2022	S	eqNo: 3	286468	Units: mg/K	g		
Analyte	Result	PQL		SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.97	0.024	0.9756	0	99.8	68.8	120			
Toluene	0.99	0.049	0.9756	0.01252	99.8	73.6	124			
Ethylbenzene	1.0	0.049	0.9756	0	103	72.7	129			
Xylenes, Total	3.0	0.098	2.927	0.01840	101	75.7	126			

Qualifiers:

* Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

NDNot Detected at the Reporting LimitPQLPractical Quanitative Limit

S % Recovery outside of range due to dilution or matrix interference

B Analyte detected in the associated Method Blank

E Estimated value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

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2210378

19-Oct-22

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

	tex Resources as Fritas 27 CT		, Inc.							
Sample ID: 2210378-018	Bams Samp	Type: MS	6	Test	TestCode: EPA Method 8021B: Volatiles					
Client ID: BES22-47 2	Bat	ch ID: 70	712	RunNo: 91687						
Prep Date: 10/10/2022	2 Analysis	Date: 10)/11/2022	S	SeqNo: 3286468 Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene		I QL	0.9756		93.6	20wEinint 70	130	/orki D		Quai
		_		_						
Sample ID: 2210378-018	•	Type: MS					8021B: Volat	tiles		
Client ID: BES22-47 2	' Bate	ch ID: 70	712	R	unNo: 9	1687				
Prep Date: 10/10/2022	2 Analysis	Analysis Date: 10/11/2022			SeqNo: 3286469			ζg		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.94	0.024	0.9737	0	96.4	68.8	120	3.70	20	
Toluene	0.95	0.049	0.9737	0.01252	96.0	73.6	124	4.02	20	
Ethylbenzene	0.95	0.049	0.9737	0	97.4	72.7	129	5.33	20	
Xylenes, Total	2.9	0.097	2.921	0.01840	97.0	75.7	126	4.20	20	
Surr: 4-Bromofluorobenzene	9 0.92		0.9737		94.4	70	130	0	0	
Sample ID: Ics-70709	Samp	SampType: LCS TestCode: EPA Method 8021B: Volatiles								
Client ID: LCSS	Bate	ch ID: 70	709	RunNo: 91709						
Prep Date: 10/10/2022	Analysis	Date: 10)/11/2022	SeqNo: 3286568 Units: mg/Kg				٤g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.1	0.025	1.000	0	106	80	120			
Toluene	1.1	0.050	1.000	0	105	80	120			
Ethylbenzene	1.0	0.050	1.000	0	105	80	120			
Xylenes, Total	3.1	0.10	3.000	0	102	80	120			
Surr: 4-Bromofluorobenzene	9 0.93		1.000		93.2	70	130			
Sample ID: mb-70709	Samp	Type: ME	BLK	Test	Code: EF	PA Method	8021B: Volat	tiles		
		Batch ID: 70709 RunNo: 91709								
Client ID: PBS	Bate	ch ID: 70	709	R	unino. 9	1709				
		ch ID: 70 Date: 1(ieqNo: 3		Units: mg/k	٢g		
Client ID: PBS			0/11/2022				Units: mg/k HighLimit	(g %RPD	RPDLimit	Qual
Client ID: PBS Prep Date: 10/10/2022	2 Analysis	Date: 10	0/11/2022	S	eqNo: 32	286569	C C	•	RPDLimit	Qual
Client ID: PBS Prep Date: 10/10/2022 Analyte	2 Analysis Result	Date: 10 PQL	0/11/2022	S	eqNo: 32	286569	C C	•	RPDLimit	Qual
Client ID: PBS Prep Date: 10/10/2022 Analyte Benzene	2 Analysis Result ND	Date: 10 PQL 0.025	0/11/2022	S	eqNo: 32	286569	C C	•	RPDLimit	Qual
Client ID: PBS Prep Date: 10/10/2022 Analyte Benzene Toluene	2 Analysis Result ND ND	Date: 10 PQL 0.025 0.050	0/11/2022	S	eqNo: 32	286569	C C	•	RPDLimit	Qual

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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WO#: 2210378 19-Oct-22

Received by	OCD :	12/2/2022	2:00:05 PM

ANAL	RONMENTAL YSIS Ratory	Hall Environmen. A TEL: 505-345-39 Website: www.	490 Ibuquero 75 FAX:	01 Hawki jue, NM 505-345	ins NE 87109 5-4107	San	nple Log-In Check List
Client Name:	Vertex Resources Services, Inc.	Work Order Numb	er: 221	0378			RcptNo: 1
Received By:	Juan Rojas	10/7/2022 7:10:00 A	м		Guan	-9	
Completed By:	Tracy Casarrubias	10/7/2022 7:50:29 A	M				
Reviewed By:	JN10/7/22	2					
Chain of Cus	tody						
1. Is Chain of C	ustody complete?		Yes	\checkmark	No		Not Present 🗌
2. How was the	sample delivered?		Cou	rier			
Log In 3. Was an attem	npt made to cool the sampl	es?	Yes		No		
4. Were all same	ples received at a temperat	ure of >0° C to 6.0°C	Yes		No		
2.11.11	proper container(s)?		Yes		No		
6. Sufficient sam	ple volume for indicated te	st(s)?	Yes		No		
	except VOA and ONG) pro		Yes	~	No		
8. Was preserva	tive added to bottles?		Yes		No		NA 🗌
9. Received at le	east 1 vial with headspace <	1/4" for AQ VOA?	Yes		No		NA 🗹
10. Were any sar	nple containers received br	oken?	Yes		No		# of preserved
	ork match bottle labels? ancies on chain of custody)		Yes		No		bottles checked for pH: (<2.01 > 12 unless noted)
12. Are matrices of	correctly identified on Chair	of Custody?	Yes		No		Adjusted?
3. Is it clear what	t analyses were requested?	,	Yes	\checkmark	No		
	ng times able to be met? ustomer for authorization.)		Yes		No		Checked by: KPG 10 -7-22
Special Handl	ing (if applicable)						
15. Was client no	tified of all discrepancies w	vith this order?	Yes		No		NA 🗹
By Who Regard		Date: Via:	eM	ail 🗌	Phone 🗌	Fax	In Person
16. Additional rel	marks:						
17. <u>Cooler Infor</u> Cooler No 1	mation	Seal Intact Seal No Yes	Seal D	ate	Signed I	Ву	

Page 1 of 1

Citalit-OI-CUSTOUS RECOID		HALLENVIDONMENTAL
Sclient: Verzex (Devon)	I Standard 丸 Rush の Dav	ANALYSIS LABORATORY
mag	Project Name:	
Aailing Address: DM KUL	Pupas Fritas 27 CTB 1	4901 Hawkins NE - Albuquerque, NM 87109
0		
Phone #:	722 E-01417	Anal
email or Fax#:	Project Manager:	¢0 0
A/QC Package:	Kent Stallings	PO₄, S NIMS PCB's O / MR
Accreditation:	Sampler: Zuch Englishert	о ^{2,1} 327(1)
NELAC Other	D Yes	(A) (0) (0) (0) (0) (0) (0) (0) (0) (0) (0
EDD (Type)		(GK 103 109 109 109 109 109 109 109 109 109 109
	(including CF): 1.01-0-0-1.01	15D0 ethd y 83 h Me 5 Me 6 hr, N OA)
Date Time Matrix Sample Name	Container Preservative HEAL No. Type and # Type	31EX 31EX 3081 Pc 2081 Pc 2081 Pc 32270 (S 32270 (S 5270 (S 52
5 5011	lce	3 3 1 1 1
10-5-2 10:00 1 BES22-03 2'	-	
10-5-22 10:35 BES 22 - 16 2'	د	
10-5 11:30 BES22-18 2'	1-jar nou	
10-5 11:45 BES22-20 2	1-jar mos	
10-5 12:00 BES22-21 2		
10-5 12:10 BES 22-22 2'	1- 14r 10-	
0-5 12:20 BES22-23 2'		
0-5 12:30 BES22-24 2'	1-jar 009	
10-5 12:35 BES22-32 2'	1-jar 010	
10-5 12:40 , BES22-33 2'		
5 12:45 V 8 ES 22 -		
10-5 1830 Quill Ann HUH		Remarks: Dicect bill to Devon, Dale Woodall /
Time:	1	
C	all with a mark	NU # 209 +0+41 (2

14

0 gach Englebert NMMMMM 10/12

c.



October 19, 2022

Kent Stallings Vertex Resources Services, Inc. 3101 Boyd Drive Carlsbad, NM 88220 TEL: (505) 506-0040 FAX Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

RE: Papas Fritas

OrderNo.: 2210428

Dear Kent Stallings:

Hall Environmental Analysis Laboratory received 13 sample(s) on 10/8/2022 for the analyses presented in the following report.

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

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

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

Sincerely,

andy

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

Date Reported: 10/19/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: BES22-61 2' **Project: Papas** Fritas Collection Date: 10/6/2022 9:40:00 AM Lab ID: 2210428-001 Matrix: SOIL Received Date: 10/8/2022 8:30:00 AM Result **RL** Qual Units DF **Date Analyzed** Analyses **EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** Analyst: DGH Diesel Range Organics (DRO) ND 14 mg/Kg 1 10/12/2022 4:32:32 AM Motor Oil Range Organics (MRO) ND 47 mg/Kg 1 10/12/2022 4:32:32 AM Surr: DNOP 81.9 21-129 %Rec 1 10/12/2022 4:32:32 AM **EPA METHOD 8015D: GASOLINE RANGE** Analyst: NSB Gasoline Range Organics (GRO) ND 10/12/2022 4:17:38 PM 4.9 mg/Kg 1 Surr: BFB 86.9 37.7-212 %Rec 1 10/12/2022 4:17:38 PM **EPA METHOD 8021B: VOLATILES** Analyst: NSB Benzene ND 0.024 mg/Kg 10/12/2022 4:17:38 PM 1 Toluene ND 0.049 mg/Kg 1 10/12/2022 4:17:38 PM Ethylbenzene ND 0.049 mg/Kg 1 10/12/2022 4:17:38 PM Xylenes, Total ND 0.097 mg/Kg 1 10/12/2022 4:17:38 PM Surr: 4-Bromofluorobenzene 93.8 70-130 %Rec 1 10/12/2022 4:17:38 PM Analyst: JTT **EPA METHOD 300.0: ANIONS** Chloride 670 60 10/14/2022 1:19:01 AM ma/Ka 20

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

Qualifiers:

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

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

S % Recovery outside of range due to dilution or matrix interference

B Analyte detected in the associated Method Blank

E Estimated value

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

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Date Reported: 10/19/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: BES22-62 2' **Project: Papas** Fritas Collection Date: 10/6/2022 9:50:00 AM Lab ID: 2210428-002 Matrix: SOIL Received Date: 10/8/2022 8:30:00 AM Result **RL** Qual Units DF **Date Analyzed** Analyses **EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** Analyst: DGH Diesel Range Organics (DRO) ND 14 mg/Kg 1 10/12/2022 4:43:04 AM Motor Oil Range Organics (MRO) ND 46 mg/Kg 1 10/12/2022 4:43:04 AM 21-129 Surr: DNOP 87.2 %Rec 1 10/12/2022 4:43:04 AM **EPA METHOD 8015D: GASOLINE RANGE** Analyst: NSB Gasoline Range Organics (GRO) ND 10/12/2022 4:41:01 PM 4.9 mg/Kg 1 Surr: BFB 87.4 37.7-212 %Rec 1 10/12/2022 4:41:01 PM **EPA METHOD 8021B: VOLATILES** Analyst: NSB Benzene ND 0.024 mg/Kg 10/12/2022 4:41:01 PM 1 Toluene ND 0.049 mg/Kg 1 10/12/2022 4:41:01 PM Ethylbenzene ND 0.049 mg/Kg 1 10/12/2022 4:41:01 PM Xylenes, Total ND 0.097 mg/Kg 1 10/12/2022 4:41:01 PM Surr: 4-Bromofluorobenzene 94.8 70-130 %Rec 1 10/12/2022 4:41:01 PM **EPA METHOD 300.0: ANIONS** Analyst: JTT Chloride 340 60 10/14/2022 1:31:25 AM ma/Ka 20

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

Qualifiers:

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

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

S % Recovery outside of range due to dilution or matrix interference

B Analyte detected in the associated Method Blank

E Estimated value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

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Date Reported: 10/19/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: BES22-65 2' **Project: Papas** Fritas Collection Date: 10/6/2022 10:00:00 AM Lab ID: 2210428-003 Matrix: SOIL Received Date: 10/8/2022 8:30:00 AM Result **RL** Qual Units DF **Date Analyzed** Analyses **EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** Analyst: DGH Diesel Range Organics (DRO) ND 14 mg/Kg 1 10/12/2022 4:53:35 AM Motor Oil Range Organics (MRO) ND 47 mg/Kg 1 10/12/2022 4:53:35 AM 21-129 Surr: DNOP 89.5 %Rec 1 10/12/2022 4:53:35 AM **EPA METHOD 8015D: GASOLINE RANGE** Analyst: NSB Gasoline Range Organics (GRO) ND 10/12/2022 5:04:25 PM 4.9 mg/Kg 1 Surr: BFB 86.5 37.7-212 %Rec 1 10/12/2022 5:04:25 PM **EPA METHOD 8021B: VOLATILES** Analyst: NSB Benzene ND 0.024 mg/Kg 10/12/2022 5:04:25 PM 1 Toluene ND 0.049 mg/Kg 1 10/12/2022 5:04:25 PM Ethylbenzene ND 0.049 mg/Kg 1 10/12/2022 5:04:25 PM Xylenes, Total ND 0.098 mg/Kg 1 10/12/2022 5:04:25 PM Surr: 4-Bromofluorobenzene 94.9 70-130 %Rec 1 10/12/2022 5:04:25 PM Analyst: JTT **EPA METHOD 300.0: ANIONS** Chloride 97 60 10/14/2022 1:43:50 AM ma/Ka 20

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

Qualifiers:

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

H Holding times for preparation or analysis exceeded

- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Date Reported: 10/19/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: BES22-67 2' **Project: Papas** Fritas Collection Date: 10/6/2022 10:05:00 AM Lab ID: 2210428-004 Matrix: SOIL Received Date: 10/8/2022 8:30:00 AM Result **RL** Qual Units DF **Date Analyzed** Analyses **EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** Analyst: DGH Diesel Range Organics (DRO) ND 15 mg/Kg 1 10/12/2022 5:04:06 AM Motor Oil Range Organics (MRO) ND 50 mg/Kg 1 10/12/2022 5:04:06 AM Surr: DNOP 89.9 21-129 %Rec 1 10/12/2022 5:04:06 AM **EPA METHOD 8015D: GASOLINE RANGE** Analyst: NSB Gasoline Range Organics (GRO) ND 10/12/2022 5:28:01 PM 5.0 mg/Kg 1 Surr: BFB 84.7 37.7-212 %Rec 1 10/12/2022 5:28:01 PM **EPA METHOD 8021B: VOLATILES** Analyst: NSB Benzene ND 0.025 mg/Kg 10/12/2022 5:28:01 PM 1 Toluene 0.050 ND mg/Kg 1 10/12/2022 5:28:01 PM Ethylbenzene ND 0.050 mg/Kg 1 10/12/2022 5:28:01 PM Xylenes, Total ND 0.10 mg/Kg 1 10/12/2022 5:28:01 PM Surr: 4-Bromofluorobenzene 90.5 70-130 %Rec 1 10/12/2022 5:28:01 PM **EPA METHOD 300.0: ANIONS** Analyst: JTT Chloride 450 60 10/14/2022 1:56:15 AM ma/Ka 20

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

Qualifiers:

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

H Holding times for preparation or analysis exceeded

- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Date Reported: 10/19/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: BES22-68 2' **Project: Papas** Fritas Collection Date: 10/6/2022 10:10:00 AM Lab ID: 2210428-005 Matrix: SOIL Received Date: 10/8/2022 8:30:00 AM Result **RL** Qual Units DF **Date Analyzed** Analyses **EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** Analyst: DGH Diesel Range Organics (DRO) ND 14 mg/Kg 1 10/13/2022 4:20:25 AM Motor Oil Range Organics (MRO) ND 48 mg/Kg 1 10/13/2022 4:20:25 AM 21-129 Surr: DNOP 90.3 %Rec 1 10/13/2022 4:20:25 AM **EPA METHOD 8015D: GASOLINE RANGE** Analyst: NSB Gasoline Range Organics (GRO) ND 10/12/2022 1:57:00 PM 4.9 mg/Kg 1 Surr: BFB 88.8 37.7-212 %Rec 1 10/12/2022 1:57:00 PM **EPA METHOD 8021B: VOLATILES** Analyst: NSB Benzene ND 0.024 mg/Kg 10/12/2022 1:57:00 PM 1 Toluene ND 0.049 mg/Kg 1 10/12/2022 1:57:00 PM Ethylbenzene ND 0.049 mg/Kg 1 10/12/2022 1:57:00 PM Xylenes, Total ND 0.097 mg/Kg 1 10/12/2022 1:57:00 PM Surr: 4-Bromofluorobenzene 94.2 70-130 %Rec 1 10/12/2022 1:57:00 PM Analyst: JTT **EPA METHOD 300.0: ANIONS** Chloride 460 60 10/14/2022 2:08:40 AM ma/Ka 20

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

Qualifiers:

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

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

S % Recovery outside of range due to dilution or matrix interference

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

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Date Reported: 10/19/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: BES22-90 4' **Project: Papas** Fritas Collection Date: 10/6/2022 11:45:00 AM Lab ID: 2210428-006 Matrix: SOIL Received Date: 10/8/2022 8:30:00 AM Result **RL** Qual Units DF **Date Analyzed** Analyses **EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** Analyst: DGH Diesel Range Organics (DRO) ND 15 mg/Kg 1 10/13/2022 4:30:57 AM Motor Oil Range Organics (MRO) ND 50 mg/Kg 1 10/13/2022 4:30:57 AM Surr: DNOP 99.0 21-129 %Rec 1 10/13/2022 4:30:57 AM **EPA METHOD 8015D: GASOLINE RANGE** Analyst: NSB Gasoline Range Organics (GRO) ND 10/12/2022 5:51:24 PM 4.7 mg/Kg 1 Surr: BFB 86.4 37.7-212 %Rec 1 10/12/2022 5:51:24 PM **EPA METHOD 8021B: VOLATILES** Analyst: NSB Benzene ND 0.024 mg/Kg 10/12/2022 5:51:24 PM 1 Toluene ND 0.047 mg/Kg 1 10/12/2022 5:51:24 PM Ethylbenzene ND 0.047 mg/Kg 1 10/12/2022 5:51:24 PM Xylenes, Total ND 0.095 mg/Kg 1 10/12/2022 5:51:24 PM Surr: 4-Bromofluorobenzene 93.2 70-130 %Rec 1 10/12/2022 5:51:24 PM Analyst: JTT **EPA METHOD 300.0: ANIONS** Chloride ND 60 10/14/2022 2:21:04 AM ma/Ka 20

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

Qualifiers:

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

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

S % Recovery outside of range due to dilution or matrix interference

B Analyte detected in the associated Method Blank

E Estimated value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

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Date Reported: 10/19/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: BES22-95 4' **Project: Papas** Fritas Collection Date: 10/6/2022 11:55:00 AM Lab ID: 2210428-007 Matrix: SOIL Received Date: 10/8/2022 8:30:00 AM Result **RL** Qual Units DF **Date Analyzed** Analyses **EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** Analyst: DGH Diesel Range Organics (DRO) ND 14 mg/Kg 1 10/13/2022 4:41:27 AM Motor Oil Range Organics (MRO) ND 46 mg/Kg 1 10/13/2022 4:41:27 AM Surr: DNOP 86.6 21-129 %Rec 1 10/13/2022 4:41:27 AM **EPA METHOD 8015D: GASOLINE RANGE** Analyst: NSB Gasoline Range Organics (GRO) ND 10/12/2022 6:14:59 PM 5.0 mg/Kg 1 Surr: BFB 86.1 37.7-212 %Rec 1 10/12/2022 6:14:59 PM **EPA METHOD 8021B: VOLATILES** Analyst: NSB Benzene ND 0.025 mg/Kg 10/12/2022 6:14:59 PM 1 Toluene 0.050 ND mg/Kg 1 10/12/2022 6:14:59 PM Ethylbenzene ND 0.050 mg/Kg 1 10/12/2022 6:14:59 PM Xylenes, Total ND 0.10 mg/Kg 1 10/12/2022 6:14:59 PM Surr: 4-Bromofluorobenzene 93.1 70-130 %Rec 1 10/12/2022 6:14:59 PM Analyst: JTT **EPA METHOD 300.0: ANIONS** Chloride 90 59 10/14/2022 2:33:29 AM ma/Ka 20

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

Qualifiers:

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

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

S % Recovery outside of range due to dilution or matrix interference

B Analyte detected in the associated Method Blank

E Estimated value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

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CLIENT: Vertex Resources Services, Inc.

Papas Fritas

Analytical Report
Lab Order 2210428

Date Reported: 10/19/2022

Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: BES22-96 4' Collection Date: 10/6/2022 12:00:00 PM Received Date: 10/8/2022 8:30:00 AM

Lab ID: 2210428-008	Matrix: SOIL	Received Date: 10/8/2022 8:30:00 AM						
Analyses	Result	RL Qua	al Units	DF	Date Analyzed			
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst: DGH			
Diesel Range Organics (DRO)	ND	14	mg/Kg	1	10/13/2022 4:51:57 AM			
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	10/13/2022 4:51:57 AM			
Surr: DNOP	89.4	21-129	%Rec	1	10/13/2022 4:51:57 AM			
EPA METHOD 8015D: GASOLINE RANGE	E				Analyst: NSB			
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	10/12/2022 6:38:40 PM			
Surr: BFB	83.3	37.7-212	%Rec	1	10/12/2022 6:38:40 PM			
EPA METHOD 8021B: VOLATILES					Analyst: NSB			
Benzene	ND	0.023	mg/Kg	1	10/12/2022 6:38:40 PM			
Toluene	ND	0.047	mg/Kg	1	10/12/2022 6:38:40 PM			
Ethylbenzene	ND	0.047	mg/Kg	1	10/12/2022 6:38:40 PM			
Xylenes, Total	ND	0.094	mg/Kg	1	10/12/2022 6:38:40 PM			
Surr: 4-Bromofluorobenzene	91.4	70-130	%Rec	1	10/12/2022 6:38:40 PM			
EPA METHOD 300.0: ANIONS					Analyst: JTT			
Chloride	ND	60	mg/Kg	20	10/14/2022 2:45:54 AM			

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

Qualifiers:

- Value exceeds Maximum Contaminant Level.
 D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Lab ID:

CLIENT: Vertex Resources Services, Inc.

Papas Fritas

2210428-009

Analytical Report
Lab Order 2210428

Hall Environmental Analysis Laboratory, Inc.

 Client Sample ID: BES22-102 4'

 Collection Date: 10/6/2022 12:50:00 PM

 Matrix: SOIL
 Received Date: 10/8/2022 8:30:00 AM

 Result
 RL Qual Units
 DF
 Date Analyzed

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analyst: DGH
Diesel Range Organics (DRO)	ND	15	mg/Kg	1	10/13/2022 5:02:26 AM
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	10/13/2022 5:02:26 AM
Surr: DNOP	79.4	21-129	%Rec	1	10/13/2022 5:02:26 AM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	10/12/2022 7:02:04 PM
Surr: BFB	86.1	37.7-212	%Rec	1	10/12/2022 7:02:04 PM
EPA METHOD 8021B: VOLATILES					Analyst: NSB
Benzene	ND	0.023	mg/Kg	1	10/12/2022 7:02:04 PM
Toluene	ND	0.047	mg/Kg	1	10/12/2022 7:02:04 PM
Ethylbenzene	ND	0.047	mg/Kg	1	10/12/2022 7:02:04 PM
Xylenes, Total	ND	0.093	mg/Kg	1	10/12/2022 7:02:04 PM
Surr: 4-Bromofluorobenzene	93.3	70-130	%Rec	1	10/12/2022 7:02:04 PM
EPA METHOD 300.0: ANIONS					Analyst: JTT
Chloride	180	60	mg/Kg	20	10/14/2022 2:58:18 AM

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

Qualifiers:

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

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

S % Recovery outside of range due to dilution or matrix interference

B Analyte detected in the associated Method Blank

E Estimated value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

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Date Reported: 10/19/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: BES22-104 2' **Project: Papas** Fritas Collection Date: 10/6/2022 12:55:00 PM Lab ID: 2210428-010 Matrix: SOIL Received Date: 10/8/2022 8:30:00 AM Result **RL** Qual Units DF **Date Analyzed** Analyses **EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** Analyst: DGH Diesel Range Organics (DRO) ND 15 mg/Kg 1 10/13/2022 5:12:52 AM Motor Oil Range Organics (MRO) ND 49 mg/Kg 1 10/13/2022 5:12:52 AM 21-129 Surr: DNOP 80.5 %Rec 1 10/13/2022 5:12:52 AM **EPA METHOD 8015D: GASOLINE RANGE** Analyst: NSB Gasoline Range Organics (GRO) ND 10/12/2022 7:25:23 PM 4.8 mg/Kg 1 Surr: BFB 86.6 37.7-212 %Rec 1 10/12/2022 7:25:23 PM **EPA METHOD 8021B: VOLATILES** Analyst: NSB Benzene ND 10/12/2022 7:25:23 PM 0.024 mg/Kg 1 Toluene ND 0.048 mg/Kg 1 10/12/2022 7:25:23 PM Ethylbenzene ND 0.048 mg/Kg 1 10/12/2022 7:25:23 PM Xylenes, Total ND 0.096 mg/Kg 1 10/12/2022 7:25:23 PM Surr: 4-Bromofluorobenzene 93.5 70-130 %Rec 1 10/12/2022 7:25:23 PM Analyst: JTT **EPA METHOD 300.0: ANIONS** Chloride 410 60 10/14/2022 3:10:43 AM ma/Ka 20

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

Qualifiers:

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

- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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CLIENT: Vertex Resources Services, Inc.

Papas Fritas

Analytical Report
Lab Order 2210428

Date Reported: 10/19/2022

Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: BES22-106 2' Collection Date: 10/6/2022 1:05:00 PM Received Date: 10/8/2022 8:30:00 AM

Lab ID: 2210428-011	Matrix: SOIL	Received Date: 10/8/2022 8:30:00 AM						
Analyses	Result	RL Qu	al Units	DF	Date Analyzed			
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst: DGH			
Diesel Range Organics (DRO)	ND	13	mg/Kg	1	10/13/2022 5:23:23 AM			
Motor Oil Range Organics (MRO)	ND	44	mg/Kg	1	10/13/2022 5:23:23 AM			
Surr: DNOP	94.6	21-129	%Rec	1	10/13/2022 5:23:23 AM			
EPA METHOD 8015D: GASOLINE RANGE	E				Analyst: NSB			
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	10/12/2022 7:48:41 PM			
Surr: BFB	86.1	37.7-212	%Rec	1	10/12/2022 7:48:41 PM			
EPA METHOD 8021B: VOLATILES					Analyst: NSB			
Benzene	ND	0.025	mg/Kg	1	10/12/2022 7:48:41 PM			
Toluene	ND	0.049	mg/Kg	1	10/12/2022 7:48:41 PM			
Ethylbenzene	ND	0.049	mg/Kg	1	10/12/2022 7:48:41 PM			
Xylenes, Total	ND	0.099	mg/Kg	1	10/12/2022 7:48:41 PM			
Surr: 4-Bromofluorobenzene	93.9	70-130	%Rec	1	10/12/2022 7:48:41 PM			
EPA METHOD 300.0: ANIONS					Analyst: JTT			
Chloride	150	60	mg/Kg	20	10/14/2022 3:47:57 AM			

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

Qualifiers:

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

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

B Analyte detected in the associated Method Blank

- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range

RL Reporting Limit

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Date Reported: 10/19/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: BES22-108 4' **Project: Papas** Fritas Collection Date: 10/6/2022 1:15:00 PM Lab ID: 2210428-012 Matrix: SOIL Received Date: 10/8/2022 8:30:00 AM Result **RL** Qual Units DF **Date Analyzed** Analyses **EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** Analyst: DGH Diesel Range Organics (DRO) ND 15 mg/Kg 1 10/13/2022 5:44:18 AM Motor Oil Range Organics (MRO) ND 50 mg/Kg 1 10/13/2022 5:44:18 AM Surr: DNOP 85.9 21-129 %Rec 1 10/13/2022 5:44:18 AM **EPA METHOD 8015D: GASOLINE RANGE** Analyst: NSB Gasoline Range Organics (GRO) ND 10/12/2022 8:35:19 PM 4.7 mg/Kg 1 Surr: BFB 85.4 37.7-212 %Rec 1 10/12/2022 8:35:19 PM **EPA METHOD 8021B: VOLATILES** Analyst: NSB Benzene ND 0.023 mg/Kg 10/12/2022 8:35:19 PM 1 Toluene ND 0.047 mg/Kg 1 10/12/2022 8:35:19 PM Ethylbenzene ND 0.047 mg/Kg 1 10/12/2022 8:35:19 PM Xylenes, Total ND 0.093 mg/Kg 1 10/12/2022 8:35:19 PM Surr: 4-Bromofluorobenzene 94.1 70-130 %Rec 1 10/12/2022 8:35:19 PM Analyst: JTT **EPA METHOD 300.0: ANIONS** Chloride 210 60 10/14/2022 4:00:21 AM ma/Ka 20

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

Qualifiers:

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

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

S % Recovery outside of range due to dilution or matrix interference

B Analyte detected in the associated Method Blank

E Estimated value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

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Date Reported: 10/19/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: BES22-109 2' **Project: Papas** Fritas Collection Date: 10/6/2022 1:20:00 PM Lab ID: 2210428-013 Matrix: SOIL Received Date: 10/8/2022 8:30:00 AM Result **RL** Qual Units DF **Date Analyzed** Analyses **EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** Analyst: DGH Diesel Range Organics (DRO) ND 14 mg/Kg 1 10/13/2022 5:54:47 AM Motor Oil Range Organics (MRO) ND 47 mg/Kg 1 10/13/2022 5:54:47 AM 21-129 Surr: DNOP 74.4 %Rec 1 10/13/2022 5:54:47 AM **EPA METHOD 8015D: GASOLINE RANGE** Analyst: NSB Gasoline Range Organics (GRO) ND 10/12/2022 8:58:46 PM 4.7 mg/Kg 1 Surr: BFB 83.6 37.7-212 %Rec 1 10/12/2022 8:58:46 PM **EPA METHOD 8021B: VOLATILES** Analyst: NSB Benzene ND 0.023 mg/Kg 10/12/2022 8:58:46 PM 1 Toluene ND 0.047 mg/Kg 1 10/12/2022 8:58:46 PM Ethylbenzene ND 0.047 mg/Kg 1 10/12/2022 8:58:46 PM Xylenes, Total ND 0.093 mg/Kg 1 10/12/2022 8:58:46 PM Surr: 4-Bromofluorobenzene 91.7 70-130 %Rec 1 10/12/2022 8:58:46 PM Analyst: JTT **EPA METHOD 300.0: ANIONS** Chloride 400 60 10/14/2022 4:12:46 AM ma/Ka 20

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

Qualifiers:

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

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

S % Recovery outside of range due to dilution or matrix interference

B Analyte detected in the associated Method Blank

E Estimated value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

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Client: Project:	Vertex Resources Papas Fritas	Services	, Inc.							
Sample ID: MB-70)820 Sam	рТуре: М І	BLK	Tes	tCode: EPA	A Method	300.0: Anion	S		
Client ID: PBS	Ba	tch ID: 70	820	F	RunNo: 918	300				
Prep Date: 10/13	3/2022 Analysis	Date: 1	0/13/2022	S	SeqNo: 329	91259	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								
Sample ID: LCS-7	7 0820 Sam	рТуре: LC	s	Tes	tCode: EPA	A Method	300.0: Anion	S		
Client ID: LCSS	Ва	tch ID: 70	820	F	RunNo: 918	300				
Prep Date: 10/1:	3/2022 Analysis	Date: 1	0/13/2022	S	SeqNo: 329	91260	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	95.9	90	110			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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2210428

19-Oct-22

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

Client: Vertex F Project: Papas Fr	Resources Services, Inc. ritas								
Sample ID: LCS-70721	SampType: LCS	TestCode: EPA Method	8015M/D: Diesel Range Organics						
Client ID: LCSS	Batch ID: 70721	RunNo: 91700	RunNo: 91700						
Prep Date: 10/11/2022	Analysis Date: 10/11/2022	SeqNo: 3286198	Units: mg/Kg						
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD RPDLimit	Qual					
Diesel Range Organics (DRO) Surr: DNOP	33 15 50.00 3.3 5.000	0 67.0 64.4 66.3 21	127 129						
Sample ID: MB-70721	SampType: MBLK	TestCode: EPA Method	8015M/D: Diesel Range Organics						
Client ID: PBS	Batch ID: 70721	RunNo: 91700							
Prep Date: 10/11/2022	Analysis Date: 10/11/2022	SeqNo: 3286199	Units: mg/Kg						
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD RPDLimit	Qual					
Diesel Range Organics (DRO)	ND 15								
Motor Oil Range Organics (MRO) Surr: DNOP	ND 50 8.3 10.00	82.6 21	129						
Sample ID: LCS-70717	SampType: LCS	TestCode: EPA Method	8015M/D: Diesel Range Organics						
Client ID: LCSS	Batch ID: 70717	RunNo: 91700							
Prep Date: 10/10/2022	Analysis Date: 10/11/2022	SeqNo: 3288664	Units: %Rec						
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD RPDLimit	Qual					
Surr: DNOP	3.9 5.000	77.8 21	129						
Sample ID: MB-70717	SampType: MBLK	TestCode: EPA Method	8015M/D: Diesel Range Organics						
Client ID: PBS	Batch ID: 70717	RunNo: 91700							
Prep Date: 10/10/2022	Analysis Date: 10/11/2022	SeqNo: 3288669	Units: %Rec						
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD RPDLimit	Qual					
Surr: DNOP	9.9 10.00	98.8 21	129						
Sample ID: LCS-70748	SampType: LCS	TestCode: EPA Method	8015M/D: Diesel Range Organics						
Client ID: LCSS	Batch ID: 70748	RunNo: 91700							
Prep Date: 10/11/2022	Analysis Date: 10/13/2022	SeqNo: 3291224	Units: mg/Kg						
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD RPDLimit	Qual					
Diesel Range Organics (DRO)	38 15 50.00	0 75.3 46.9	103						
Surr: DNOP	4.0 5.000	80.2 21	129						
Sample ID: MB-70748	SampType: MBLK	TestCode: EPA Method	8015M/D: Diesel Range Organics						
Client ID: PBS	Batch ID: 70748	RunNo: 91700							
Prep Date: 10/11/2022	Analysis Date: 10/13/2022	SeqNo: 3291225	Units: mg/Kg						
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD RPDLimit	Qual					
Diesel Range Organics (DRO)	ND 15								

Qualifiers:

* Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank

E Estimated value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

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Hall Environmental Analysis Laboratory, Inc.

Client: Vertex Project: Papas F	Resources S Fritas	ervices	, Inc.							
Sample ID: MB-70748	SampT	ype: ME	BLK	Tes	tCode: El	PA Method	8015M/D: Di	esel Rang	e Organics	
Client ID: PBS	Batch	n ID: 70	748	F	RunNo: 9	1700				
Prep Date: 10/11/2022	Analysis D	ate: 10	0/13/2022	SeqNo: 3291225			Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Notor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	9.9		10.00		98.5	21	129			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

	Resources Services, Inc.			
Project: Papas Fr	ritas			
Sample ID: mb-70714	SampType: MBLK	TestCode: EPA Method	8015D: Gasoline Range	
Client ID: PBS	Batch ID: 70714	RunNo: 91687		
Prep Date: 10/10/2022	Analysis Date: 10/11/2022	SeqNo: 3286403	Units: mg/Kg	
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD RI	PDLimit Qual
Gasoline Range Organics (GRO) Surr: BFB	ND 5.0 860 1000	86.4 37.7	212	
Sample ID: Ics-70714	SampType: LCS	TestCode: EPA Method	8015D: Gasoline Range	
Client ID: LCSS	Batch ID: 70714	RunNo: 91687		
Prep Date: 10/10/2022	Analysis Date: 10/11/2022	SeqNo: 3286404	Units: mg/Kg	
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD RI	PDLimit Qual
Gasoline Range Organics (GRO)	22 5.0 25.00	0 86.7 72.3	137	
Surr: BFB	1700 1000	173 37.7	212	
Sample ID: mb-70712	SampType: MBLK	TestCode: EPA Method	8015D: Gasoline Range	
Client ID: PBS	Batch ID: 70712	RunNo: 91687		
Prep Date: 10/10/2022	Analysis Date: 10/11/2022	SeqNo: 3286419	Units: %Rec	
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD RI	PDLimit Qual
Surr: BFB	870 1000	87.2 37.7	212	
Sample ID: Ics-70712	SampType: LCS	TestCode: EPA Method	8015D: Gasoline Range	
Client ID: LCSS	Batch ID: 70712	RunNo: 91687		
Prep Date: 10/10/2022	Analysis Date: 10/11/2022	SeqNo: 3286420	Units: %Rec	
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD RI	PDLimit Qual
Surr: BFB	1800 1000	178 37.7	212	
Sample ID: mb-70734	SampType: MBLK	TestCode: EPA Method	8015D: Gasoline Range	
Client ID: PBS	Batch ID: 70734	RunNo: 91747		
Prep Date: 10/11/2022	Analysis Date: 10/12/2022	SeqNo: 3289015	Units: mg/Kg	
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD RI	PDLimit Qual
Gasoline Range Organics (GRO)				
Surr: BFB	ND 5.0 880 1000	87.7 37.7	212	
Surr: BFB Sample ID: Ics-70734			212 8015D: Gasoline Range	
	880 1000			
Sample ID: Ics-70734	880 1000 SampType: LCS	TestCode: EPA Method		
Sample ID: Ics-70734 Client ID: LCSS	880 1000 SampType: LCS Batch ID: 70734 Analysis Date: 10/12/2022	TestCode: EPA Method RunNo: 91747	8015D: Gasoline Range Units: mg/Kg	PDLimit Qual
Sample ID: Ics-70734 Client ID: LCSS Prep Date: 10/11/2022	880 1000 SampType: LCS Batch ID: 70734 Analysis Date: 10/12/2022	TestCode: EPA Method RunNo: 91747 SeqNo: 3289016	8015D: Gasoline Range Units: mg/Kg	² DLimit Qual

Qualifiers:

* Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank

E Estimated value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

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19-Oct-22

Client: Vertex Project: Papas I	Resources Services, Inc. Fritas					
Sample ID: mb-70714	SampType: MBLK	Tes	tCode: EPA Method	8021B: Volatiles		
Client ID: PBS	Batch ID: 70714	F	RunNo: 91687			
Prep Date: 10/10/2022	Analysis Date: 10/11/202	2 2 5	SeqNo: 3286448	Units: mg/Kg		
Analyte	Result PQL SPK v	alue SPK Ref Val	%REC LowLimit	HighLimit %RPD	RPDLimit	Qual
Benzene	ND 0.025					
Toluene	ND 0.050					
Ethylbenzene	ND 0.050					
Xylenes, Total	ND 0.10					
Surr: 4-Bromofluorobenzene	0.92 1	.000	92.1 70	130		
Sample ID: LCS-70714	SampType: LCS	Tes	tCode: EPA Method	8021B: Volatiles		
Client ID: LCSS	Batch ID: 70714	F	RunNo: 91687			
Prep Date: 10/10/2022	Analysis Date: 10/11/202	22 5	SeqNo: 3286449	Units: mg/Kg		
Analyte	Result PQL SPK v	alue SPK Ref Val	%REC LowLimit	HighLimit %RPD	RPDLimit	Qual
Benzene		.000 0	88.7 80	120		
Toluene	0.90 0.050 1	.000 0	89.6 80	120		
Ethylbenzene	0.91 0.050 1	.000 0	90.5 80	120		
Xylenes, Total	2.7 0.10 3	.000 0	90.3 80	120		
Surr: 4-Bromofluorobenzene	0.94 1	.000	93.9 70	130		
Sample ID: mb-70712	SampType: MBLK	Tes	tCode: EPA Method	8021B: Volatiles		
Client ID: PBS	Batch ID: 70712	F	RunNo: 91687			
Prep Date: 10/10/2022	Analysis Date: 10/11/202	22 5	SeqNo: 3286464	Units: %Rec		
Analyte	Result PQL SPK v	alue SPK Ref Val	%REC LowLimit	HighLimit %RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	0.93 1	.000	93.0 70	130		
Sample ID: LCS-70712	SampType: LCS	Tes	tCode: EPA Method	8021B: Volatiles		
Client ID: LCSS	Batch ID: 70712	F	RunNo: 91687			
Prep Date: 10/10/2022	Analysis Date: 10/11/202	22 5	SeqNo: 3286465	Units: %Rec		
Analyte	Result PQL SPK v	alue SPK Ref Val	%REC LowLimit	HighLimit %RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene		.000	95.1 70	130	* *	
Sample ID: mb-70734		Tes	tCode: EPA Method	8021B: Volatiles		
	SampType: MBLK					
•	SampType: MBLK Batch ID: 70734					
Client ID: PBS	Batch ID: 70734	F	RunNo: 91747	Units: ma/Ka		
Client ID: PBS Prep Date: 10/11/2022	Batch ID: 70734 Analysis Date: 10/12/202	F 22 S	RunNo: 91747 SeqNo: 3289053	Units: mg/Kg Highl imit %RPD		Qual
Client ID: PBS Prep Date: 10/11/2022 Analyte	Batch ID: 70734 Analysis Date: 10/12/202 Result PQL SPK v	F	RunNo: 91747 SeqNo: 3289053		RPDLimit	Qual
Client ID: PBS Prep Date: 10/11/2022 Analyte Benzene	Batch ID: 70734 Analysis Date: 10/12/202 Result PQL SPK v ND 0.025	F 22 S	RunNo: 91747 SeqNo: 3289053		RPDLimit	Qual
Client ID: PBS Prep Date: 10/11/2022 Analyte	Batch ID: 70734 Analysis Date: 10/12/202 Result PQL SPK v	F 22 S	RunNo: 91747 SeqNo: 3289053		RPDLimit	Qual

Qualifiers:

* Value exceeds Maximum Contaminant Level.

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- B Analyte detected in the associated Method Blank

E Estimated value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

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19-Oct-22

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

Project: Pap	rtex Resources pas Fritas	Services	, Inc.							
Sample ID: mb-70734	Samp	Type: ME	BLK	Tes	tCode: EF	PA Method	8021B: Volat	iles		
Client ID: PBS	Bate	ch ID: 70	734	R	RunNo: 9 1	1747				
Prep Date: 10/11/202	2 Analysis	Date: 10)/12/2022	S	SeqNo: 32	289053	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzen	e 0.96		1.000		95.7	70	130			
Sample ID: LCS-70734	Samp	Type: LC	S	Tes	tCode: EF	PA Method	8021B: Volat	iles		
Client ID: LCSS	Bate	ch ID: 70	734	R	RunNo: 9 1	1747				
Prep Date: 10/11/202	2 Analysis	Date: 10)/12/2022	S	SeqNo: 32	289054	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.96	0.025	1.000	0	96.5	80	120			
Toluene	0.96	0.050	1.000	0	96.5	80	120			
Ethylbenzene	0.96	0.050	1.000	0	96.3	80	120			
Kylenes, Total	2.9	0.10	3.000	0	95.8	80	120			
Surr: 4-Bromofluorobenzen	e 0.95		1.000		95.1	70	130			
Sample ID: 2210428-00)5ams Samp	SampType: MS TestCode: EPA Method 8021B: Volatiles								
Client ID: BES22-68 2	2' Bate	ch ID: 70	734	R	RunNo: 91	1747				
Prep Date: 10/11/202		Data: 44	1/12/2022	, c		280062	Units: mg/K	·		
	2 Analysis	Date: 10	// 1 <i>L</i> / <i>L</i> 0 <i>L</i> L		SeqNo: 32	209002	ormo: mg/n	g		
Analyte	2 Analysis Result	PQL		SPK Ref Val	%REC	LowLimit	HighLimit	• 9 %RPD	RPDLimit	Qual
Analyte							Ŭ	0	RPDLimit	Qual
Analyte Benzene	Result	PQL	SPK value	SPK Ref Val	· %REC	LowLimit	HighLimit	0	RPDLimit	Qual
Analyte Benzene Toluene	Result 1.0	PQL 0.023	SPK value 0.9355	SPK Ref Val 0	%REC 107	LowLimit 68.8	HighLimit 120	0	RPDLimit	Qual
Analyte Benzene Foluene Ethylbenzene	Result 1.0 1.0	PQL 0.023 0.047	SPK value 0.9355 0.9355	SPK Ref Val 0 0	%REC 107 107	LowLimit 68.8 73.6	HighLimit 120 124	0	RPDLimit	Qual
Analyte Benzene Toluene Ethylbenzene	Result 1.0 1.0 1.0 3.0	PQL 0.023 0.047 0.047	SPK value 0.9355 0.9355 0.9355	SPK Ref Val 0 0 0	%REC 107 107 109	LowLimit 68.8 73.6 72.7	HighLimit 120 124 129	0	RPDLimit	Qual
Analyte Benzene Toluene Ethylbenzene Xylenes, Total	Result 1.0 1.0 1.0 3.0 e 0.90	PQL 0.023 0.047 0.047	SPK value 0.9355 0.9355 0.9355 2.806 0.9355	SPK Ref Val 0 0 0.01816	%REC 107 107 109 107 95.9	LowLimit 68.8 73.6 72.7 75.7 70	HighLimit 120 124 129 126	%RPD	RPDLimit	Qual
Analyte Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Bromofluorobenzene	Result 1.0 1.0 1.0 3.0 e 0.90 D5amsd Samp	PQL 0.023 0.047 0.047 0.094	SPK value 0.9355 0.9355 2.806 0.9355	SPK Ref Val 0 0 0.01816 Test	%REC 107 107 109 107 95.9	LowLimit 68.8 73.6 72.7 75.7 70 PA Method	HighLimit 120 124 129 126 130	%RPD	RPDLimit	Qual
Analyte Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Bromofluorobenzene Sample ID: 2210428-00	Result 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 3.0 e 0.90 D5amsd Samp 2' Bate	PQL 0.023 0.047 0.047 0.094	SPK value 0.9355 0.9355 2.806 0.9355	SPK Ref Val 0 0 0.01816 Test R	%REC 107 107 109 107 95.9	LowLimit 68.8 73.6 72.7 75.7 70 PA Method 1747	HighLimit 120 124 129 126 130	%RPD	RPDLimit	Qual
Analyte Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Bromofluorobenzene Sample ID: 2210428-00 Client ID: BES22-68 2	Result 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 3.0 e 0.90 D5amsd Samp 2' Bate	PQL 0.023 0.047 0.047 0.094	SPK value 0.9355 0.9355 2.806 0.9355 5D 734	SPK Ref Val 0 0 0.01816 Test R	%REC 107 107 109 107 95.9 tCode: EF	LowLimit 68.8 73.6 72.7 75.7 70 PA Method 1747	HighLimit 120 124 129 126 130 8021B: Volat	%RPD	RPDLimit	Qual
Analyte Benzene Foluene Ethylbenzene Kylenes, Total Surr: 4-Bromofluorobenzene Sample ID: 2210428-00 Client ID: BES22-68 2 Prep Date: 10/11/2022 Analyte	Result 1.0 1.0 1.0 1.0 2 Analysis	PQL 0.023 0.047 0.094 Type: MS ch ID: 70 Date: 10	SPK value 0.9355 0.9355 2.806 0.9355 5D 734	SPK Ref Val 0 0 0.01816 Tesi R S	%REC 107 107 109 107 95.9 tCode: EF RunNo: 9' SeqNo: 32	LowLimit 68.8 73.6 72.7 75.7 70 PA Method 1747 289063	HighLimit 120 124 129 126 130 8021B: Volat Units: mg/K	%RPD		
Analyte Benzene Toluene Ethylbenzene Kylenes, Total Surr: 4-Bromofluorobenzene Sample ID: 2210428-00 Client ID: BES22-68 2 Prep Date: 10/11/2022	Result 1.0 1.0 1.0 1.0 3.0 e 0.90 D5amsd Samp 2' Bate 2 Analysis Result	PQL 0.023 0.047 0.094 Type: MS ch ID: 70 Date: 10 PQL	SPK value 0.9355 0.9355 2.806 0.9355 5D 734 0/12/2022 SPK value	SPK Ref Val 0 0 0.01816 Test R SPK Ref Val	%REC 107 107 109 107 95.9 tCode: EF RunNo: 9' SeqNo: 32 %REC	LowLimit 68.8 73.6 72.7 75.7 70 PA Method 1747 289063 LowLimit	HighLimit 120 124 129 126 130 8021B: Volat Units: mg/K HighLimit	illes %RPD	RPDLimit	
Analyte Benzene Foluene Ethylbenzene Kylenes, Total Surr: 4-Bromofluorobenzend Sample ID: 2210428-00 Client ID: BES22-68 2 Prep Date: 10/11/2022 Analyte Benzene	Result 1.0 1.0 1.0 1.0 3.0 e 0.90 D5amsd Samp 2' Bate 2 Analysis Result 1.0	PQL 0.023 0.047 0.094 Type: MS ch ID: 70 Date: 10 PQL 0.024	SPK value 0.9355 0.9355 2.806 0.9355 5D 734 0/12/2022 SPK value 0.9434	SPK Ref Val 0 0 0.01816 Test R SPK Ref Val 0	%REC 107 107 109 107 95.9 tCode: EF RunNo: 9' SeqNo: 32 %REC 108	LowLimit 68.8 73.6 72.7 75.7 70 PA Method 1747 289063 LowLimit 68.8	HighLimit 120 124 129 126 130 8021B: Volat Units: mg/K HighLimit 120	%RPD iiles 59 2.01	RPDLimit 20	
Analyte Benzene Toluene Ethylbenzene Kylenes, Total Surr: 4-Bromofluorobenzend Sample ID: 2210428-00 Client ID: BES22-68 2 Prep Date: 10/11/2022 Analyte Benzene Toluene	Result 1.0 1.0 1.0 1.0 3.0 e 0.90 D5amsd Samp 2' Bate 2 Analysis Result 1.0 1.0 1.0	PQL 0.023 0.047 0.094 Type: MS ch ID: 70 Date: 10 PQL 0.024 0.047	SPK value 0.9355 0.9355 2.806 0.9355 2.806 0.9355 734 734 734 734 734 734 734 734 734 734	SPK Ref Val 0 0 0.01816 Test SPK Ref Val 0 0 0	%REC 107 107 109 107 95.9 tCode: EF RunNo: 9' SeqNo: 32 %REC 108 109	LowLimit 68.8 73.6 72.7 75.7 70 PA Method 1747 289063 LowLimit 68.8 73.6	HighLimit 120 124 129 126 130 8021B: Volat Units: mg/K HighLimit 120 124	%RPD illes 5g %RPD 2.01 2.30	RPDLimit 20 20	

Qualifiers:

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

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

S % Recovery outside of range due to dilution or matrix interference

B Analyte detected in the associated Method Blank

E Estimated value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

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19-Oct-22

	2/2022 2:0 RONMENT YSIS RATORY			EL: 505-345-	ental Analysis La 4901 Ha Albuquerque, N 3975 FAX: 505 w.hallenvironme	wkins NE VM 87109 345-4107	Sar	mple Log-In Check Li	ge I st
Client Name:	Vertex Res Services, I		Wor	k Order Nun	nber: 2210428			RcptNo: 1	
Received By:	Cheyenn	e Cason	10/8/2	022 8:30:00	АМ	ch	al d		
Completed By:	Cheyenn	e Cason	10/8/20	022 9:16:21	AM	ch	1		
Reviewed By:	20	>	10/8						
Chain of Cus	tody								
1. Is Chain of C	ustody comp	olete?			Yes 🔽	N	lo 🗌	Not Present	
2. How was the	sample deliv	vered?			<u>Courier</u>				
Log In									
3. Was an atten	npt made to	cool the sam	ples?		Yes 🔽	N	o 🗆		
4. Were all sam	oles received	l at a temper	ature of >0° C	to 6.0°C	Yes 🗹	N	o 🗌		
5. Sample(s) in	proper conta	iner(s)?			Yes 🔽	N	o 🗌		
6. Sufficient sam	ple volume f	for indicated t	test(s)?		Yes 🔽	N	•		
7. Are samples (except VOA	and ONG) pr	operly preserv	ed?	Yes 🗹	N	o □		
8. Was preserva	tive added to	bottles?			Yes 🗌	N		NA 🗌	
9. Received at le	ast 1 vial wit	h headspace	<1/4" for AQ \	VOA?	Yes 🗌	No	b	NA 🗹	
10. Were any san	nple containe	ers received l	oroken?		Yes 🗆	N	• 🔽	# of preserved	/
11. Does paperwo (Note discrepa			/)		Yes 🗹	No	• 🗆	bottles checked for pH: (<2 or >12 unless no	oted
12. Are matrices of	orrectly iden	tified on Cha	in of Custody?		Yes 🔽	No		Adjusted?	
13. Is it clear what			1?		Yes 🔽	No		/	
14. Were all holdin (If no, notify cu)		Yes 🗹	No		Checked by: CMC 10	81
Special Handl	ing (if app	olicable)							
15. Was client no	tified of all d	screpancies	with this order	?	Yes 🗌	N	•	NA 🗹	
Person	Notified:			Date	:		_		
By Who	m:	1		Via:	eMail] Phone [Fax	In Person	
Regardi	13 J								
0.5 0.5	structions:								
16. Additional rer	narks:								
17. Cooler Inform			10000000						
Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed	By		
1	4.9	Good	Not Present						

.

Page 1 of 1

Chain-of-Custody Record	ody Record	Turn-Around T	Time:							eive
Client: Vertex (Deran)		Standard	Rush_	h 5 Daul		ANAL	I VS	IVIR	HALL ENVIRONMENTAL	
		Project Name:		ſ					ENDOR!	
Mailing Address: on file			Fritas		4901 F	www. ławkins NI	⊟ - Albu	www.naiienvironmentai.com ins NE - Albuquerque, NM 8	www.naiienvironmentai.com 4901 Hawkins NE - Albuquerque, NM 87109	: 12/2
		Project #:			Tel. 5	505-345-3975	75 Fax	x 505-34	505-345-4107	(/202
Phone #:		22E	- 01417	1			Anal	is Request	st	
email or Fax#:		Project Manager:	iger:		100 C		¢C		(1)	
QA/QC Package:	Level 4 (Full Validation)	Kent	Stating	r al	ьсв, ^а 0 / WK(8051	SWIS	PO₄, S(nəsdAt	<u>05 PM</u> .
Accreditation:	ance	Sampler:	HELCON.		שם	-	' ⁷ C			
DINELAC DITHER			La Yes	ON []	10	8 JO	-	_	21	
(be)		ler			ЯЭ	01	-	-	1) 11	
		Cooler Temp(including CF): 4	including CF): 4	.a.024.9 (°C))ası	£8 Y	r, N	-imə		_
Date Time Matrix Sar	Sample Name	Container Type and #	Preservative Type	HEAL No.	-	M) 803 d sHAc	and the second second	V) 0928		
10-6-22 9:40 Soil Ban	Bars 1245 8 1522-6 12		ice	col) -	1		3		
1 7:50 1 8	B'ES22-62 2'	1.1	-	202						
10:09 81	BES21-65 2'			c03						
10:05 81	BES22-67 2'			hao			-			
_	68			co5						
11:45 8	BES22-90 4'			006						
11/55 B	15			607						
12:00 1 13	96			008						
12:50 81	BES22-102 4			co9						
	BES22-104 2'			010						
13:05 81	BE522-106 2'			110						
13:15 V	BES22-108 4'	->	N	210			-			
Date: Time: Relinquished by: D-6 5pm gach ling	yuc	Received by:	Via: "	Date Time 10/1/72 102/0	Remarks:					C
Date: Time: Relinquished by:		Received by:	Via:	F	20	209 76741	4			10
Thr POU GALLIN	(V V V V V	Cine Ci		the mary						5-)

Hall Environmental Analysis Laboratory

TEL: 505-345-3975 FAX: 505-345-4107

Website: www.hallenvironmental.com

4901 Hawkins NE

Albuquerque, NM 87109



October 21, 2022

Kent Stallings Vertex Resources Services, Inc. 3101 Boyd Drive Carlsbad, NM 88220 TEL: (505) 506-0040 FAX

OrderNo.: 2210467

RE: Papas Fritas 27 CTB 1

Dear Kent Stallings:

Hall Environmental Analysis Laboratory received 9 sample(s) on 10/11/2022 for the analyses presented in the following report.

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

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

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

Sincerely,

andy

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

CLIENT: Vertex Resources Services, Inc.

Papas Fritas 27 CTB 1

Analytical Report
Lab Order 2210467

Date Reported: 10/21/2022

Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: WES22-01 0-2' Collection Date: 10/7/2022 9:45:00 AM Received Date: 10/11/2022 7:25:00 AM

Lab ID: 2210467-001	Matrix: SOIL	Recei	ved Date:	10/11/	2022 7:25:00 AM
Analyses	Result	RL Qua	l Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst: DGH
Diesel Range Organics (DRO)	ND	13	mg/Kg	1	10/13/2022 7:07:55 AM
Motor Oil Range Organics (MRO)	ND	45	mg/Kg	1	10/13/2022 7:07:55 AM
Surr: DNOP	95.2	21-129	%Rec	1	10/13/2022 7:07:55 AM
EPA METHOD 8015D: GASOLINE RANGE	E				Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	10/12/2022 9:45:45 PM
Surr: BFB	82.8	37.7-212	%Rec	1	10/12/2022 9:45:45 PM
EPA METHOD 8021B: VOLATILES					Analyst: NSB
Benzene	ND	0.024	mg/Kg	1	10/12/2022 9:45:45 PM
Toluene	ND	0.048	mg/Kg	1	10/12/2022 9:45:45 PM
Ethylbenzene	ND	0.048	mg/Kg	1	10/12/2022 9:45:45 PM
Xylenes, Total	ND	0.095	mg/Kg	1	10/12/2022 9:45:45 PM
Surr: 4-Bromofluorobenzene	91.1	70-130	%Rec	1	10/12/2022 9:45:45 PM
EPA METHOD 300.0: ANIONS					Analyst: JTT
Chloride	ND	60	mg/Kg	20	10/14/2022 9:55:49 PM

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

Qualifiers:

- Value exceeds Maximum Contaminant Level.
 D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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CLIENT: Vertex Resources Services, Inc.

Papas Fritas 27 CTB 1

Analytical Report
Lab Order 2210467

Date Reported: 10/21/2022

Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: WES22-02 0-2' Collection Date: 10/7/2022 9:50:00 AM Received Date: 10/11/2022 7:25:00 AM

Lab ID: 2210467-002	Matrix: SOIL	Recei	ved Date:	10/11/	2022 7:25:00 AM
Analyses	Result	RL Qua	l Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst: DGH
Diesel Range Organics (DRO)	ND	15	mg/Kg	1	10/13/2022 7:18:25 AM
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	10/13/2022 7:18:25 AM
Surr: DNOP	81.3	21-129	%Rec	1	10/13/2022 7:18:25 AM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	10/12/2022 10:09:19 PM
Surr: BFB	84.9	37.7-212	%Rec	1	10/12/2022 10:09:19 PM
EPA METHOD 8021B: VOLATILES					Analyst: NSB
Benzene	ND	0.024	mg/Kg	1	10/12/2022 10:09:19 PM
Toluene	ND	0.048	mg/Kg	1	10/12/2022 10:09:19 PM
Ethylbenzene	ND	0.048	mg/Kg	1	10/12/2022 10:09:19 PM
Xylenes, Total	ND	0.097	mg/Kg	1	10/12/2022 10:09:19 PM
Surr: 4-Bromofluorobenzene	92.0	70-130	%Rec	1	10/12/2022 10:09:19 PM
EPA METHOD 300.0: ANIONS					Analyst: JTT
Chloride	ND	59	mg/Kg	20	10/14/2022 10:08:14 PM

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

Qualifiers:

- Value exceeds Maximum Contaminant Level.
 D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Lab ID:

Analyses

Surr: DNOP

Surr: BFB

Benzene

Toluene

Chloride

Ethylbenzene

Xylenes, Total

EPA METHOD 8021B: VOLATILES

Surr: 4-Bromofluorobenzene

EPA METHOD 300.0: ANIONS

Analytical Report Lab Order 2210467

Date Reported: 10/21/2022

10/12/2022 10:32:54 PM

10/14/2022 10:20:38 PM

Analyst: JTT

Analyst: NSB

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: WES22-12 0-4' Papas Fritas 27 CTB 1 Collection Date: 10/7/2022 10:05:00 AM 2210467-003 Matrix: SOIL Received Date: 10/11/2022 7:25:00 AM Result **RL** Qual Units DF **Date Analyzed EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** Analyst: DGH **Diesel Range Organics (DRO)** ND 13 mg/Kg 1 10/13/2022 7:28:56 AM Motor Oil Range Organics (MRO) ND 42 mg/Kg 1 10/13/2022 7:28:56 AM 92.7 21-129 %Rec 1 10/13/2022 7:28:56 AM **EPA METHOD 8015D: GASOLINE RANGE** Analyst: NSB Gasoline Range Organics (GRO) ND 10/12/2022 10:32:54 PM 4.8 mg/Kg 1

37.7-212

0.024

0.048

0.048

0.095

70-130

60

%Rec

mg/Kg

mg/Kg

mg/Kg

mg/Kg

%Rec

ma/Ka

1

1

1

1

1

1

20

82.4

ND

ND

ND

ND

90.8

ND

Refer to the QC Sun	mary report and	sample login check	list for flagged QC dat	a and preservation information.

Qualifiers:

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

- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- Analyte detected in the associated Method Blank в
- Е Estimated value
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

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CLIENT: Vertex Resources Services, Inc.

Papas Fritas 27 CTB 1

Analytical Report
Lab Order 2210467

Date Reported: 10/21/2022

Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: WES22-17 0-2' Collection Date: 10/7/2022 10:15:00 AM Received Date: 10/11/2022 7:25:00 AM

Lab ID: 2210467-004	Matrix: SOIL	Rece	eived Date:	10/11/	2022 7:25:00 AM
Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANG	GE ORGANICS				Analyst: DGH
Diesel Range Organics (DRO)	ND	13	mg/Kg	1	10/13/2022 7:39:27 AM
Motor Oil Range Organics (MRO)	ND	45	mg/Kg	1	10/13/2022 7:39:27 AM
Surr: DNOP	55.3	21-129	%Rec	1	10/13/2022 7:39:27 AM
EPA METHOD 8015D: GASOLINE RAN	IGE				Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	10/12/2022 10:56:29 PM
Surr: BFB	85.2	37.7-212	%Rec	1	10/12/2022 10:56:29 PM
EPA METHOD 8021B: VOLATILES					Analyst: NSB
Benzene	ND	0.024	mg/Kg	1	10/12/2022 10:56:29 PM
Toluene	ND	0.048	mg/Kg	1	10/12/2022 10:56:29 PM
Ethylbenzene	ND	0.048	mg/Kg	1	10/12/2022 10:56:29 PM
Xylenes, Total	ND	0.097	mg/Kg	1	10/12/2022 10:56:29 PM
Surr: 4-Bromofluorobenzene	92.9	70-130	%Rec	1	10/12/2022 10:56:29 PM
EPA METHOD 300.0: ANIONS					Analyst: JTT
Chloride	350	60	mg/Kg	20	10/14/2022 10:33:02 PM

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

Qualifiers:

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

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

S % Recovery outside of range due to dilution or matrix interference

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

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EPA METHOD 300.0: ANIONS

Chloride

Analytical Report
Lab Order 2210467

Date Reported: 10/21/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: WES22-20 0-2' **Project:** Papas Fritas 27 CTB 1 Collection Date: 10/7/2022 10:20:00 AM Lab ID: 2210467-005 Matrix: SOIL Received Date: 10/11/2022 7:25:00 AM Result **RL** Qual Units DF **Date Analyzed** Analyses **EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** Analyst: DGH Diesel Range Organics (DRO) ND 13 mg/Kg 1 10/13/2022 7:49:59 AM Motor Oil Range Organics (MRO) ND 45 mg/Kg 1 10/13/2022 7:49:59 AM 21-129 Surr: DNOP 82.9 %Rec 1 10/13/2022 7:49:59 AM **EPA METHOD 8015D: GASOLINE RANGE** Analyst: NSB Gasoline Range Organics (GRO) ND 10/12/2022 11:20:02 PM 4.6 mg/Kg 1 Surr: BFB 84.9 37.7-212 %Rec 1 10/12/2022 11:20:02 PM **EPA METHOD 8021B: VOLATILES** Analyst: NSB Benzene ND 0.023 mg/Kg 10/12/2022 11:20:02 PM 1 Toluene ND 0.046 mg/Kg 1 10/12/2022 11:20:02 PM Ethylbenzene ND 0.046 mg/Kg 1 10/12/2022 11:20:02 PM Xylenes, Total ND 0.093 mg/Kg 1 10/12/2022 11:20:02 PM Surr: 4-Bromofluorobenzene 92.9 70-130 %Rec 1 10/12/2022 11:20:02 PM

330

60

ma/Ka

20

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

Qualifiers:

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

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Analyst: JTT

10/14/2022 10:45:26 PM

CLIENT: Vertex Resources Services, Inc.

Papas Fritas 27 CTB 1

Analytical Report
Lab Order 2210467

Date Reported: 10/21/2022

Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: WES22-21 0-2' Collection Date: 10/7/2022 10:25:00 AM Received Date: 10/11/2022 7:25:00 AM

Lab ID: 2210467-006	Matrix: SOIL	Recei	ved Date:	10/11/	2022 7:25:00 AM
Analyses	Result	RL Qua	l Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE (ORGANICS				Analyst: SB
Diesel Range Organics (DRO)	ND	15	mg/Kg	1	10/14/2022 11:59:32 AM
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	10/14/2022 11:59:32 AM
Surr: DNOP	117	21-129	%Rec	1	10/14/2022 11:59:32 AM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: BRM
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	10/12/2022 12:06:00 PM
Surr: BFB	95.7	37.7-212	%Rec	1	10/12/2022 12:06:00 PM
EPA METHOD 8021B: VOLATILES					Analyst: BRM
Benzene	ND	0.025	mg/Kg	1	10/12/2022 12:06:00 PM
Toluene	ND	0.050	mg/Kg	1	10/12/2022 12:06:00 PM
Ethylbenzene	ND	0.050	mg/Kg	1	10/12/2022 12:06:00 PM
Xylenes, Total	ND	0.10	mg/Kg	1	10/12/2022 12:06:00 PM
Surr: 4-Bromofluorobenzene	96.1	70-130	%Rec	1	10/12/2022 12:06:00 PM
EPA METHOD 300.0: ANIONS					Analyst: JTT
Chloride	330	60	mg/Kg	20	10/14/2022 10:57:51 PM

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

Qualifiers:

- Value exceeds Maximum Contaminant Level.
 D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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CLIENT: Vertex Resources Services, Inc.

Papas Fritas 27 CTB 1

Analytical Report
Lab Order 2210467

Date Reported: 10/21/2022

Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: WES22-30 0-2' Collection Date: 10/7/2022 10:35:00 AM Received Date: 10/11/2022 7:25:00 AM

Lab ID: 2210467-007	Matrix: SOIL	Recei	ved Date:	10/11/	2022 7:25:00 AM
Analyses	Result	RL Qua	l Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst: SB
Diesel Range Organics (DRO)	ND	14	mg/Kg	1	10/14/2022 1:10:35 PM
Motor Oil Range Organics (MRO)	ND	46	mg/Kg	1	10/14/2022 1:10:35 PM
Surr: DNOP	97.2	21-129	%Rec	1	10/14/2022 1:10:35 PM
EPA METHOD 8015D: GASOLINE RANGE	E				Analyst: BRM
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	10/12/2022 1:05:00 PM
Surr: BFB	94.8	37.7-212	%Rec	1	10/12/2022 1:05:00 PM
EPA METHOD 8021B: VOLATILES					Analyst: BRM
Benzene	ND	0.024	mg/Kg	1	10/12/2022 1:05:00 PM
Toluene	ND	0.047	mg/Kg	1	10/12/2022 1:05:00 PM
Ethylbenzene	ND	0.047	mg/Kg	1	10/12/2022 1:05:00 PM
Xylenes, Total	ND	0.095	mg/Kg	1	10/12/2022 1:05:00 PM
Surr: 4-Bromofluorobenzene	94.4	70-130	%Rec	1	10/12/2022 1:05:00 PM
EPA METHOD 300.0: ANIONS					Analyst: JTT
Chloride	110	59	mg/Kg	20	10/14/2022 11:10:16 PM

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

Qualifiers:

- Value exceeds Maximum Contaminant Level.
 D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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CLIENT: Vertex Resources Services, Inc.

Papas Fritas 27 CTB 1

Analytical Report
Lab Order 2210467

Date Reported: 10/21/2022

Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: WES22-34 0-2' Collection Date: 10/7/2022 10:50:00 AM Received Date: 10/11/2022 7:25:00 AM

Lab ID: 2210467-008	Matrix: SOIL	Recei	ived Date:	10/11/	2022 7:25:00 AM
Analyses	Result	RL Qua	l Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst: SB
Diesel Range Organics (DRO)	ND	14	mg/Kg	1	10/14/2022 1:34:13 PM
Motor Oil Range Organics (MRO)	ND	46	mg/Kg	1	10/14/2022 1:34:13 PM
Surr: DNOP	98.0	21-129	%Rec	1	10/14/2022 1:34:13 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: BRM
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	10/12/2022 2:24:00 PM
Surr: BFB	96.8	37.7-212	%Rec	1	10/12/2022 2:24:00 PM
EPA METHOD 8021B: VOLATILES					Analyst: BRM
Benzene	ND	0.024	mg/Kg	1	10/12/2022 2:24:00 PM
Toluene	ND	0.048	mg/Kg	1	10/12/2022 2:24:00 PM
Ethylbenzene	ND	0.048	mg/Kg	1	10/12/2022 2:24:00 PM
Xylenes, Total	ND	0.096	mg/Kg	1	10/12/2022 2:24:00 PM
Surr: 4-Bromofluorobenzene	93.7	70-130	%Rec	1	10/12/2022 2:24:00 PM
EPA METHOD 300.0: ANIONS					Analyst: JTT
Chloride	ND	60	mg/Kg	20	10/17/2022 11:18:00 AM

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

Qualifiers:

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

- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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CLIENT: Vertex Resources Services, Inc.

Papas Fritas 27 CTB 1

Analytical Report
Lab Order 2210467

Date Reported: 10/21/2022

Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: WES22-35 0-4' Collection Date: 10/7/2022 11:00:00 AM Received Date: 10/11/2022 7:25:00 AM

Lab ID: 2210467-009	Matrix: SOIL	Recei	ved Date:	10/11/	2022 7:25:00 AM
Analyses	Result	RL Qua	l Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst: SB
Diesel Range Organics (DRO)	ND	13	mg/Kg	1	10/14/2022 1:57:53 PM
Motor Oil Range Organics (MRO)	ND	43	mg/Kg	1	10/14/2022 1:57:53 PM
Surr: DNOP	122	21-129	%Rec	1	10/14/2022 1:57:53 PM
EPA METHOD 8015D: GASOLINE RANGE	E				Analyst: BRM
Gasoline Range Organics (GRO)	ND	4.6	mg/Kg	1	10/12/2022 2:43:00 PM
Surr: BFB	92.5	37.7-212	%Rec	1	10/12/2022 2:43:00 PM
EPA METHOD 8021B: VOLATILES					Analyst: BRM
Benzene	ND	0.023	mg/Kg	1	10/12/2022 2:43:00 PM
Toluene	ND	0.046	mg/Kg	1	10/12/2022 2:43:00 PM
Ethylbenzene	ND	0.046	mg/Kg	1	10/12/2022 2:43:00 PM
Xylenes, Total	ND	0.092	mg/Kg	1	10/12/2022 2:43:00 PM
Surr: 4-Bromofluorobenzene	93.3	70-130	%Rec	1	10/12/2022 2:43:00 PM
EPA METHOD 300.0: ANIONS					Analyst: JTT
Chloride	300	60	mg/Kg	20	10/17/2022 11:30:20 AM

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

Qualifiers:

- Value exceeds Maximum Contaminant Level.
 D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Client: Project:		Resources Se Fritas 27 CTB		, Inc.							
Sample ID:	MB-70846	SampTy	/pe: ME	BLK	Tes	tCode: EP	A Method	300.0: Anion	S		
Client ID:	PBS	Batch	ID: 70	846	F	RunNo: 91	834				
Prep Date:	10/14/2022	Analysis Da	ate: 10)/14/2022	5	SeqNo: 32	93127	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride		ND	1.5								
Sample ID:	LCS-70846	SampTy	/pe: LC	S	Tes	tCode: EP	A Method	300.0: Anion	S		
Client ID:	LCSS	Batch	ID: 70	846	F	RunNo: 91	834				
Prep Date:	10/14/2022	Analysis Da	ate: 10	0/14/2022	S	SeqNo: 32	93128	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride		14	1.5	15.00	0	96.1	90	110			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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2210467

21-Oct-22

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

	esources Servic tas 27 CTB 1	es, Inc.							
Sample ID: LCS-70748	SampType:	LCS	Tes	tCode: EF	PA Method	8015M/D: Di	esel Range	e Organics	
Client ID: LCSS	Batch ID:	70748	F	RunNo: 9 1	1700				
Prep Date: 10/11/2022	Analysis Date:	10/13/2022	5	SeqNo: 32	291224	Units: mg/k	(g		
Analyte	Result PQ	L SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)		15 50.00	0	75.3	46.9	103			
Surr: DNOP	4.0	5.000		80.2	21	129			
Sample ID: MB-70748	SampType:	MBLK	Tes	tCode: EF	PA Method	8015M/D: Die	esel Range	e Organics	
Client ID: PBS	Batch ID:	70748	F	RunNo: 91	1700				
Prep Date: 10/11/2022	Analysis Date:	10/13/2022	5	SeqNo: 32	291225	Units: mg/#	g		
Analyte	Result PG	L SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	15							
Motor Oil Range Organics (MRO)		50		00 F		(00			
Surr: DNOP	9.9	10.00		98.5	21	129			
Sample ID: MB-70822	SampType:	MBLK	Tes	tCode: EF	PA Method	8015M/D: Die	esel Range	e Organics	
Client ID: PBS	Batch ID:	70822	F	RunNo: 9 1	1846				
Prep Date: 10/13/2022	Analysis Date:	10/14/2022	S	SeqNo: 32	293491	Units: mg/k	(g		
Analyte	Result PQ	L SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)		15							
Motor Oil Range Organics (MRO)		50		101		100			
Surr: DNOP	12	10.00		121	21	129			
Sample ID: LCS-70822	SampType:	LCS	Tes	tCode: EF	PA Method	8015M/D: Die	esel Range	e Organics	
Client ID: LCSS	Batch ID:	70822	F	RunNo: 9 1	1846				
Prep Date: 10/13/2022	Analysis Date:	10/14/2022	S	SeqNo: 32	293492	Units: mg/k	(g		
Analyte	Result PQ	L SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)		15 50.00	0	102	64.4	127			
Surr: DNOP	5.2	5.000		104	21	129			
Sample ID: 2210467-006AMS	SampType:	MS	Tes	tCode: EF	PA Method	8015M/D: Di	esel Range	e Organics	
Client ID: WES22-21 0-2'	Batch ID:	70822	F	RunNo: 9 1	1846				
Prep Date: 10/13/2022	Analysis Date:	10/14/2022	S	SeqNo: 32	293494	Units: mg/k	(g		
Analyte	Result PC	L SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)		13 42.70	0	115	36.1	154			
Surr: DNOP	4.7	4.270		109	21	129			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

2210467

21-Oct-22

2210467

21-Oct-22

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QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

Client: Project:	Vertex Re Papas Frit		,	Inc.							
Sample ID: 2	210467-006AMSD	SampT	ype: MS	D	Test	tCode: EF	PA Method	8015M/D: Die	esel Rang	e Organics	
Client ID: W	VES22-21 0-2'	Batch	n ID: 70	822	R	tunNo: 9	1846				
Prep Date:	10/13/2022	Analysis D	ate: 10	/14/2022	S	eqNo: 32	293495	Units: mg/k	٤g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Org	anics (DRO)	46	15	49.41	0	92.8	36.1	154	7.23	33.9	
Surr: DNOP		3.9		4.941		78.6	21	129	0	0	

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

Client: Vertex Re Project: Papas Frit		,	Inc.							
Sample ID: mb-70734	SampT	ype: ME	LK	Tes	tCode: El	PA Method	8015D: Gaso	line Rang	е	
Client ID: PBS	Batch	n ID: 707	734	R	RunNo: 9	1747				
Prep Date: 10/11/2022	Analysis D	ate: 10	/12/2022	S	SeqNo: 3	289015	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO) Surr: BFB	ND 880	5.0	1000		87.7	37.7	212			
Sample ID: Ics-70734	SampT	ype: LC	S	Test	tCode: El	PA Method	8015D: Gaso	line Rang	e	
Client ID: LCSS	Batch	n ID: 707	734	R	RunNo: 9	1747				
Prep Date: 10/11/2022	Analysis D	ate: 10	/12/2022	S	SeqNo: 3	289016	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	24	5.0	25.00	0	95.3	72.3	137			
Surr: BFB	1800		1000		184	37.7	212			
Sample ID: Ics-70739	SampT	ype: LC	S	Tes	tCode: El	PA Method	8015D: Gaso	line Rang	e	
Client ID: LCSS	Batch	n ID: 707	739	R	RunNo: 9	1729				
Prep Date: 10/11/2022	Analysis D	ate: 10	/12/2022	S	SeqNo: 3	289240	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	24	5.0	25.00	0	94.0	72.3	137			
Surr: BFB	2000		1000		204	37.7	212			
Sample ID: mb-70739	SampT	ype: ME	LK	Test	tCode: El	PA Method	8015D: Gaso	line Rang	e	
Client ID: PBS	Batch	n ID: 707	739	R	RunNo: 9	1729				
Prep Date: 10/11/2022	Analysis D	ate: 10	/12/2022	S	SeqNo: 3	289241	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	970		1000		97.3	37.7	212			
Sample ID: 2210467-006ams	SampT	ype: MS	;	Tes	tCode: El	PA Method	8015D: Gaso	line Rang	е	
Client ID: WES22-21 0-2'	Batch	n ID: 707	739	R	RunNo: 9	1729				
Prep Date: 10/11/2022	Analysis D	ate: 10	/12/2022	S	SeqNo: 3	289251	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	24	5.0	25.00	0	95.6	70	130			
Surr: BFB	2200		1000		216	37.7	212			S
Sample ID: 2210467-006amsd	SampT	ype: MS	D	Tes	tCode: El	PA Method	8015D: Gaso	line Rang	e	
Client ID: WES22-21 0-2'	Batch	n ID: 707	739	R	RunNo: 9	1729				
Prep Date: 10/11/2022	Analysis D	ate: 10	/12/2022	S	SeqNo: 3	289252	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Qualifiers:

* Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

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Client: Project:	Vertex Re Papas Frit	esources S tas 27 CTI	,	, Inc.							
Sample ID:	2210467-006amsd	SampT	ype: MS	SD	Tes	tCode: EF	PA Method	8015D: Gasc	line Rang	e	
Client ID:	WES22-21 0-2'	Batch	n ID: 70	739	F	lunNo: 9 1	729				
Prep Date:	10/11/2022	Analysis D	ate: 10)/12/2022	S	eqNo: 32	289252	Units: mg/K	ſg		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range	e Organics (GRO)	25	5.0	24.98	0	100	70	130	4.72	20	
Surr: BFB		2200		999.0		218	37.7	212	0	0	S

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

2210467

21-Oct-22

	Resources S ritas 27 CT		, Inc.							
Sample ID: mb-70734	Samp	Гуре: МЕ	BLK	Tes	tCode: El	PA Method	8021B: Vola	tiles		
Client ID: PBS	Batc	h ID: 70	734	F	RunNo: 9	1747				
Prep Date: 10/11/2022	Analysis [Date: 10	0/12/2022	S	SeqNo: 3	289053	Units: mg/H	٢g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.96		1.000		95.7	70	130			
Sample ID: LCS-70734	Samp	Гуре: LC	S	Tes	tCode: El	PA Method	8021B: Vola	tiles		
Client ID: LCSS	Batc	h ID: 70	734	F	RunNo: 9	1747				
Prep Date: 10/11/2022	Analysis I	Date: 10)/12/2022	S	SeqNo: 3	289054	Units: mg/H	٢g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.96	0.025	1.000	0	96.5	80	120			
Toluene	0.96	0.050	1.000	0	96.5	80	120			
Ethylbenzene	0.96	0.050	1.000	0	96.3	80	120			
Xylenes, Total	2.9	0.10	3.000	0	95.8	80	120			
Surr: 4-Bromofluorobenzene	0.95		1.000		95.1	70	130			
Sample ID: Ics-70739	Samp	Гуре: LC	S	Tes	tCode: El	PA Method	8021B: Vola	tiles		
Client ID: LCSS	Batc	h ID: 70	739	F	RunNo: 9	1729				
Prep Date: 10/11/2022	Analysis [Date: 10	0/12/2022	S	SeqNo: 3	289261	Units: mg/k	٢g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.1	0.025	1.000	0	111	80	120			
Toluene	1.1	0.050	1.000	0	109	80	120			
Ethylbenzene	1.1	0.050	1.000	0	109	80	120			
Xylenes, Total	3.2	0.10	3.000	0	107	80	120			
Surr: 4-Bromofluorobenzene	1.0		1.000		100	70	130			
Sample ID: mb-70739	Samp	Гуре: МЕ	BLK	Tes	tCode: El	PA Method	8021B: Vola	tiles		
Client ID: PBS	Batc	h ID: 70	739	F	RunNo: 9	1729				
Prep Date: 10/11/2022	Analysis [Date: 10)/12/2022	5	SeqNo: 3	289262	Units: mg/k	٢g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.96		1.000		96.0	70	130			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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21-Oct-22

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

	Vertex Resources Services, Inc. Papas Fritas 27 CTB 1													
Sample ID: 2210467-007an	ns Samp ⁻	Type: MS	6	Tes	tCode: El	PA Method	8021B: Vola	iles						
Client ID: WES22-30 0-2'	Batc	h ID: 70	739	F	unNo: 9	lo: 91729								
Prep Date: 10/11/2022	Analysis I	Date: 10	0/12/2022	S	eqNo: 3	289265	Units: mg/k	g						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual				
Benzene	1.2	0.024	0.9425	0	122	68.8	120			S				
Toluene	1.1	0.047	0.9425	0	121	73.6	124							
Ethylbenzene	1.1	0.047	0.9425	0	122	72.7	129							
Xylenes, Total	3.4	0.094	2.828	0	119	75.7	126							
Surr: 4-Bromofluorobenzene	0.92		0.9425		97.8	70	130							
Sample ID: 2210467-007an	nsd Samp	Туре: М	SD	Tes	tCode: El	PA Method	8021B: Volat	iles						
Client ID: WES22-30 0-2'	Batc	h ID: 70	739	F	lunNo: 9	1729								
Prep Date: 10/11/2022	Analysis I	Date: 10	0/12/2022	S	eqNo: 3	289266	Units: mg/#	g						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual				
Benzene	1.1	0.023	0.9381	0	118	68.8	120	4.16	20					
Toluene	1.1	0.047	0.9381	0	116	73.6	124	4.45	20					
Ethylbenzene	1.1	0.047	0.9381	0	116	72.7	129	5.08	20					
Xylenes, Total	3.2	0.094	2.814	0	114	75.7	126	4.95	20					
Surr: 4-Bromofluorobenzene	0.92		0.9381		98.1	70	130	0	0					

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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WO#: 2210467

21-Oct-22

ENVIR ANAL)	2/2022 2:00: ONMENTAL YSIS RATORY			EL: 505-345 Website: wy	Albuquer 3975 FAX	505-345	87109 S	Sar	nple Log-In	Page 1 Check List
Client Name:	Vertex Resou Services, Inc.	rces	Work	Corder Nu	mber: 221	0467			RcptN	lo: 1
Received By:	Juan Rojas		10/11/2	2022 7:25:0	00 AM		Guarre	s.g.		
Completed By:	Cheyenne Ca	ason	10/11/2	2022 8:40:0	08 AM		Clear	1		
Reviewed By:	KPU	10	11.33				Cont			
Chain of Cust	ody									
1. Is Chain of Cu	stody complete	?			Yes	V	No		Not Present	
2. How was the s	ample delivere	d?			Cou	ier				
Log In										
3. Was an attemp	ot made to cool	the sam	oles?		Yes	~	No		NA 🗌	
4. Were all samp	es received at	a tempera	ature of >0° C	to 6.0°C	Yes		No		NA 🗌	
5. Sample(s) in p	roper container	(s)?			Yes		No			
6. Sufficient samp	le volume for i	ndicated t	est(s)?		Yes	~	No [
7. Are samples (e	xcept VOA and	ONG) pr	operly preserve	ed?	Yes	~	No [
8. Was preservati	ve added to bo	ttles?			Yes		No	~	NA 🗌	
9. Received at lea	st 1 vial with he	eadspace	<1/4" for AQ V	OA?	Yes		No [NA 🔽	
10. Were any sam	ole containers r	eceived b	oroken?		Yes		No	~	# of preserved	
11. Does paperwor (Note discrepar	k match bottle l icies on chain d	abels?	()		Yes		No [bottles checked for pH:	or >12 unless noted)
12. Are matrices co					Yes	~	No [Adjusted?	
13. Is it clear what a	analyses were	requested	17		Yes	~	No [3		
14. Were all holding (If no, notify cus					Yes	~	No [Checked by:	Juliela/2
Special Handlir	ng (if applic	able)								
15. Was client noti	fied of all discre	epancies	with this order?		Yes		No [NA 🗹	
Person N	otified:			Date	-			-		
By Whom				Via:	🗌 eMa	il 🗌 F	Phone 🗌 I	ax	In Person	
Regardin								-		
Client Ins 16. Additional rem	tructions:			_						
17. <u>Cooler Inform</u> Cooler No	Temp °C C	ondition	Seal Intact	Seal No	Seal Da	te	Signed By	1		
1	2.0 Go	od	Not Present							

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MENTAL	37109	4107		(juəsq4/	1000 C	10.000		S) 0728 ⁻ otal Cc	the second second											e 191 oj
HALL ENVIRON ANALYSIS LABC	4901 Hawkins NE - Albuqu	Tel. 505-345-3975 Fax	Analysis Request		(1.4(1 0728 1	sis 0 0 0 2 F	lethod y 831 Met Met	8081 PG 2014 E 2014 E 2014 E 2014 V		-							-		PEULOOC # JUDIO JUON	
	4901	Tel.		(8021) (ОЯМ \ (אם / כ	วร	12D(08:H9T	5								11		Remarks:	iom
Project Name:	Project #		010-014-14	Project Manager: Kent Stallings	Sampler: SPC	lers: 1	Cooler Temp(including CF): 7.1 - 6.1 = 7.0 (°C)	Container Preservative HEAL No. Type and # Type	for ice	-	2009	100 M	SUR	(M)	200	008	1 204	-	Received by: Via: Pate Time	Via: Vate Date
Client: Vertex (Devon)	Iress: On Jul	>		age: I □ Level 4 (Full Validation)	□ Az Compliance □ Other			e Matrix Sample Name	Soil WES22-01 0-2'	1 WES22-02 0-2'	05 / WES22-12 0-4'	5 WES22-17 0-2'	WES22-20	25 WES22-21 0-2'	INES 22-30	50 WES22-34 0-2'	00 1 WES22-35 2-4'		Sally Cartan	Relinquished by:
Client: Ve	Mailing Address:	Dhone #-	omoil or For	QA/QC Package:	Accreditation:	□ EDD (Type)		Date Time	10/7 9:45	1 9:50	10:05	10:15	10:20	10:25	10:35	10:20	00:11		10/7 14:50	Date: Time: 1 (0) 10/12 10/12



October 24, 2022

Kent Stallings Vertex Resources Services, Inc. 3101 Boyd Drive Carlsbad, NM 88220 TEL: (505) 506-0040 FAX:

OrderNo.: 2210780

Hall Environmental Analysis Laboratory

TEL: 505-345-3975 FAX: 505-345-4107

Website: www.hallenvironmental.com

4901 Hawkins NE

Albuquerque, NM 87109

RE: Papas Fritas 27 CTB 1

Dear Kent Stallings:

Hall Environmental Analysis Laboratory received 21 sample(s) on 10/15/2022 for the analyses presented in the following report.

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

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

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

Sincerely,

andy

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

Date Reported: 10/24/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: BES22-86 2' **Project:** Papas Fritas 27 CTB 1 Collection Date: 10/13/2022 1:00:00 PM Lab ID: 2210780-001 Matrix: SOIL Received Date: 10/15/2022 8:40:00 AM Result **RL** Qual Units DF **Date Analyzed** Analyses EPA METHOD 8015M/D: DIESEL RANGE ORGANICS Analyst: mb Diesel Range Organics (DRO) ND 14 mg/Kg 1 10/18/2022 8:32:48 PM Motor Oil Range Organics (MRO) ND 46 mg/Kg 1 10/18/2022 8:32:48 PM Surr: DNOP 149 21-129 S %Rec 1 10/18/2022 8:32:48 PM **EPA METHOD 8015D: GASOLINE RANGE** Analyst: NSB Gasoline Range Organics (GRO) ND 10/17/2022 1:47:53 PM 5.0 mg/Kg 1 Surr: BFB 87.4 37.7-212 %Rec 1 10/17/2022 1:47:53 PM **EPA METHOD 8021B: VOLATILES** Analyst: NSB Benzene ND 10/17/2022 1:47:53 PM 0.025 mg/Kg 1 Toluene ND 0.050 mg/Kg 1 10/17/2022 1:47:53 PM Ethylbenzene ND 0.050 mg/Kg 1 10/17/2022 1:47:53 PM Xylenes, Total ND mg/Kg 10/17/2022 1:47:53 PM 0.099 1 Surr: 4-Bromofluorobenzene 95.8 70-130 %Rec 1 10/17/2022 1:47:53 PM **EPA METHOD 300.0: ANIONS** Analyst: NAI Chloride mg/Kg 10/17/2022 10:47:19 PM ND 60 20

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

Qualifiers:

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

Н Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

POL

Practical Quanitative Limit

S % Recovery outside of range due to dilution or matrix interference

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

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Date Reported: 10/24/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: BES22-87 2' **Project:** Papas Fritas 27 CTB 1 Collection Date: 10/13/2022 1:05:00 PM Lab ID: 2210780-002 Matrix: SOIL Received Date: 10/15/2022 8:40:00 AM Result **RL** Qual Units DF **Date Analyzed** Analyses EPA METHOD 8015M/D: DIESEL RANGE ORGANICS Analyst: mb Diesel Range Organics (DRO) ND 14 mg/Kg 1 10/18/2022 9:05:14 PM Motor Oil Range Organics (MRO) ND 48 mg/Kg 1 10/18/2022 9:05:14 PM Surr: DNOP 151 21-129 S %Rec 1 10/18/2022 9:05:14 PM **EPA METHOD 8015D: GASOLINE RANGE** Analyst: NSB Gasoline Range Organics (GRO) ND 10/17/2022 2:58:08 PM 4.9 mg/Kg 1 Surr: BFB 87.2 37.7-212 %Rec 1 10/17/2022 2:58:08 PM **EPA METHOD 8021B: VOLATILES** Analyst: NSB Benzene ND 10/17/2022 2:58:08 PM 0.025 mg/Kg 1 Toluene ND 0.049 mg/Kg 1 10/17/2022 2:58:08 PM Ethylbenzene ND 0.049 mg/Kg 1 10/17/2022 2:58:08 PM Xylenes, Total ND 0.098 mg/Kg 10/17/2022 2:58:08 PM 1 Surr: 4-Bromofluorobenzene 93.2 70-130 %Rec 1 10/17/2022 2:58:08 PM **EPA METHOD 300.0: ANIONS** Analyst: NAI Chloride mg/Kg 10/17/2022 10:59:44 PM ND 60 20

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

Qualifiers:

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

H Holding times for preparation or analysis exceeded

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

B Analyte detected in the associated Method Blank

E Estimated value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

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Date Reported: 10/24/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: BES22-88 2' **Project:** Papas Fritas 27 CTB 1 Collection Date: 10/13/2022 1:10:00 PM Lab ID: 2210780-003 Matrix: SOIL Received Date: 10/15/2022 8:40:00 AM Result **RL** Qual Units DF **Date Analyzed** Analyses EPA METHOD 8015M/D: DIESEL RANGE ORGANICS Analyst: mb Diesel Range Organics (DRO) ND 14 mg/Kg 1 10/18/2022 9:16:00 PM Motor Oil Range Organics (MRO) ND 48 mg/Kg 1 10/18/2022 9:16:00 PM Surr: DNOP 93.1 21-129 %Rec 1 10/18/2022 9:16:00 PM **EPA METHOD 8015D: GASOLINE RANGE** Analyst: NSB Gasoline Range Organics (GRO) ND 10/17/2022 4:08:36 PM 4.9 mg/Kg 1 Surr: BFB 87.7 37.7-212 %Rec 1 10/17/2022 4:08:36 PM **EPA METHOD 8021B: VOLATILES** Analyst: NSB Benzene ND 10/17/2022 4:08:36 PM 0.025 mg/Kg 1 Toluene ND 0.049 mg/Kg 1 10/17/2022 4:08:36 PM Ethylbenzene ND 0.049 mg/Kg 1 10/17/2022 4:08:36 PM Xylenes, Total ND 0.099 mg/Kg 10/17/2022 4:08:36 PM 1 Surr: 4-Bromofluorobenzene 93.5 70-130 %Rec 1 10/17/2022 4:08:36 PM **EPA METHOD 300.0: ANIONS** Analyst: JTT mg/Kg Chloride 10/17/2022 8:59:34 PM ND 60 20

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

Qualifiers:

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

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

S % Recovery outside of range due to dilution or matrix interference

B Analyte detected in the associated Method Blank

E Estimated value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

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Lab ID:

CLIENT: Vertex Resources Services, Inc.

2210780-004

Papas Fritas 27 CTB 1

Analytical Report
Lab Order 2210780

Date Reported: 10/24/2022

Hall Environmental Analysis Laboratory, Inc.

 Client Sample ID: BES22-89 2'

 Collection Date: 10/13/2022 1:15:00 PM

 Matrix: SOIL
 Received Date: 10/15/2022 8:40:00 AM

 Result
 RL Oual Units
 DF
 Date Analyzed

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS					Analyst: mb
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	10/18/2022 9:26:44 PM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	10/18/2022 9:26:44 PM
Surr: DNOP	138	21-129	S	%Rec	1	10/18/2022 9:26:44 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: NSB
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	10/17/2022 5:42:59 PM
Surr: BFB	86.9	37.7-212		%Rec	1	10/17/2022 5:42:59 PM
EPA METHOD 8021B: VOLATILES						Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	10/17/2022 5:42:59 PM
Toluene	ND	0.050		mg/Kg	1	10/17/2022 5:42:59 PM
Ethylbenzene	ND	0.050		mg/Kg	1	10/17/2022 5:42:59 PM
Xylenes, Total	ND	0.10		mg/Kg	1	10/17/2022 5:42:59 PM
Surr: 4-Bromofluorobenzene	94.6	70-130		%Rec	1	10/17/2022 5:42:59 PM
EPA METHOD 300.0: ANIONS						Analyst: JTT
Chloride	ND	60		mg/Kg	20	10/17/2022 10:01:17 PM

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

Qualifiers:

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

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

S % Recovery outside of range due to dilution or matrix interference

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

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Date Reported: 10/24/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: BES22-91 2' **Project:** Papas Fritas 27 CTB 1 Collection Date: 10/13/2022 1:20:00 PM Lab ID: 2210780-005 Matrix: SOIL Received Date: 10/15/2022 8:40:00 AM Result **RL** Qual Units DF **Date Analyzed** Analyses EPA METHOD 8015M/D: DIESEL RANGE ORGANICS Analyst: mb Diesel Range Organics (DRO) ND 15 mg/Kg 1 10/18/2022 9:37:27 PM Motor Oil Range Organics (MRO) ND 48 mg/Kg 1 10/18/2022 9:37:27 PM Surr: DNOP 101 21-129 %Rec 1 10/18/2022 9:37:27 PM **EPA METHOD 8015D: GASOLINE RANGE** Analyst: NSB Gasoline Range Organics (GRO) ND 10/17/2022 6:06:27 PM 5.0 mg/Kg 1 Surr: BFB 85.7 37.7-212 %Rec 1 10/17/2022 6:06:27 PM **EPA METHOD 8021B: VOLATILES** Analyst: NSB Benzene ND 10/17/2022 6:06:27 PM 0.025 mg/Kg 1 Toluene ND 0.050 mg/Kg 1 10/17/2022 6:06:27 PM Ethylbenzene ND 0.050 mg/Kg 1 10/17/2022 6:06:27 PM Xylenes, Total ND mg/Kg 10/17/2022 6:06:27 PM 0.099 1 Surr: 4-Bromofluorobenzene 92.4 70-130 %Rec 1 10/17/2022 6:06:27 PM **EPA METHOD 300.0: ANIONS** Analyst: JTT mg/Kg Chloride 10/17/2022 10:38:18 PM ND 60 20

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

Qualifiers:

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

H Holding times for preparation or analysis exceeded

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

B Analyte detected in the associated Method Blank

E Estimated value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

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Date Reported: 10/24/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: BES22-92 2' **Project:** Papas Fritas 27 CTB 1 Collection Date: 10/13/2022 1:25:00 PM Lab ID: 2210780-006 Matrix: SOIL Received Date: 10/15/2022 8:40:00 AM Result **RL** Qual Units DF **Date Analyzed** Analyses EPA METHOD 8015M/D: DIESEL RANGE ORGANICS Analyst: mb Diesel Range Organics (DRO) ND 14 mg/Kg 1 10/18/2022 9:48:09 PM Motor Oil Range Organics (MRO) ND 46 mg/Kg 1 10/18/2022 9:48:09 PM Surr: DNOP 120 21-129 %Rec 1 10/18/2022 9:48:09 PM **EPA METHOD 8015D: GASOLINE RANGE** Analyst: NSB Gasoline Range Organics (GRO) ND 10/17/2022 6:29:52 PM 4.9 mg/Kg 1 Surr: BFB 86.9 37.7-212 %Rec 1 10/17/2022 6:29:52 PM **EPA METHOD 8021B: VOLATILES** Analyst: NSB Benzene ND 10/17/2022 6:29:52 PM 0.024 mg/Kg 1 Toluene ND 0.049 mg/Kg 1 10/17/2022 6:29:52 PM Ethylbenzene ND 0.049 mg/Kg 1 10/17/2022 6:29:52 PM Xylenes, Total ND 0.097 mg/Kg 10/17/2022 6:29:52 PM 1 Surr: 4-Bromofluorobenzene 95.0 70-130 %Rec 1 10/17/2022 6:29:52 PM **EPA METHOD 300.0: ANIONS** Analyst: JTT mg/Kg Chloride 10/17/2022 10:50:38 PM ND 60 20

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

Qualifiers:

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

H Holding times for preparation or analysis exceeded

- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Lab ID:

Analyses

Surr: BFB

Benzene

Toluene

Chloride

Ethylbenzene

Xylenes, Total

Surr: 4-Bromofluorobenzene

EPA METHOD 300.0: ANIONS

Analytical Report Lab Order 2210780

10/17/2022 6:53:17 PM

10/17/2022 11:02:59 PM

Analyst: JTT

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 10/24/2022 **CLIENT:** Vertex Resources Services, Inc. Client Sample ID: BES22-93 2' Papas Fritas 27 CTB 1 Collection Date: 10/13/2022 1:30:00 PM 2210780-007 Matrix: SOIL Received Date: 10/15/2022 8:40:00 AM Result **RL** Qual Units DF **Date Analyzed** EPA METHOD 8015M/D: DIESEL RANGE ORGANICS Analyst: mb Diesel Range Organics (DRO) ND 13 mg/Kg 1 10/18/2022 9:58:50 PM Motor Oil Range Organics (MRO) ND 44 mg/Kg 1 10/18/2022 9:58:50 PM Surr: DNOP 89.5 21-129 %Rec 1 10/18/2022 9:58:50 PM **EPA METHOD 8015D: GASOLINE RANGE** Analyst: NSB Gasoline Range Organics (GRO) ND 10/17/2022 6:53:17 PM 4.9 mg/Kg 1 85.8 37.7-212 %Rec 1 10/17/2022 6:53:17 PM **EPA METHOD 8021B: VOLATILES** Analyst: NSB

0.025

0.049

0.049

0.099

70-130

60

mg/Kg

mg/Kg

mg/Kg

mg/Kg

%Rec

mg/Kg

1

1

1

1

1

20

ND

ND

ND

ND

93.4

ND

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

Qualifiers:

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

Н Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

POL Practical Quanitative Limit

S % Recovery outside of range due to dilution or matrix interference в Analyte detected in the associated Method Blank

E Estimated value

J Analyte detected below quantitation limits

Р Sample pH Not In Range

RL Reporting Limit Page 7 of 28

Date Reported: 10/24/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: BES22-94 2' **Project:** Papas Fritas 27 CTB 1 Collection Date: 10/13/2022 1:35:00 PM Lab ID: 2210780-008 Matrix: SOIL Received Date: 10/15/2022 8:40:00 AM Result **RL** Qual Units DF **Date Analyzed** Analyses EPA METHOD 8015M/D: DIESEL RANGE ORGANICS Analyst: mb Diesel Range Organics (DRO) ND 14 mg/Kg 1 10/18/2022 10:20:02 PM Motor Oil Range Organics (MRO) ND 48 mg/Kg 1 10/18/2022 10:20:02 PM Surr: DNOP 95.2 21-129 %Rec 1 10/18/2022 10:20:02 PM **EPA METHOD 8015D: GASOLINE RANGE** Analyst: NSB Gasoline Range Organics (GRO) ND 10/17/2022 7:16:49 PM 4.9 mg/Kg 1 Surr: BFB 86.0 37.7-212 %Rec 1 10/17/2022 7:16:49 PM **EPA METHOD 8021B: VOLATILES** Analyst: NSB Benzene ND 10/17/2022 7:16:49 PM 0.025 mg/Kg 1 Toluene ND 0.049 mg/Kg 1 10/17/2022 7:16:49 PM Ethylbenzene ND 0.049 mg/Kg 1 10/17/2022 7:16:49 PM Xylenes, Total ND 0.098 mg/Kg 10/17/2022 7:16:49 PM 1 Surr: 4-Bromofluorobenzene 93.9 70-130 %Rec 1 10/17/2022 7:16:49 PM **EPA METHOD 300.0: ANIONS** Analyst: JTT Chloride mg/Kg 10/17/2022 11:15:20 PM ND 60 20

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

Qualifiers:

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

Н Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

POL

Practical Quanitative Limit

S % Recovery outside of range due to dilution or matrix interference

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

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EPA METHOD 300.0: ANIONS

Chloride

Analytical Report Lab Order 2210780

Date Reported: 10/24/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: BES22-97 2' **Project:** Papas Fritas 27 CTB 1 Collection Date: 10/13/2022 1:40:00 PM Lab ID: 2210780-009 Matrix: SOIL Received Date: 10/15/2022 8:40:00 AM Result **RL** Qual Units DF **Date Analyzed** Analyses EPA METHOD 8015M/D: DIESEL RANGE ORGANICS Analyst: mb Diesel Range Organics (DRO) ND 14 mg/Kg 1 10/18/2022 10:30:41 PM Motor Oil Range Organics (MRO) ND 47 mg/Kg 1 10/18/2022 10:30:41 PM Surr: DNOP 91.8 21-129 %Rec 1 10/18/2022 10:30:41 PM **EPA METHOD 8015D: GASOLINE RANGE** Analyst: NSB Gasoline Range Organics (GRO) ND 10/17/2022 7:40:27 PM 4.8 mg/Kg 1 Surr: BFB 87.4 37.7-212 %Rec 1 10/17/2022 7:40:27 PM **EPA METHOD 8021B: VOLATILES** Analyst: NSB Benzene ND 0.024 10/17/2022 7:40:27 PM mg/Kg 1 Toluene ND 0.048 mg/Kg 1 10/17/2022 7:40:27 PM Ethylbenzene ND 0.048 mg/Kg 1 10/17/2022 7:40:27 PM Xylenes, Total ND 0.096 mg/Kg 10/17/2022 7:40:27 PM 1 Surr: 4-Bromofluorobenzene 95.4 70-130 %Rec 1 10/17/2022 7:40:27 PM

ND

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

Qualifiers:

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

Н Holding times for preparation or analysis exceeded

- ND Not Detected at the Reporting Limit
- POL
- Practical Quanitative Limit

S % Recovery outside of range due to dilution or matrix interference

- в Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits

mg/Kg

20

60

- Р Sample pH Not In Range
- RL Reporting Limit

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Analyst: JTT

10/17/2022 11:27:41 PM

Date Reported: 10/24/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: BES22-98 2' **Project:** Papas Fritas 27 CTB 1 Collection Date: 10/13/2022 1:45:00 PM Lab ID: 2210780-010 Matrix: SOIL Received Date: 10/15/2022 8:40:00 AM Result **RL** Qual Units DF **Date Analyzed** Analyses EPA METHOD 8015M/D: DIESEL RANGE ORGANICS Analyst: mb Diesel Range Organics (DRO) ND 14 mg/Kg 1 10/18/2022 10:41:35 PM Motor Oil Range Organics (MRO) ND 47 mg/Kg 1 10/18/2022 10:41:35 PM Surr: DNOP 97.4 21-129 %Rec 1 10/18/2022 10:41:35 PM **EPA METHOD 8015D: GASOLINE RANGE** Analyst: NSB Gasoline Range Organics (GRO) ND 10/17/2022 8:04:05 PM 4.9 mg/Kg 1 Surr: BFB 85.2 37.7-212 %Rec 1 10/17/2022 8:04:05 PM **EPA METHOD 8021B: VOLATILES** Analyst: NSB Benzene ND 0.024 10/17/2022 8:04:05 PM mg/Kg 1 Toluene ND 0.049 mg/Kg 1 10/17/2022 8:04:05 PM Ethylbenzene ND 0.049 mg/Kg 1 10/17/2022 8:04:05 PM Xylenes, Total ND 0.098 mg/Kg 10/17/2022 8:04:05 PM 1 Surr: 4-Bromofluorobenzene 92.3 70-130 %Rec 1 10/17/2022 8:04:05 PM **EPA METHOD 300.0: ANIONS** Analyst: JTT mg/Kg Chloride 10/18/2022 12:04:41 AM ND 60 20

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

Qualifiers:

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

H Holding times for preparation or analysis exceeded

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

B Analyte detected in the associated Method Blank

E Estimated value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

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Date Reported: 10/24/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: BES22-99 2' **Project:** Papas Fritas 27 CTB 1 Collection Date: 10/13/2022 1:50:00 PM Lab ID: 2210780-011 Matrix: SOIL Received Date: 10/15/2022 8:40:00 AM Result **RL** Qual Units DF **Date Analyzed** Analyses EPA METHOD 8015M/D: DIESEL RANGE ORGANICS Analyst: mb Diesel Range Organics (DRO) ND 14 mg/Kg 1 10/18/2022 10:52:11 PM Motor Oil Range Organics (MRO) ND 48 mg/Kg 1 10/18/2022 10:52:11 PM Surr: DNOP 88.0 21-129 %Rec 1 10/18/2022 10:52:11 PM **EPA METHOD 8015D: GASOLINE RANGE** Analyst: NSB Gasoline Range Organics (GRO) ND 10/17/2022 8:27:40 PM 4.8 mg/Kg 1 Surr: BFB 85.1 37.7-212 %Rec 1 10/17/2022 8:27:40 PM **EPA METHOD 8021B: VOLATILES** Analyst: NSB Benzene ND 10/17/2022 8:27:40 PM 0.024 mg/Kg 1 Toluene ND 0.048 mg/Kg 1 10/17/2022 8:27:40 PM Ethylbenzene ND 0.048 mg/Kg 1 10/17/2022 8:27:40 PM Xylenes, Total ND 0.096 mg/Kg 10/17/2022 8:27:40 PM 1 Surr: 4-Bromofluorobenzene 92.8 70-130 %Rec 1 10/17/2022 8:27:40 PM **EPA METHOD 300.0: ANIONS** Analyst: JTT mg/Kg Chloride 10/18/2022 12:17:01 AM ND 60 20

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

Qualifiers:

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

H Holding times for preparation or analysis exceeded

- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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CLIENT: Vertex Resources Services, Inc.

Papas Fritas 27 CTB 1

Analytical Report Lab Order 2210780

Date Reported: 10/24/2022

Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: BES22-100 2' Collection Date: 10/13/2022 1:55:00 PM Received Date: 10/15/2022 8:40:00 AM

Lab ID: 2210780-012	Matrix: SOIL	Received Date: 10/15/2022 8:40:00 AM					
Analyses	Result	RL Qua	al Units	DF	Date Analyzed		
EPA METHOD 8015M/D: DIESEL RAM	IGE ORGANICS				Analyst: mb		
Diesel Range Organics (DRO)	ND	13	mg/Kg	1	10/18/2022 11:02:46 PM		
Motor Oil Range Organics (MRO)	ND	44	mg/Kg	1	10/18/2022 11:02:46 PM		
Surr: DNOP	95.5	21-129	%Rec	1	10/18/2022 11:02:46 PM		
EPA METHOD 8015D: GASOLINE RA	NGE				Analyst: NSB		
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	10/17/2022 8:51:15 PM		
Surr: BFB	86.0	37.7-212	%Rec	1	10/17/2022 8:51:15 PM		
EPA METHOD 8021B: VOLATILES					Analyst: NSB		
Benzene	ND	0.025	mg/Kg	1	10/17/2022 8:51:15 PM		
Toluene	ND	0.050	mg/Kg	1	10/17/2022 8:51:15 PM		
Ethylbenzene	ND	0.050	mg/Kg	1	10/17/2022 8:51:15 PM		
Xylenes, Total	ND	0.099	mg/Kg	1	10/17/2022 8:51:15 PM		
Surr: 4-Bromofluorobenzene	93.2	70-130	%Rec	1	10/17/2022 8:51:15 PM		
EPA METHOD 300.0: ANIONS					Analyst: JTT		
Chloride	ND	60	mg/Kg	20	10/18/2022 12:29:22 AM		

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

Qualifiers:

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

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

S % Recovery outside of range due to dilution or matrix interference

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

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Date Reported: 10/24/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: BES22-101 4' **Project:** Papas Fritas 27 CTB 1 Collection Date: 10/13/2022 2:00:00 PM Lab ID: 2210780-013 Matrix: SOIL Received Date: 10/15/2022 8:40:00 AM Result **RL** Qual Units DF **Date Analyzed** Analyses EPA METHOD 8015M/D: DIESEL RANGE ORGANICS Analyst: mb Diesel Range Organics (DRO) ND 14 mg/Kg 1 10/18/2022 11:13:21 PM Motor Oil Range Organics (MRO) ND 46 mg/Kg 1 10/18/2022 11:13:21 PM Surr: DNOP 97.7 21-129 %Rec 1 10/18/2022 11:13:21 PM **EPA METHOD 8015D: GASOLINE RANGE** Analyst: NSB Gasoline Range Organics (GRO) ND 10/17/2022 9:14:40 PM 4.9 mg/Kg 1 Surr: BFB 85.0 37.7-212 %Rec 1 10/17/2022 9:14:40 PM **EPA METHOD 8021B: VOLATILES** Analyst: NSB Benzene ND 10/17/2022 9:14:40 PM 0.025 mg/Kg 1 Toluene ND 0.049 mg/Kg 1 10/17/2022 9:14:40 PM Ethylbenzene ND 0.049 mg/Kg 1 10/17/2022 9:14:40 PM Xylenes, Total ND 0.098 mg/Kg 10/17/2022 9:14:40 PM 1 Surr: 4-Bromofluorobenzene 93.0 70-130 %Rec 1 10/17/2022 9:14:40 PM **EPA METHOD 300.0: ANIONS** Analyst: JTT mg/Kg Chloride 10/18/2022 12:41:43 AM ND 60 20

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

Qualifiers:

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

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

S % Recovery outside of range due to dilution or matrix interference

B Analyte detected in the associated Method Blank

E Estimated value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

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Date Reported: 10/24/2022

10/18/2022 12:54:03 AM

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: BES22-103 2' **Project:** Papas Fritas 27 CTB 1 Collection Date: 10/13/2022 2:05:00 PM Lab ID: 2210780-014 Matrix: SOIL Received Date: 10/15/2022 8:40:00 AM Result **RL** Qual Units DF **Date Analyzed** Analyses EPA METHOD 8015M/D: DIESEL RANGE ORGANICS Analyst: mb Diesel Range Organics (DRO) ND 14 mg/Kg 1 10/18/2022 11:23:54 PM Motor Oil Range Organics (MRO) ND 48 mg/Kg 1 10/18/2022 11:23:54 PM Surr: DNOP 102 21-129 %Rec 1 10/18/2022 11:23:54 PM **EPA METHOD 8015D: GASOLINE RANGE** Analyst: NSB Gasoline Range Organics (GRO) ND 4.7 10/17/2022 10:01:32 PM mg/Kg 1 Surr: BFB 86.9 37.7-212 %Rec 1 10/17/2022 10:01:32 PM **EPA METHOD 8021B: VOLATILES** Analyst: NSB Benzene ND 10/17/2022 10:01:32 PM 0.024 mg/Kg 1 Toluene ND 0.047 mg/Kg 1 10/17/2022 10:01:32 PM Ethylbenzene ND 0.047 mg/Kg 1 10/17/2022 10:01:32 PM Xylenes, Total ND 0.094 mg/Kg 10/17/2022 10:01:32 PM 1 Surr: 4-Bromofluorobenzene 95.3 70-130 %Rec 1 10/17/2022 10:01:32 PM **EPA METHOD 300.0: ANIONS** Analyst: JTT

ND

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

Qualifiers:

Chloride

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

H Holding times for preparation or analysis exceeded

- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit

S % Recovery outside of range due to dilution or matrix interference

- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits

mg/Kg

20

59

- P Sample pH Not In Range
- RL Reporting Limit

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CLIENT: Vertex Resources Services, Inc.

Papas Fritas 27 CTB 1

Analytical Report Lab Order 2210780

Date Reported: 10/24/2022

Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: BES22-105 2' Collection Date: 10/13/2022 2:10:00 PM Received Date: 10/15/2022 8:40:00 AM

Lab ID: 2210780-015	Matrix: SOIL	Rece	ived Date:	10/15/	2022 8:40:00 AM
Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANG	E ORGANICS				Analyst: mb
Diesel Range Organics (DRO)	ND	15	mg/Kg	1	10/18/2022 11:34:27 PM
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	10/18/2022 11:34:27 PM
Surr: DNOP	96.1	21-129	%Rec	1	10/18/2022 11:34:27 PM
EPA METHOD 8015D: GASOLINE RAN	GE				Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	10/17/2022 10:25:08 PM
Surr: BFB	85.0	37.7-212	%Rec	1	10/17/2022 10:25:08 PM
EPA METHOD 8021B: VOLATILES					Analyst: NSB
Benzene	ND	0.024	mg/Kg	1	10/17/2022 10:25:08 PM
Toluene	ND	0.049	mg/Kg	1	10/17/2022 10:25:08 PM
Ethylbenzene	ND	0.049	mg/Kg	1	10/17/2022 10:25:08 PM
Xylenes, Total	ND	0.097	mg/Kg	1	10/17/2022 10:25:08 PM
Surr: 4-Bromofluorobenzene	92.6	70-130	%Rec	1	10/17/2022 10:25:08 PM
EPA METHOD 300.0: ANIONS					Analyst: JTT
Chloride	ND	60	mg/Kg	20	10/18/2022 1:06:25 AM

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

Qualifiers:

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

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

S % Recovery outside of range due to dilution or matrix interference

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

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Date Reported: 10/24/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: BES22-107 4' **Project:** Papas Fritas 27 CTB 1 Collection Date: 10/13/2022 2:15:00 PM Lab ID: 2210780-016 Matrix: SOIL Received Date: 10/15/2022 8:40:00 AM Result **RL** Qual Units DF **Date Analyzed** Analyses EPA METHOD 8015M/D: DIESEL RANGE ORGANICS Analyst: mb Diesel Range Organics (DRO) ND 14 mg/Kg 1 10/18/2022 11:44:58 PM Motor Oil Range Organics (MRO) ND 47 mg/Kg 1 10/18/2022 11:44:58 PM Surr: DNOP 98.6 21-129 %Rec 1 10/18/2022 11:44:58 PM **EPA METHOD 8015D: GASOLINE RANGE** Analyst: NSB Gasoline Range Organics (GRO) ND 10/17/2022 10:48:43 PM 4.9 mg/Kg 1 Surr: BFB 86.0 37.7-212 %Rec 1 10/17/2022 10:48:43 PM **EPA METHOD 8021B: VOLATILES** Analyst: NSB Benzene ND 10/17/2022 10:48:43 PM 0.025 mg/Kg 1 Toluene ND 0.049 mg/Kg 1 10/17/2022 10:48:43 PM Ethylbenzene ND 0.049 mg/Kg 1 10/17/2022 10:48:43 PM Xylenes, Total ND 0.099 mg/Kg 10/17/2022 10:48:43 PM 1 Surr: 4-Bromofluorobenzene 93.6 70-130 %Rec 1 10/17/2022 10:48:43 PM **EPA METHOD 300.0: ANIONS** Analyst: JTT Chloride mg/Kg 10/18/2022 1:18:45 AM ND 60 20

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

Qualifiers:

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

Н Holding times for preparation or analysis exceeded

- ND Not Detected at the Reporting Limit
- POL
- Practical Quanitative Limit

S % Recovery outside of range due to dilution or matrix interference

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

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EPA METHOD 300.0: ANIONS

Chloride

Analytical Report Lab Order 2210780

Date Reported: 10/24/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: BES22-110 2' **Project:** Papas Fritas 27 CTB 1 Collection Date: 10/13/2022 2:20:00 PM Lab ID: 2210780-017 Matrix: SOIL Received Date: 10/15/2022 8:40:00 AM Result **RL** Qual Units DF **Date Analyzed** Analyses EPA METHOD 8015M/D: DIESEL RANGE ORGANICS Analyst: mb Diesel Range Organics (DRO) ND 15 mg/Kg 1 10/18/2022 11:55:29 PM Motor Oil Range Organics (MRO) ND 49 mg/Kg 1 10/18/2022 11:55:29 PM Surr: DNOP 94.1 21-129 %Rec 1 10/18/2022 11:55:29 PM **EPA METHOD 8015D: GASOLINE RANGE** Analyst: NSB Gasoline Range Organics (GRO) ND 10/17/2022 11:12:11 PM 4.9 mg/Kg 1 Surr: BFB 87.0 37.7-212 %Rec 1 10/17/2022 11:12:11 PM **EPA METHOD 8021B: VOLATILES** Analyst: NSB Benzene ND 10/17/2022 11:12:11 PM 0.025 mg/Kg 1 Toluene ND 0.049 mg/Kg 1 10/17/2022 11:12:11 PM Ethylbenzene ND 0.049 mg/Kg 1 10/17/2022 11:12:11 PM Xylenes, Total ND 0.098 mg/Kg 10/17/2022 11:12:11 PM 1 Surr: 4-Bromofluorobenzene 95.3 70-130 %Rec 1 10/17/2022 11:12:11 PM

ND

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

Qualifiers:

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

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits

mg/Kg

20

60

- P Sample pH Not In Range
- RL Reporting Limit

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Analyst: JTT

10/18/2022 1:31:06 AM

Date Reported: 10/24/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: BES22-111 2' **Project:** Papas Fritas 27 CTB 1 Collection Date: 10/13/2022 2:25:00 PM Lab ID: 2210780-018 Matrix: SOIL Received Date: 10/15/2022 8:40:00 AM Result **RL** Qual Units DF **Date Analyzed** Analyses EPA METHOD 8015M/D: DIESEL RANGE ORGANICS Analyst: mb Diesel Range Organics (DRO) ND 14 mg/Kg 1 10/19/2022 12:06:02 AM Motor Oil Range Organics (MRO) ND 46 mg/Kg 1 10/19/2022 12:06:02 AM Surr: DNOP 88.3 21-129 %Rec 1 10/19/2022 12:06:02 AM **EPA METHOD 8015D: GASOLINE RANGE** Analyst: NSB Gasoline Range Organics (GRO) ND 10/17/2022 11:35:40 PM 4.9 mg/Kg 1 Surr: BFB 88.2 37.7-212 %Rec 1 10/17/2022 11:35:40 PM **EPA METHOD 8021B: VOLATILES** Analyst: NSB Benzene ND 10/17/2022 11:35:40 PM 0.025 mg/Kg 1 Toluene ND 0.049 mg/Kg 1 10/17/2022 11:35:40 PM Ethylbenzene ND 0.049 mg/Kg 1 10/17/2022 11:35:40 PM Xylenes, Total ND 0.099 mg/Kg 10/17/2022 11:35:40 PM 1 Surr: 4-Bromofluorobenzene 95.3 70-130 %Rec 1 10/17/2022 11:35:40 PM **EPA METHOD 300.0: ANIONS** Analyst: JTT Chloride mg/Kg 10/18/2022 1:43:26 AM ND 60 20

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

Qualifiers:

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

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

S % Recovery outside of range due to dilution or matrix interference

B Analyte detected in the associated Method Blank

E Estimated value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

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Date Reported: 10/24/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: BES22-112 2' **Project:** Papas Fritas 27 CTB 1 Collection Date: 10/13/2022 2:30:00 PM Lab ID: 2210780-019 Matrix: SOIL Received Date: 10/15/2022 8:40:00 AM Result **RL** Qual Units DF **Date Analyzed** Analyses EPA METHOD 8015M/D: DIESEL RANGE ORGANICS Analyst: mb Diesel Range Organics (DRO) ND 14 mg/Kg 1 10/19/2022 12:16:34 AM Motor Oil Range Organics (MRO) ND 46 mg/Kg 1 10/19/2022 12:16:34 AM Surr: DNOP 98.2 21-129 %Rec 1 10/19/2022 12:16:34 AM **EPA METHOD 8015D: GASOLINE RANGE** Analyst: NSB Gasoline Range Organics (GRO) ND 10/17/2022 11:59:16 PM 4.9 mg/Kg 1 Surr: BFB 86.2 37.7-212 %Rec 1 10/17/2022 11:59:16 PM **EPA METHOD 8021B: VOLATILES** Analyst: NSB Benzene ND 10/17/2022 11:59:16 PM 0.024 mg/Kg 1 Toluene ND 0.049 mg/Kg 1 10/17/2022 11:59:16 PM Ethylbenzene ND 0.049 mg/Kg 1 10/17/2022 11:59:16 PM Xylenes, Total ND 0.098 mg/Kg 10/17/2022 11:59:16 PM 1 Surr: 4-Bromofluorobenzene 93.5 70-130 %Rec 1 10/17/2022 11:59:16 PM **EPA METHOD 300.0: ANIONS** Analyst: JTT Chloride mg/Kg 10/18/2022 1:55:47 AM ND 61 20

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

Qualifiers:

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

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

S % Recovery outside of range due to dilution or matrix interference

B Analyte detected in the associated Method Blank

E Estimated value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

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Date Reported: 10/24/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: BES22-113 2' **Project:** Papas Fritas 27 CTB 1 Collection Date: 10/13/2022 2:35:00 PM Lab ID: 2210780-020 Matrix: SOIL Received Date: 10/15/2022 8:40:00 AM Result **RL** Qual Units DF **Date Analyzed** Analyses EPA METHOD 8015M/D: DIESEL RANGE ORGANICS Analyst: mb Diesel Range Organics (DRO) ND 14 mg/Kg 1 10/19/2022 12:27:05 AM Motor Oil Range Organics (MRO) ND 46 mg/Kg 1 10/19/2022 12:27:05 AM Surr: DNOP 101 21-129 %Rec 1 10/19/2022 12:27:05 AM **EPA METHOD 8015D: GASOLINE RANGE** Analyst: NSB Gasoline Range Organics (GRO) ND 10/18/2022 12:22:40 AM 4.8 mg/Kg 1 Surr: BFB 86.5 37.7-212 %Rec 1 10/18/2022 12:22:40 AM **EPA METHOD 8021B: VOLATILES** Analyst: NSB Benzene ND 10/18/2022 12:22:40 AM 0.024 mg/Kg 1 Toluene ND 0.048 mg/Kg 1 10/18/2022 12:22:40 AM Ethylbenzene ND 0.048 mg/Kg 1 10/18/2022 12:22:40 AM Xylenes, Total ND 0.097 mg/Kg 10/18/2022 12:22:40 AM 1 Surr: 4-Bromofluorobenzene 93.7 70-130 %Rec 1 10/18/2022 12:22:40 AM **EPA METHOD 300.0: ANIONS** Analyst: JTT Chloride mg/Kg 10/18/2022 2:32:49 AM ND 60 20

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

Qualifiers:

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

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

S % Recovery outside of range due to dilution or matrix interference

B Analyte detected in the associated Method Blank

E Estimated value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

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Lab ID:

Analyses

Analytical Report Lab Order 2210780

Date Reported: 10/24/2022

Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: WES22-09 1' **CLIENT:** Vertex Resources Services, Inc. Papas Fritas 27 CTB 1 Collection Date: 10/13/2022 2:45:00 PM 2210780-021 Matrix: SOIL Received Date: 10/15/2022 8:40:00 AM Result **RL** Qual Units DF **Date Analyzed EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** Analyst: SB Diesel Range Organics (DRO) mg/Kg 10/19/2022 11:50:30 AM ND 15 1 Motor Oil Range Organics (MRO) ND 49 mg/Kg 1 10/19/2022 11:50:30 AM Л Λ Л

Surr: DNOP	97.4	21-129	%Rec	1	10/19/2022 11:50:30 AM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: CCM
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	10/18/2022 11:42:00 AM
Surr: BFB	95.3	37.7-212	%Rec	1	10/18/2022 11:42:00 AM
EPA METHOD 8021B: VOLATILES					Analyst: CCM
Benzene	ND	0.025	mg/Kg	1	10/18/2022 11:42:00 AM
Toluene	ND	0.050	mg/Kg	1	10/18/2022 11:42:00 AM
Ethylbenzene	ND	0.050	mg/Kg	1	10/18/2022 11:42:00 AM
Xylenes, Total	ND	0.10	mg/Kg	1	10/18/2022 11:42:00 AM
Surr: 4-Bromofluorobenzene	105	70-130	%Rec	1	10/18/2022 11:42:00 AM
EPA METHOD 300.0: ANIONS					Analyst: CAS
Chloride	ND	60	mg/Kg	20	10/18/2022 8:04:53 PM

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

Qualifiers:

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

Н Holding times for preparation or analysis exceeded

- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit

% Recovery outside of range due to dilution or matrix interference S

- Analyte detected in the associated Method Blank в
- E Estimated value
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range

RL Reporting Limit Page 21 of 28

L.		WO#:	2210780
Hall Env	ironmental Analysis Laboratory, Inc.		24-Oct-22
Client:	Vertex Resources Services, Inc.		

Project:		Fritas 27 CTB 1			
Sample ID:	MB-70880	SampType: mblk	TestCode: EPA Method	300.0: Anions	
Client ID:	PBS	Batch ID: 70880	RunNo: 91872		
Prep Date:	10/17/2022	Analysis Date: 10/17/2022	SeqNo: 3294593	Units: mg/Kg	
Analyte		Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit Qual
Chloride		ND 1.5			
Sample ID:	LCS-70880	SampType: Ics	TestCode: EPA Method	300.0: Anions	
Client ID:	LCSS	Batch ID: 70880	RunNo: 91872		
Prep Date:	10/17/2022	Analysis Date: 10/17/2022	SeqNo: 3294594	Units: mg/Kg	
Analyte		Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit Qual
Chloride		14 1.5 15.00	0 93.3 90	110	
Sample ID:	MB-70881	SampType: MBLK	TestCode: EPA Method	300.0: Anions	
Client ID:	PBS	Batch ID: 70881	RunNo: 91844		
Prep Date:	10/17/2022	Analysis Date: 10/17/2022	SeqNo: 3294715	Units: mg/Kg	
Analyte		Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit Qual
Chloride		ND 1.5			
Sample ID:	LCS-70881	SampType: LCS	TestCode: EPA Method	300.0: Anions	
Client ID:	LCSS	Batch ID: 70881	RunNo: 91844		
Prep Date:	10/17/2022	Analysis Date: 10/17/2022	SeqNo: 3294716	Units: mg/Kg	
Analyte		Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit Qual
Chloride		14 1.5 15.00	0 95.2 90	110	
Sample ID:	MB-70907	SampType: mblk	TestCode: EPA Method	300.0: Anions	
Client ID:	PBS	Batch ID: 70907	RunNo: 91893		
Prep Date:	10/18/2022	Analysis Date: 10/18/2022	SeqNo: 3295883	Units: mg/Kg	
Analyte		Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit Qual
Chloride		ND 1.5			
Sample ID:	LCS-70907	SampType: Ics	TestCode: EPA Method	300.0: Anions	
Client ID:	LCSS	Batch ID: 70907	RunNo: 91893		
Prep Date:	10/18/2022	Analysis Date: 10/18/2022	SeqNo: 3295884	Units: mg/Kg	
		Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit Qual
Analyte				riigiteittiit 70101 D	THE DENTIL

Qualifiers:

- Value exceeds Maximum Contaminant Level. *
- D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix interference S
- В Analyte detected in the associated Method Blank
- Е Estimated value
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

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QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

	esources Services, Inc. itas 27 CTB 1							
Sample ID: LCS-70879	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics						
Client ID: LCSS	Batch ID: 70879	RunNo: 91878						
Prep Date: 10/17/2022	Analysis Date: 10/18/2022	SeqNo: 3294924 Units: %Rec						
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual						
Surr: DNOP	6.0 5.000	121 21 129						
Sample ID: LCSD-70879	SampType: LCSD	TestCode: EPA Method 8015M/D: Diesel Range Organics						
Client ID: LCSS02	Batch ID: 70879	RunNo: 91878						
Prep Date: 10/17/2022	Analysis Date: 10/18/2022	SeqNo: 3294925 Units: %Rec						
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual						
Surr: DNOP	5.7 5.000	113 21 129 0 0						
Sample ID: MB-70879	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics						
Client ID: PBS	Batch ID: 70879	RunNo: 91878						
Prep Date: 10/17/2022	Analysis Date: 10/18/2022	SeqNo: 3294926 Units: %Rec						
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual						
Surr: DNOP	14 10.00	142 21 129 S						
Sample ID: LCS-70858	SampType: LCS TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: LCSS	Batch ID: 70858	RunNo: 91878						
Prep Date: 10/17/2022	Analysis Date: 10/18/2022	SeqNo: 3295724 Units: mg/Kg						
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual						
Diesel Range Organics (DRO)	68 15 50.00	0 135 64.4 127 S						
Surr: DNOP	7.2 5.000	143 21 129 S						
Sample ID: MB-70858	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics						
Client ID: PBS	Batch ID: 70858	RunNo: 91878						
Prep Date: 10/17/2022	Analysis Date: 10/18/2022	SeqNo: 3295728 Units: mg/Kg						
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual						
Diesel Range Organics (DRO)	ND 15							
Motor Oil Range Organics (MRO) Surr: DNOP	ND 50 12 10.00	115 21 129						
		110 21 120						
Sample ID: 2210780-001AMS	SampType: MS	TestCode: EPA Method 8015M/D: Diesel Range Organics						
Client ID: BES22-86 2'	SampType: MS Batch ID: 70858	RunNo: 91878						
Client ID: BES22-86 2' Prep Date: 10/17/2022	SampType: MS Batch ID: 70858 Analysis Date: 10/18/2022	RunNo: 91878 SeqNo: 3296140 Units: mg/Kg						
Client ID: BES22-86 2' Prep Date: 10/17/2022 Analyte	SampType: MS Batch ID: 70858 Analysis Date: 10/18/2022 Result PQL SPK value	RunNo: 91878 SeqNo: 3296140 Units: mg/Kg SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual						
Client ID: BES22-86 2' Prep Date: 10/17/2022	SampType: MS Batch ID: 70858 Analysis Date: 10/18/2022	RunNo: 91878 SeqNo: 3296140 Units: mg/Kg						

Qualifiers:

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

S % Recovery outside of range due to dilution or matrix interference

B Analyte detected in the associated Method Blank

E Estimated value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

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2210780

24-Oct-22

^{*} Value exceeds Maximum Contaminant Level.

Client: Project:	Vertex Rea Papas Frit			Inc.							
Sample ID:	2210780-001AMSD	SampT	ype: MS	SD	Tes	stCode: EF	PA Method	8015M/D: Die	sel Range	Organics	
Client ID:	BES22-86 2'	Batch ID: 70858 RunNo: 91878									
Prep Date:	10/17/2022	Analysis D	ate: 10)/18/2022	S	SeqNo: 32	296141	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range C	Organics (DRO)	45	14	45.13	0	99.0	36.1	154	3.78	33.9	
Surr: DNOP		4.6		4.513		103	21	129	0	0	
Sample ID:	ple ID: MB-70909 SampType: MBLK TestCode: EPA Method 8015M/D: Diesel Range Organics										
Client ID:	PBS	Batch	ID: 709	909	RunNo: 91929						
Prep Date:	10/18/2022	Analysis D	ate: 10)/19/2022	S	SeqNo: 32	297767	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range C	Organics (DRO)	ND	15								
0	e Organics (MRO)	ND	50								
Surr: DNOP		10		10.00		102	21	129			
Sample ID:	LCS-70909	SampT	ype: LC	S	Tes	tCode: EF	PA Method	8015M/D: Die	sel Range	Organics	
Client ID:	LCSS	Batch	ID: 709	909	F	RunNo: 9 1	929				
Prep Date:	10/18/2022	Analysis D	ate: 10)/19/2022	S	SeqNo: 32	297768	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range C	Organics (DRO)	52	15	50.00	0	105	64.4	127			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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2210780

24-Oct-22

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

Client: Project:	Vertex Re Papas Frit			Inc.							
Sample ID:	mb-70851	SampT	уре: МЕ	BLK	Tes	tCode: EF	PA Method	8015D: Gaso	line Range		
Client ID:	PBS	Batcl	n ID: 708	851	F	RunNo: 9	1849				
Prep Date:	10/15/2022	Analysis E	Date: 10	/17/2022	5	SeqNo: 32	293599	Units: mg/K	(g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Rang Surr: BFB	e Organics (GRO)	ND 840	5.0	1000		83.9	37.7	212			
Sample ID:	lcs-70851	SampT	ype: LC	s	Tes	tCode: EF	PA Method	8015D: Gaso	line Range		
Client ID:	LCSS	Batcl	n ID: 708	351	F	RunNo: 9	1849				
Prep Date:	10/15/2022	Analysis E	Date: 10	/17/2022	5	SeqNo: 32	293600	Units: mg/K	(g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
-	e Organics (GRO)	25	5.0	25.00	0	99.3	72.3	137			
Surr: BFB		1800		1000		185	37.7	212			
Sample ID:	2210780-001ams	SampT	уре: МS	;	Tes	tCode: EF	PA Method	8015D: Gaso	line Range		
Client ID:	BES22-86 2'	Batcl	n ID: 708	351	F	RunNo: 9 1	1849				
Prep Date:	10/15/2022	Analysis E	Date: 10	/17/2022	S	SeqNo: 32	293602	Units: mg/K	(g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
-	e Organics (GRO)	24	4.9	24.65	0	98.8	70	130			
Surr: BFB		1900		986.2		189	37.7	212			
Sample ID:	2210780-001amsd	SampT	уре: МS	D	Tes	tCode: EF	PA Method	8015D: Gaso	line Range		
Client ID:	BES22-86 2'	Batcl	n ID: 708	351	F	RunNo: 9 1	1849				
Prep Date:	10/15/2022	Analysis E	Date: 10	/17/2022	Ş	SeqNo: 32	293603	Units: mg/K	(g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
-	e Organics (GRO)	23	4.9	24.63	0	93.9	70	130	5.25	20	
Surr: BFB		1800		985.2		186	37.7	212	0	0	
Sample ID:	lcs-70872	SampT	ype: LC	s	Tes	tCode: EF	PA Method	8015D: Gaso	line Range		
Client ID:	LCSS	Batcl	n ID: 708	372	F	RunNo: 9 1	1908				
Prep Date:	10/17/2022	Analysis E	Date: 10	/18/2022	Ş	SeqNo: 32	296480	Units: mg/K	(g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Ŭ	e Organics (GRO)	20	5.0	25.00	0	80.3	72.3	137			
Surr: BFB		2000		1000		203	37.7	212			
Sample ID:	mb-70872	SampT	уре: МЕ	BLK	Tes	tCode: EF	PA Method	8015D: Gaso	line Range		
Client ID:	PBS	Batcl	n ID: 708	372	F	RunNo: 9 1	1908				
Prep Date:	10/17/2022	Analysis E	Date: 10	/18/2022	5	SeqNo: 32	296481	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

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

PQL Practical Quanitative Limit

- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range

RL Reporting Limit

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2210780

24-Oct-22

WO#:

WO#:	2210780
	24-Oct-22

Client: Project:	Vertex Re Papas Frit			Inc.							
Sample ID:	mb-70872	SampT	уре: МЕ	BLK	Tes	tCode: EF	PA Method	8015D: Gasol	line Range	1	
Client ID:	PBS	Batch	n ID: 708	372	F	RunNo: 91	1908				
Prep Date:	10/17/2022	Analysis D)ate: 10	/18/2022	Ş	SeqNo: 32	296481	Units: mg/K	(g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Rang Surr: BFB	e Organics (GRO)	ND 980	5.0	1000		97.6	37.7	212			
Sample ID:	2210780-021ams	SampT	уре: МS	6	Tes	tCode: EF	PA Method	8015D: Gaso	line Range	1	
Client ID:	WES22-09 1'	Batch	n ID: 708	372	F	RunNo: 91	1908				
Prep Date:	10/17/2022	Analysis D	Date: 10	/18/2022	S	SeqNo: 32	296483	Units: mg/K	(g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Rang	e Organics (GRO)	21	5.0	24.85	0	86.4	70	130			
Surr: BFB		2100		994.0		211	37.7	212			
Sample ID:	2210780-021amsd	SampT	уре: МS	SD.	Tes	tCode: EF	PA Method	8015D: Gaso	line Range	1	
Client ID:	WES22-09 1'	Batch	n ID: 708	372	F	RunNo: 91	1908				
Prep Date:	10/17/2022	Analysis D)ate: 10	/18/2022	S	SeqNo: 32	296484	Units: mg/K	ſg		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Rang	e Organics (GRO)	22	5.0	24.78	0	87.1	70	130	0.486	20	
-											

Qualifiers:

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

PQL Practical Quanitative Limit

- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Client: Project:	Vertex Re Papas Frit			Inc.							
Sample ID:	mb-70851	Samp	Гуре: МЕ	BLK	Tes	stCode: EF	PA Method	8021B: Volat	iles		
Client ID:	PBS	Batc	h ID: 708	851	F	RunNo: 91	1849				
Prep Date:	10/15/2022	Analysis [Date: 10	/17/2022	ę	SeqNo: 32	293645	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene		ND	0.025								
Toluene		ND	0.050								
Ethylbenzene		ND	0.050								
Xylenes, Total		ND	0.10								
Surr: 4-Bron	nofluorobenzene	0.92		1.000		92.2	70	130			
Sample ID:	LCS-70851	Samp ⁻	Гуре: LC	s	Tes	stCode: EF	PA Method	8021B: Volat	iles		
Client ID:	LCSS	Batc	h ID: 708	351	F	RunNo: 9 1	1849				
Prep Date:	10/15/2022	Analysis [Date: 10	/17/2022	Ş	SeqNo: 32	293646	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene		0.92	0.025	1.000	0	91.8	80	120			
Toluene		0.94	0.050	1.000	0	94.2	80	120			
Ethylbenzene		0.95	0.050	1.000	0	95.2	80	120			
Xylenes, Total		2.8	0.10	3.000	0	93.7	80	120			
Surr: 4-Bron	nofluorobenzene	0.96		1.000		96.1	70	130			
Sample ID:	2210780-002ams	Samp ⁻	Гуре: МS	;	Tes	stCode: EF	PA Method	8021B: Volat	iles		
Client ID:	BES22-87 2'	Batc	h ID: 708	851	F	RunNo: 9 1	1849				
Prep Date:	10/15/2022	Analysis [Date: 10	/17/2022	:	SeqNo: 32	293649	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene		0.90	0.025	0.9804	0	92.1	68.8	120			
Toluene		0.94	0.049	0.9804	0.01249	94.8	73.6	124			
Ethylbenzene		0.95	0.049	0.9804	0	97.1	72.7	129			
Xylenes, Total		2.9	0.098	2.941	0.01849	96.9	75.7	126			
Surr: 4-Bron	nofluorobenzene	0.93		0.9804		95.3	70	130			
Sample ID:	2210780-002amsd	Samp	Гуре: МS	D	Tes	stCode: EF	PA Method	8021B: Volat	iles		
Client ID:	BES22-87 2'	Batc	h ID: 708	351	F	RunNo: 9 1	1849				
Prep Date:	10/15/2022	Analysis [Date: 10	/17/2022	Ş	SeqNo: 32	293650	Units: mg/K	g		
Analyte		Result	PQL		SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene		0.94	0.025	0.9872	0	95.4	68.8	120	4.22	20	
Toluene		0.98	0.049	0.9872	0.01249	98.4	73.6	124	4.33	20	
Ethylbenzene		1.0	0.049	0.9872	0	102	72.7	129	5.49	20	
Xylenes, Total		3.0	0.099	2.962	0.01849	100	75.7	126	3.94	20	
Surr: 4-Brom	nofluorobenzene	0.96		0.9872		97.6	70	130	0	0	

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix interference S
- Analyte detected in the associated Method Blank В
- Е Estimated value
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- Reporting Limit RL

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2210780

24-Oct-22

WO#:

	ex Resources S as Fritas 27 CT	,	Inc.							
Sample ID: Ics-70872	Samp	Type: LC	S	Tes	tCode: EF	A Method	8021B: Volati	les		
Client ID: LCSS	Batc	h ID: 708	372	F	RunNo: 9 1	908				
Prep Date: 10/17/2022	Analysis I	Date: 10	/18/2022	S	SeqNo: 32	296544	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.1	0.025	1.000	0	109	80	120			
Toluene	1.1	0.050	1.000	0	111	80	120			
Ethylbenzene	1.1	0.050	1.000	0	112	80	120			
Xylenes, Total	3.3	0.10	3.000	0	109	80	120			
Surr: 4-Bromofluorobenzene	1.1		1.000		106	70	130			
Sample ID: mb-70872	Samp	Туре: МВ	BLK	Tes	tCode: EF	A Method	8021B: Volati	les		
Client ID: PBS	Batc	h ID: 708	372	F	RunNo: 9 1	908				
Prep Date: 10/17/2022	Analysis I	Date: 10	/18/2022	5	SeqNo: 32	296545	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.1		1.000		107	70	130			

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix interference S
- Analyte detected in the associated Method Blank В
- Е Estimated value
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- Reporting Limit RL

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2210780

24-Oct-22

WO#:

Received by OCD: 12/2/2022 2:00:05 PM

HALL ENVIRONMENTAL ANALYSIS LABORATORY	TEL: 505-345-3	ntal Analysis Labor 4901 Hawki Albuquerque, NM & 975 FAX: 505-345 v.hallenvironmenta	ns NE 87109 San -4107	nple Log-In Ch	eck List
Client Name: Vertex Resources Services, Inc.	Work Order Numl	ber: 2210780		RcptNo: 1	
Received By: Cheyenne Cason	10/15/2022 8:40:00	AM	cheal Cheal		
Completed By: Cheyenne Cason	10/15/2022 9:24:07	AM	chul		
Reviewed By: (10/15/2022					
Chain of Custody			-12.2		
1. Is Chain of Custody complete?		Yes 🗹	No 🗌	Not Present	
2. How was the sample delivered?		Courier			
Log In 3. Was an attempt made to cool the sam	ples?	Yes 🔽	No 🗌		
4. Were all samples received at a temper	ature of >0° C to 6.0°C	Yes 🔽	No 🗌		
5. Sample(s) in proper container(s)?		Yes 🔽	No 🗌		
6. Sufficient sample volume for indicated	test(s)?	Yes 🔽	No 🗌		
7. Are samples (except VOA and ONG) p	roperly preserved?	Yes 🔽	No 🗌		
8. Was preservative added to bottles?		Yes 🗌	No 🔽	NA 🗌	
9. Received at least 1 vial with headspace	e <1/4" for AQ VOA?	Yes	No 🗌	NA 🗹	/
0. Were any sample containers received	broken?	Yes 🛄	No 🗹	# of preserved bottles checked	
1. Does paperwork match bottle labels? (Note discrepancies on chain of custod	iy)	Yes 🗹	No 🗌	for pH: (<2 or >	12 unless noted)
2. Are matrices correctly identified on Cha	ain of Custody?	Yes 🗹	No 🗌	Adjusted?	
3. Is it clear what analyses were requeste	ed?	Yes 🔽	No 🗌	1	1.1.0
4. Were all holding times able to be met? (If no, notify customer for authorization		Yes 🗹	No 🗌	Checked by:	n 10/15/2
Special Handling (if applicable)				1	
15. Was client notified of all discrepancies	s with this order?	Yes 🗌	No 🗌	NA 🗹	
Person Notified:	Date	E:			
By Whom:	Via:	🗌 eMail 🗌	Phone 🗌 Fax	In Person	
Regarding: Client Instructions:					
16. Additional remarks:					
 17. <u>Cooler Information</u> Cooler No Temp °C Condition 1 1.1 Good 	n Seal Intact Seal No Not Present	Seal Date	Signed By		

Page 1 of 1

ceived by	>				122-2	00:	05 PM •																	<u>Page</u>	<u>222 of</u>
HALL ENVIRONMENT	ANALYSTS I ABORATOP		4901 Hawkins NF - Alburnerule NM 87109		rei. 000-040-0970 Frax 000-540-4107 Analysis Request	*0 (0	PO4, S ISIMS PCB's D / MR4	О ^{3,} 3270 1) 282	/ 0)8\s .40 .40 .70 8 0 / /	VO 10 3 10 9 10 9 10 9 10 9 10 9	ethc ethc Me Me Me Me Me Me	ВТЕХ ВТЕХ ВТЕХ ВТЕХ ВТЕЗ		-										Remarks: CC: CHANCE DIXON	
Time	Standard Rush	Project Name:	PGPQS EN' + 95 27 CTB 1	Project #:	225-01417	Project Manager:	Kent stanings		On Ice: 24 Yes DNo		Cooler Temp(Including CF): [, [~ 0 ~ 1. (°C)	Container Preservative HEAL No.	ICC 013	1 1 014	015	016	017	018	Clq	020	021	Com lotter		Multiure Re Time Re	
Chain-of-Custody Record	DEVON/VECHIX	map	Mailing Address:	-	Phone #:	email or Fax#:	CAVQC Package: □ Standard □ Level 4 (Full Validation)	Accreditation: Accreditation: Accreditation	□ NELAC □ Other_	EDD (Type)		Date Time Matrix Sample Name	10113 2:00 5011 BESZ-101 4'	Z:05 &ESZ2-103 Z'	2:10 8552-105 2'	Z.15 BESZZ-1674	Z:20 BESZ-110 21	Z:25 BESZZ-11) Z'	z:30 BESZZ-112 Z'	Z:35 BE52-113 21	2:45 60-225-09 1'		ŀ	10114 P30 Carter	Date: Time: Relinquished by:

with a notice of this providently. Any sut

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	ANAL ENVIRONMENIAL ANALVETS LARODATODY	www.nanenvirolinientan.com 4901 Hawkins NF - Alburnerana NM 87100	1.5	Anal	(11 (11	os '≉c swi)d IS0	(1. .2010 .501	04.00 9 10 8 10 8 10 8 10 10 10 10 10 10 10 10 10 10 10 10 10 1	01 5 103, 103,	odte 88 v 9M (AC	EDB (Md 32CRA 8 3250 (Yo 3250 (So 51, F, B 5270 (So 521 Co	3 3 3												CC! Chance Dixon	Direct Bill Devon	
Turn-Around Time: Z-Day	Standard	Papas Frizas 27 CIB 1 490	Project #: Tal	ZZE-01417		Stainings (802 R	03	, DR	Ves DNo	olers: (Container Preservative HEAL No. X TYDE and # Type	ICC 001	1	C03		572	coc	607	008	004	010	Cui		Via: Date T	Received by: Via: Date Time	200
Chain-of-Custody Record	Client: DENON/VEREX	Mailing Address:		Phone #:	email or Fax#:	age:	Standard Level 4 (Full Validation)	on: 🗆 Az Compliance	Other	(pe)		Date Time Matrix Sample Name 1	12	10/13 1.05 r BESZ-87 Z'	1510 BESZZ-88 Z	1:15 BES22-89 Z'	1:20 BESZZ-91 2'	1:25 BESZZ-92 2'	1:30 BESZ2-93 Z'	1:35 8522-94 2'	1:40 8552-97 2'	1:415 BESZZ-98 2'	1:50 BESZ2-99 2'	1:55 3552-100 21	Time: Relinquished by:	2	



October 27, 2022

Kent Stallings Devon Energy 6488 Seven Rivers Highway Artesia, NM 88210 TEL: (505) 350-1336 FAX: Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

OrderNo.: 2210837

RE: Papas Fritas 27 CTB1

Dear Kent Stallings:

Hall Environmental Analysis Laboratory received 37 sample(s) on 10/18/2022 for the analyses presented in the following report.

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

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

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

Sincerely,

Inder

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

Project: Papas Fritas 27 CTB1

Analytical Report
Lab Order 2210837

Date Reported: 10/27/2022

Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: BES22-48 2.5' Collection Date: 10/14/2022 12:00:00 PM Received Date: 10/18/2022 7:30:00 AM

Lab ID: 2210837-001	Matrix: SOIL	Rece	ived Date:	10/18/	2022 7:30:00 AM
Analyses	Result	RL Qua	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst: SB
Diesel Range Organics (DRO)	ND	15	mg/Kg	1	10/20/2022 1:30:33 AM
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	10/20/2022 1:30:33 AM
Surr: DNOP	104	21-129	%Rec	1	10/20/2022 1:30:33 AM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	10/19/2022 11:41:00 AM
Surr: BFB	96.4	37.7-212	%Rec	1	10/19/2022 11:41:00 AM
EPA METHOD 8021B: VOLATILES					Analyst: CCM
Benzene	ND	0.024	mg/Kg	1	10/19/2022 11:41:00 AM
Toluene	ND	0.048	mg/Kg	1	10/19/2022 11:41:00 AM
Ethylbenzene	ND	0.048	mg/Kg	1	10/19/2022 11:41:00 AM
Xylenes, Total	ND	0.096	mg/Kg	1	10/19/2022 11:41:00 AM
Surr: 4-Bromofluorobenzene	109	70-130	%Rec	1	10/19/2022 11:41:00 AM
EPA METHOD 300.0: ANIONS					Analyst: NAI
Chloride	ND	60	mg/Kg	20	10/19/2022 10:33:41 PM

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

Qualifiers:

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

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Project:

Papas Fritas 27 CTB1

Analytical Report Lab Order 2210837 Date Reported: 10/27/2022

Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: BES22-49 2.5' Collection Date: 10/14/2022 12:05:00 PM Received Date: 10/18/2022 7:30:00 AM

Lab ID: 2210837-002	Matrix: SOIL	Recei	ived Date:	10/18/	2022 7:30:00 AM
Analyses	Result	RL Qua	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst: SB
Diesel Range Organics (DRO)	ND	14	mg/Kg	1	10/20/2022 2:10:54 AM
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	10/20/2022 2:10:54 AM
Surr: DNOP	89.9	21-129	%Rec	1	10/20/2022 2:10:54 AM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: CCM
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	10/19/2022 12:40:00 PM
Surr: BFB	95.3	37.7-212	%Rec	1	10/19/2022 12:40:00 PM
EPA METHOD 8021B: VOLATILES					Analyst: CCM
Benzene	ND	0.025	mg/Kg	1	10/19/2022 12:40:00 PM
Toluene	ND	0.050	mg/Kg	1	10/19/2022 12:40:00 PM
Ethylbenzene	ND	0.050	mg/Kg	1	10/19/2022 12:40:00 PM
Xylenes, Total	ND	0.099	mg/Kg	1	10/19/2022 12:40:00 PM
Surr: 4-Bromofluorobenzene	108	70-130	%Rec	1	10/19/2022 12:40:00 PM
EPA METHOD 300.0: ANIONS					Analyst: NAI
Chloride	ND	60	mg/Kg	20	10/19/2022 10:46:06 PM

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

Qualifiers:

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

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Project:

Papas Fritas 27 CTB1

Analytical Report
Lab Order 2210837

Date Reported: 10/27/2022

Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: BES22-50 2.5' Collection Date: 10/14/2022 12:10:00 PM Received Date: 10/18/2022 7:30:00 AM

Lab ID: 2210837-003	Matrix: SOIL	Recei	ived Date:	10/18/	2022 7:30:00 AM
Analyses	Result	RL Qua	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst: SB
Diesel Range Organics (DRO)	ND	14	mg/Kg	1	10/20/2022 2:24:21 AM
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	10/20/2022 2:24:21 AM
Surr: DNOP	103	21-129	%Rec	1	10/20/2022 2:24:21 AM
EPA METHOD 8015D: GASOLINE RANG	E				Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.6	mg/Kg	1	10/19/2022 1:39:00 PM
Surr: BFB	92.3	37.7-212	%Rec	1	10/19/2022 1:39:00 PM
EPA METHOD 8021B: VOLATILES					Analyst: CCM
Benzene	ND	0.023	mg/Kg	1	10/19/2022 1:39:00 PM
Toluene	ND	0.046	mg/Kg	1	10/19/2022 1:39:00 PM
Ethylbenzene	ND	0.046	mg/Kg	1	10/19/2022 1:39:00 PM
Xylenes, Total	ND	0.092	mg/Kg	1	10/19/2022 1:39:00 PM
Surr: 4-Bromofluorobenzene	105	70-130	%Rec	1	10/19/2022 1:39:00 PM
EPA METHOD 300.0: ANIONS					Analyst: NAI
Chloride	ND	60	mg/Kg	20	10/19/2022 11:23:19 PM

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

Qualifiers:

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

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Project: Papas Fritas 27 CTB1

Analytical Report Lab Order 2210837

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 10/27/2022 Client Sample ID: BES22-51 2.5' Collection Date: 10/14/2022 12:15:00 PM

Lab ID: 2210837-004	Matrix: SOIL	Reco	eived Date:	10/18/	/2022 7:30:00 AM
Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RAM	IGE ORGANICS				Analyst: SB
Diesel Range Organics (DRO)	ND	14	mg/Kg	1	10/20/2022 2:37:41 AM
Motor Oil Range Organics (MRO)	ND	46	mg/Kg	1	10/20/2022 2:37:41 AM
Surr: DNOP	105	21-129	%Rec	1	10/20/2022 2:37:41 AM
EPA METHOD 8015D: GASOLINE RA	NGE				Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	10/19/2022 1:58:00 PM
Surr: BFB	91.3	37.7-212	%Rec	1	10/19/2022 1:58:00 PM
EPA METHOD 8021B: VOLATILES					Analyst: CCM
Benzene	ND	0.024	mg/Kg	1	10/19/2022 1:58:00 PM
Toluene	ND	0.048	mg/Kg	1	10/19/2022 1:58:00 PM
Ethylbenzene	ND	0.048	mg/Kg	1	10/19/2022 1:58:00 PM
Xylenes, Total	ND	0.097	mg/Kg	1	10/19/2022 1:58:00 PM
Surr: 4-Bromofluorobenzene	106	70-130	%Rec	1	10/19/2022 1:58:00 PM
EPA METHOD 300.0: ANIONS					Analyst: NAI
Chloride	ND	60	mg/Kg	20	10/20/2022 12:25:21 AM

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

Qualifiers:

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

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Project: Lab ID: Papas Fritas 27 CTB1

2210837-005

Analytical Report
Lab Order 2210837

Date Reported: 10/27/2022

Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: BES22-52 2.5' Collection Date: 10/14/2022 12:20:00 PM Received Date: 10/18/2022 7:30:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed		
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst: SB		
Diesel Range Organics (DRO)	ND	14	mg/Kg	1	10/20/2022 2:51:04 AM		
Motor Oil Range Organics (MRO)	ND	46	mg/Kg	1	10/20/2022 2:51:04 AM		
Surr: DNOP	105	21-129	%Rec	1	10/20/2022 2:51:04 AM		
EPA METHOD 8015D: GASOLINE RANGE					Analyst: CCM		
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	10/19/2022 2:18:00 PM		
Surr: BFB	97.0	37.7-212	%Rec	1	10/19/2022 2:18:00 PM		
EPA METHOD 8021B: VOLATILES					Analyst: CCM		
Benzene	ND	0.024	mg/Kg	1	10/19/2022 2:18:00 PM		
Toluene	ND	0.048	mg/Kg	1	10/19/2022 2:18:00 PM		
Ethylbenzene	ND	0.048	mg/Kg	1	10/19/2022 2:18:00 PM		
Xylenes, Total	ND	0.095	mg/Kg	1	10/19/2022 2:18:00 PM		
Surr: 4-Bromofluorobenzene	106	70-130	%Rec	1	10/19/2022 2:18:00 PM		
EPA METHOD 300.0: ANIONS					Analyst: NAI		
Chloride	ND	60	mg/Kg	20	10/20/2022 12:37:45 AM		

Matrix: SOIL

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

Qualifiers:

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

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Papas Fritas 27 CTB1

Project:

Analytical Report Lab Order 2210837 Date Reported: 10/27/2022

Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: BES22-53 2.5' Collection Date: 10/14/2022 12:25:00 PM Received Date: 10/18/2022 7:30:00 AM

Lab ID: 2210837-006	Matrix: SOIL	Rece	Received Date: 10/18/2022 7:30:00 At				
Analyses	Result	RL Qua	al Units	DF	Date Analyzed		
EPA METHOD 8015M/D: DIESEL RANG	E ORGANICS				Analyst: SB		
Diesel Range Organics (DRO)	ND	15	mg/Kg	1	10/20/2022 3:04:18 AM		
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	10/20/2022 3:04:18 AM		
Surr: DNOP	105	21-129	%Rec	1	10/20/2022 3:04:18 AM		
EPA METHOD 8015D: GASOLINE RANG	GE				Analyst: CCM		
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	10/19/2022 2:38:00 PM		
Surr: BFB	95.2	37.7-212	%Rec	1	10/19/2022 2:38:00 PM		
EPA METHOD 8021B: VOLATILES					Analyst: CCM		
Benzene	ND	0.024	mg/Kg	1	10/19/2022 2:38:00 PM		
Toluene	ND	0.048	mg/Kg	1	10/19/2022 2:38:00 PM		
Ethylbenzene	ND	0.048	mg/Kg	1	10/19/2022 2:38:00 PM		
Xylenes, Total	ND	0.096	mg/Kg	1	10/19/2022 2:38:00 PM		
Surr: 4-Bromofluorobenzene	109	70-130	%Rec	1	10/19/2022 2:38:00 PM		
EPA METHOD 300.0: ANIONS					Analyst: NAI		
Chloride	ND	60	mg/Kg	20	10/20/2022 12:50:10 AM		

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

Qualifiers:

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

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Project:

Papas Fritas 27 CTB1

Analytical Report
Lab Order 2210837

Date Reported: 10/27/2022

Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: BES22-54 2.5' Collection Date: 10/14/2022 12:30:00 PM Received Date: 10/18/2022 7:30:00 AM

Lab ID: 2210837-007	Matrix: SOIL	Rece	Received Date: 10/18/2022 7:30:00 AM				
Analyses	Result	RL Qua	al Units	DF	Date Analyzed		
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst: SB		
Diesel Range Organics (DRO)	ND	15	mg/Kg	1	10/20/2022 3:17:38 AM		
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	10/20/2022 3:17:38 AM		
Surr: DNOP	103	21-129	%Rec	1	10/20/2022 3:17:38 AM		
EPA METHOD 8015D: GASOLINE RANGE	E				Analyst: CCM		
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	10/19/2022 2:57:00 PM		
Surr: BFB	96.5	37.7-212	%Rec	1	10/19/2022 2:57:00 PM		
EPA METHOD 8021B: VOLATILES					Analyst: CCM		
Benzene	ND	0.024	mg/Kg	1	10/19/2022 2:57:00 PM		
Toluene	ND	0.049	mg/Kg	1	10/19/2022 2:57:00 PM		
Ethylbenzene	ND	0.049	mg/Kg	1	10/19/2022 2:57:00 PM		
Xylenes, Total	ND	0.097	mg/Kg	1	10/19/2022 2:57:00 PM		
Surr: 4-Bromofluorobenzene	107	70-130	%Rec	1	10/19/2022 2:57:00 PM		
EPA METHOD 300.0: ANIONS					Analyst: NAI		
Chloride	ND	60	mg/Kg	20	10/20/2022 1:02:34 AM		

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

Qualifiers:

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

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Project:

Papas Fritas 27 CTB1

Analytical Report
Lab Order 2210837

Date Reported: 10/27/2022

Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: BES22-55 2.5' Collection Date: 10/14/2022 12:35:00 PM Received Date: 10/18/2022 7:30:00 AM

Lab ID: 2210837-008	Matrix: SOIL	Recei	Received Date: 10/18/2022 7:30:00 AM				
Analyses	Result	RL Qua	l Units	DF	Date Analyzed		
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst: SB		
Diesel Range Organics (DRO)	ND	15	mg/Kg	1	10/20/2022 3:30:56 AM		
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	10/20/2022 3:30:56 AM		
Surr: DNOP	100	21-129	%Rec	1	10/20/2022 3:30:56 AM		
EPA METHOD 8015D: GASOLINE RANGE	E				Analyst: CCM		
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	10/19/2022 3:17:00 PM		
Surr: BFB	92.1	37.7-212	%Rec	1	10/19/2022 3:17:00 PM		
EPA METHOD 8021B: VOLATILES					Analyst: CCM		
Benzene	ND	0.024	mg/Kg	1	10/19/2022 3:17:00 PM		
Toluene	ND	0.048	mg/Kg	1	10/19/2022 3:17:00 PM		
Ethylbenzene	ND	0.048	mg/Kg	1	10/19/2022 3:17:00 PM		
Xylenes, Total	ND	0.095	mg/Kg	1	10/19/2022 3:17:00 PM		
Surr: 4-Bromofluorobenzene	107	70-130	%Rec	1	10/19/2022 3:17:00 PM		
EPA METHOD 300.0: ANIONS					Analyst: NAI		
Chloride	ND	60	mg/Kg	20	10/20/2022 1:14:59 AM		

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

Qualifiers:

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

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Papas Fritas 27 CTB1

Project:

Analytical Report
Lab Order 2210837

Date Reported: 10/27/2022

Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: BES22-56 2.5' Collection Date: 10/14/2022 12:40:00 PM Received Date: 10/18/2022 7:30:00 AM

Lab ID: 2210837-009	Matrix: SOIL	Matrix: SOIL Received Date: 10/18/202				
Analyses	Result	RL Qua	al Units	DF	Date Analyzed	
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst: SB	
Diesel Range Organics (DRO)	ND	14	mg/Kg	1	10/20/2022 3:44:10 AM	
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	10/20/2022 3:44:10 AM	
Surr: DNOP	102	21-129	%Rec	1	10/20/2022 3:44:10 AM	
EPA METHOD 8015D: GASOLINE RANG	E				Analyst: CCM	
Gasoline Range Organics (GRO)	ND	4.6	mg/Kg	1	10/19/2022 3:37:00 PM	
Surr: BFB	98.6	37.7-212	%Rec	1	10/19/2022 3:37:00 PM	
EPA METHOD 8021B: VOLATILES					Analyst: CCM	
Benzene	ND	0.023	mg/Kg	1	10/19/2022 3:37:00 PM	
Toluene	ND	0.046	mg/Kg	1	10/19/2022 3:37:00 PM	
Ethylbenzene	ND	0.046	mg/Kg	1	10/19/2022 3:37:00 PM	
Xylenes, Total	ND	0.093	mg/Kg	1	10/19/2022 3:37:00 PM	
Surr: 4-Bromofluorobenzene	111	70-130	%Rec	1	10/19/2022 3:37:00 PM	
EPA METHOD 300.0: ANIONS					Analyst: NAI	
Chloride	ND	60	mg/Kg	20	10/20/2022 1:27:24 AM	

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

Qualifiers:

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

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Project: Papas Fritas 27 CTB1

Analytical Report Lab Order 2210837

Date Reported: 10/27/2022

Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: BES22-57 2.5' Collection Date: 10/14/2022 12:45:00 PM

Lab ID: 2210837-010	Matrix: SOIL	Rece	2022 7:30:00 AM		
Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RAN	IGE ORGANICS				Analyst: SB
Diesel Range Organics (DRO)	ND	14	mg/Kg	1	10/20/2022 3:57:27 AM
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	10/20/2022 3:57:27 AM
Surr: DNOP	102	21-129	%Rec	1	10/20/2022 3:57:27 AM
EPA METHOD 8015D: GASOLINE RA	NGE				Analyst: CCM
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	10/19/2022 3:57:00 PM
Surr: BFB	97.6	37.7-212	%Rec	1	10/19/2022 3:57:00 PM
EPA METHOD 8021B: VOLATILES					Analyst: CCM
Benzene	ND	0.025	mg/Kg	1	10/19/2022 3:57:00 PM
Toluene	ND	0.050	mg/Kg	1	10/19/2022 3:57:00 PM
Ethylbenzene	ND	0.050	mg/Kg	1	10/19/2022 3:57:00 PM
Xylenes, Total	ND	0.099	mg/Kg	1	10/19/2022 3:57:00 PM
Surr: 4-Bromofluorobenzene	110	70-130	%Rec	1	10/19/2022 3:57:00 PM
EPA METHOD 300.0: ANIONS					Analyst: NAI
Chloride	ND	60	mg/Kg	20	10/20/2022 1:39:48 AM

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

Qualifiers:

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

Holding times for preparation or analysis exceeded Н

- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit

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

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

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Project:

Papas Fritas 27 CTB1

Analytical Report Lab Order 2210837

Date Reported: 10/27/2022

Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: BES22-58 2.5' Collection Date: 10/14/2022 12:50:00 PM Received Date: 10/18/2022 7:30:00 AM

Lab ID: 2210837-011	Matrix: SOIL	Rece	Received Date: 10/18/2022 7:30:00 AM				
Analyses	Result	RL Qu	al Units	DF	Date Analyzed		
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst: SB		
Diesel Range Organics (DRO)	ND	15	mg/Kg	1	10/20/2022 4:10:33 AM		
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	10/20/2022 4:10:33 AM		
Surr: DNOP	104	21-129	%Rec	1	10/20/2022 4:10:33 AM		
EPA METHOD 8015D: GASOLINE RANGE	E				Analyst: CCM		
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	10/19/2022 4:36:00 PM		
Surr: BFB	90.9	37.7-212	%Rec	1	10/19/2022 4:36:00 PM		
EPA METHOD 8021B: VOLATILES					Analyst: CCM		
Benzene	ND	0.023	mg/Kg	1	10/19/2022 4:36:00 PM		
Toluene	ND	0.047	mg/Kg	1	10/19/2022 4:36:00 PM		
Ethylbenzene	ND	0.047	mg/Kg	1	10/19/2022 4:36:00 PM		
Xylenes, Total	ND	0.093	mg/Kg	1	10/19/2022 4:36:00 PM		
Surr: 4-Bromofluorobenzene	103	70-130	%Rec	1	10/19/2022 4:36:00 PM		
EPA METHOD 300.0: ANIONS					Analyst: NAI		
Chloride	ND	60	mg/Kg	20	10/20/2022 1:52:12 AM		

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

Qualifiers:

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

Н Holding times for preparation or analysis exceeded

- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit

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

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

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Project:

Papas Fritas 27 CTB1

Analytical Report Lab Order 2210837 Date Reported: 10/27/2022

Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: BES22-59 2.5' Collection Date: 10/14/2022 12:55:00 PM Received Date: 10/18/2022 7:30:00 AM

Lab ID: 2210837-012	Matrix: SOIL	Recei	Received Date: 10/18/2022 7:30:00 AM				
Analyses	Result	RL Qua	al Units	DF	Date Analyzed		
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst: SB		
Diesel Range Organics (DRO)	ND	15	mg/Kg	1	10/20/2022 4:23:50 AM		
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	10/20/2022 4:23:50 AM		
Surr: DNOP	105	21-129	%Rec	1	10/20/2022 4:23:50 AM		
EPA METHOD 8015D: GASOLINE RANGE					Analyst: CCM		
Gasoline Range Organics (GRO)	ND	4.6	mg/Kg	1	10/19/2022 4:55:00 PM		
Surr: BFB	94.6	37.7-212	%Rec	1	10/19/2022 4:55:00 PM		
EPA METHOD 8021B: VOLATILES					Analyst: CCM		
Benzene	ND	0.023	mg/Kg	1	10/19/2022 4:55:00 PM		
Toluene	ND	0.046	mg/Kg	1	10/19/2022 4:55:00 PM		
Ethylbenzene	ND	0.046	mg/Kg	1	10/19/2022 4:55:00 PM		
Xylenes, Total	ND	0.093	mg/Kg	1	10/19/2022 4:55:00 PM		
Surr: 4-Bromofluorobenzene	107	70-130	%Rec	1	10/19/2022 4:55:00 PM		
EPA METHOD 300.0: ANIONS					Analyst: NAI		
Chloride	ND	60	mg/Kg	20	10/20/2022 2:29:24 AM		

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

Qualifiers:

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

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Papas Fritas 27 CTB1

Project:

Analytical Report Lab Order 2210837

Date Reported: 10/27/2022

Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: BES22-60 2.5' Collection Date: 10/14/2022 1:00:00 PM Pageived Date: 10/18/2022 7:30:00 AM

Lab ID: 2210837-013	Matrix: SOIL	atrix: SOIL Received Date: 10/18/2022				
Analyses	Result	RL Qua	al Units	DF	Date Analyzed	
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst: SB	
Diesel Range Organics (DRO)	ND	14	mg/Kg	1	10/20/2022 4:36:56 AM	
Motor Oil Range Organics (MRO)	49	47	mg/Kg	1	10/20/2022 4:36:56 AM	
Surr: DNOP	104	21-129	%Rec	1	10/20/2022 4:36:56 AM	
EPA METHOD 8015D: GASOLINE RANGE	E				Analyst: CCM	
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	10/19/2022 5:15:00 PM	
Surr: BFB	94.3	37.7-212	%Rec	1	10/19/2022 5:15:00 PM	
EPA METHOD 8021B: VOLATILES					Analyst: CCM	
Benzene	ND	0.024	mg/Kg	1	10/19/2022 5:15:00 PM	
Toluene	ND	0.048	mg/Kg	1	10/19/2022 5:15:00 PM	
Ethylbenzene	ND	0.048	mg/Kg	1	10/19/2022 5:15:00 PM	
Xylenes, Total	ND	0.096	mg/Kg	1	10/19/2022 5:15:00 PM	
Surr: 4-Bromofluorobenzene	106	70-130	%Rec	1	10/19/2022 5:15:00 PM	
EPA METHOD 300.0: ANIONS					Analyst: NAI	
Chloride	ND	60	mg/Kg	20	10/20/2022 2:41:49 AM	

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

Qualifiers:

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

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Papas Fritas 27 CTB1

Project:

Analytical Report Lab Order 2210837

Date Reported: 10/27/2022

Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: BES22-61 2.5' Collection Date: 10/14/2022 1:05:00 PM Pageived Date: 10/18/2022 7:30:00 AM

Lab ID: 2210837-014	Matrix: SOIL	Rece	2022 7:30:00 AM		
Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RAN	GE ORGANICS				Analyst: SB
Diesel Range Organics (DRO)	ND	14	mg/Kg	1	10/20/2022 4:50:05 AM
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	10/20/2022 4:50:05 AM
Surr: DNOP	105	21-129	%Rec	1	10/20/2022 4:50:05 AM
EPA METHOD 8015D: GASOLINE RAM	IGE				Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	10/19/2022 5:34:00 PM
Surr: BFB	92.8	37.7-212	%Rec	1	10/19/2022 5:34:00 PM
EPA METHOD 8021B: VOLATILES					Analyst: CCM
Benzene	ND	0.024	mg/Kg	1	10/19/2022 5:34:00 PM
Toluene	ND	0.048	mg/Kg	1	10/19/2022 5:34:00 PM
Ethylbenzene	ND	0.048	mg/Kg	1	10/19/2022 5:34:00 PM
Xylenes, Total	ND	0.096	mg/Kg	1	10/19/2022 5:34:00 PM
Surr: 4-Bromofluorobenzene	102	70-130	%Rec	1	10/19/2022 5:34:00 PM
EPA METHOD 300.0: ANIONS					Analyst: NAI
Chloride	ND	60	mg/Kg	20	10/20/2022 2:54:13 AM

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

Qualifiers:

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

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Project: Papas Fritas 27 CTB1

Analytical Report Lab Order 2210837

Date Reported: 10/27/2022

Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: BES22-62 2.5' Collection Date: 10/14/2022 1:10:00 PM . JD-4-- 10/10/2022 7-20-00 AM -

Lab ID: 2210837-015	Matrix: SOIL	2022 7:30:00 AM			
Analyses	Result	RL Qua	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst: SB
Diesel Range Organics (DRO)	ND	14	mg/Kg	1	10/20/2022 5:03:11 AM
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	10/20/2022 5:03:11 AM
Surr: DNOP	98.7	21-129	%Rec	1	10/20/2022 5:03:11 AM
EPA METHOD 8015D: GASOLINE RANG	E				Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.6	mg/Kg	1	10/19/2022 5:54:00 PM
Surr: BFB	97.3	37.7-212	%Rec	1	10/19/2022 5:54:00 PM
EPA METHOD 8021B: VOLATILES					Analyst: CCM
Benzene	ND	0.023	mg/Kg	1	10/19/2022 5:54:00 PM
Toluene	ND	0.046	mg/Kg	1	10/19/2022 5:54:00 PM
Ethylbenzene	ND	0.046	mg/Kg	1	10/19/2022 5:54:00 PM
Xylenes, Total	ND	0.092	mg/Kg	1	10/19/2022 5:54:00 PM
Surr: 4-Bromofluorobenzene	107	70-130	%Rec	1	10/19/2022 5:54:00 PM
EPA METHOD 300.0: ANIONS					Analyst: NAI
Chloride	ND	60	mg/Kg	20	10/20/2022 3:06:37 AM

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

Qualifiers:

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

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Project: Papas Fritas 27 CTB1

Analytical Report
Lab Order 2210837

Date Reported: 10/27/2022

Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: BES22-63 2.5' Collection Date: 10/14/2022 1:15:00 PM Received Date: 10/18/2022 7:30:00 AM

Lab ID: 2210837-016	Matrix: SOIL	Matrix: SOILReceived Date: 10/18/202				
Analyses	Result	RL Qua	al Units	DF	Date Analyzed	
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst: SB	
Diesel Range Organics (DRO)	ND	15	mg/Kg	1	10/20/2022 5:16:14 AM	
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	10/20/2022 5:16:14 AM	
Surr: DNOP	102	21-129	%Rec	1	10/20/2022 5:16:14 AM	
EPA METHOD 8015D: GASOLINE RANG	E				Analyst: CCM	
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	10/19/2022 6:14:00 PM	
Surr: BFB	92.3	37.7-212	%Rec	1	10/19/2022 6:14:00 PM	
EPA METHOD 8021B: VOLATILES					Analyst: CCM	
Benzene	ND	0.024	mg/Kg	1	10/19/2022 6:14:00 PM	
Toluene	ND	0.049	mg/Kg	1	10/19/2022 6:14:00 PM	
Ethylbenzene	ND	0.049	mg/Kg	1	10/19/2022 6:14:00 PM	
Xylenes, Total	ND	0.098	mg/Kg	1	10/19/2022 6:14:00 PM	
Surr: 4-Bromofluorobenzene	108	70-130	%Rec	1	10/19/2022 6:14:00 PM	
EPA METHOD 300.0: ANIONS					Analyst: NAI	
Chloride	ND	60	mg/Kg	20	10/20/2022 3:19:02 AM	

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

Qualifiers:

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

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Papas Fritas 27 CTB1

Project:

Analytical Report Lab Order 2210837

Date Reported: 10/27/2022

Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: BES22-64 2.5' Collection Date: 10/14/2022 1:20:00 PM Pageived Date: 10/18/2022 7:30:00 AM

Lab ID: 2210837-017	Matrix: SOIL	Received Date: 10/18/2022 7:30:00 AM				
Analyses	Result	RL Qu	al Units	DF	Date Analyzed	
EPA METHOD 8015M/D: DIESEL RANG	BE ORGANICS				Analyst: SB	
Diesel Range Organics (DRO)	ND	14	mg/Kg	1	10/20/2022 5:29:29 AM	
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	10/20/2022 5:29:29 AM	
Surr: DNOP	106	21-129	%Rec	1	10/20/2022 5:29:29 AM	
EPA METHOD 8015D: GASOLINE RAN	GE				Analyst: CCM	
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	10/19/2022 6:34:00 PM	
Surr: BFB	95.8	37.7-212	%Rec	1	10/19/2022 6:34:00 PM	
EPA METHOD 8021B: VOLATILES					Analyst: CCM	
Benzene	ND	0.024	mg/Kg	1	10/19/2022 6:34:00 PM	
Toluene	ND	0.047	mg/Kg	1	10/19/2022 6:34:00 PM	
Ethylbenzene	ND	0.047	mg/Kg	1	10/19/2022 6:34:00 PM	
Xylenes, Total	ND	0.094	mg/Kg	1	10/19/2022 6:34:00 PM	
Surr: 4-Bromofluorobenzene	107	70-130	%Rec	1	10/19/2022 6:34:00 PM	
EPA METHOD 300.0: ANIONS					Analyst: NAI	
Chloride	ND	60	mg/Kg	20	10/20/2022 3:31:26 AM	

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

Qualifiers:

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

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Project:

Papas Fritas 27 CTB1

Analytical Report Lab Order 2210837

Date Reported: 10/27/2022

Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: BES22-66 2.5' Collection Date: 10/14/2022 1:25:00 PM Received Date: 10/18/2022 7:30:00 AM

Lab ID: 2210837-018	Matrix: SOIL	Received Date: 10/18/2022 7:30:00 AM				
Analyses	Result	RL Qua	al Units	DF	Date Analyzed	
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst: SB	
Diesel Range Organics (DRO)	ND	14	mg/Kg	1	10/20/2022 5:42:29 AM	
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	10/20/2022 5:42:29 AM	
Surr: DNOP	105	21-129	%Rec	1	10/20/2022 5:42:29 AM	
EPA METHOD 8015D: GASOLINE RANGE					Analyst: CCM	
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	10/19/2022 6:53:00 PM	
Surr: BFB	97.8	37.7-212	%Rec	1	10/19/2022 6:53:00 PM	
EPA METHOD 8021B: VOLATILES					Analyst: CCM	
Benzene	ND	0.025	mg/Kg	1	10/19/2022 6:53:00 PM	
Toluene	ND	0.049	mg/Kg	1	10/19/2022 6:53:00 PM	
Ethylbenzene	ND	0.049	mg/Kg	1	10/19/2022 6:53:00 PM	
Xylenes, Total	ND	0.099	mg/Kg	1	10/19/2022 6:53:00 PM	
Surr: 4-Bromofluorobenzene	108	70-130	%Rec	1	10/19/2022 6:53:00 PM	
EPA METHOD 300.0: ANIONS					Analyst: NAI	
Chloride	ND	60	mg/Kg	20	10/20/2022 3:43:50 AM	

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

Qualifiers:

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

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Released to Imaging: 3/6/2023 3:45:27 PM

Project: Papas Fritas 27 CTB1

Analytical Report Lab Order 2210837

Date Reported: 10/27/2022

Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: BES22-67 2.5' Collection Date: 10/14/2022 1:30:00 PM

Lab ID: 2210837-019	Matrix: SOIL	2022 7:30:00 AM			
Analyses	Result	RL Qu	ual Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANG	E ORGANICS				Analyst: SB
Diesel Range Organics (DRO)	ND	14	mg/Kg	1	10/20/2022 5:55:31 AM
Motor Oil Range Organics (MRO)	ND	46	mg/Kg	1	10/20/2022 5:55:31 AM
Surr: DNOP	93.0	21-129	%Rec	1	10/20/2022 5:55:31 AM
EPA METHOD 8015D: GASOLINE RANG	GE				Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	10/19/2022 7:13:00 PM
Surr: BFB	97.4	37.7-212	%Rec	1	10/19/2022 7:13:00 PM
EPA METHOD 8021B: VOLATILES					Analyst: CCM
Benzene	ND	0.024	mg/Kg	1	10/19/2022 7:13:00 PM
Toluene	ND	0.048	mg/Kg	1	10/19/2022 7:13:00 PM
Ethylbenzene	ND	0.048	mg/Kg	1	10/19/2022 7:13:00 PM
Xylenes, Total	ND	0.096	mg/Kg	1	10/19/2022 7:13:00 PM
Surr: 4-Bromofluorobenzene	106	70-130	%Rec	1	10/19/2022 7:13:00 PM
EPA METHOD 300.0: ANIONS					Analyst: NAI
Chloride	ND	60	mg/Kg	20	10/20/2022 3:56:15 AM

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

Qualifiers:

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

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Project:

Papas Fritas 27 CTB1

Analytical Report
Lab Order 2210837

Date Reported: 10/27/2022

Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: BES22-68 2.5' Collection Date: 10/14/2022 1:35:00 PM Received Date: 10/18/2022 7:30:00 AM

Lab ID: 2210837-020	Matrix: SOIL	Rece	Received Date: 10/18/2022 7:30:00 AM			
Analyses	Result	RL Qua	al Units	DF	Date Analyzed	
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst: SB	
Diesel Range Organics (DRO)	ND	14	mg/Kg	1	10/20/2022 6:08:17 AM	
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	10/20/2022 6:08:17 AM	
Surr: DNOP	93.0	21-129	%Rec	1	10/20/2022 6:08:17 AM	
EPA METHOD 8015D: GASOLINE RANG	E				Analyst: CCM	
Gasoline Range Organics (GRO)	ND	4.6	mg/Kg	1	10/19/2022 7:33:00 PM	
Surr: BFB	87.6	37.7-212	%Rec	1	10/19/2022 7:33:00 PM	
EPA METHOD 8021B: VOLATILES					Analyst: CCM	
Benzene	ND	0.023	mg/Kg	1	10/19/2022 7:33:00 PM	
Toluene	ND	0.046	mg/Kg	1	10/19/2022 7:33:00 PM	
Ethylbenzene	ND	0.046	mg/Kg	1	10/19/2022 7:33:00 PM	
Xylenes, Total	ND	0.093	mg/Kg	1	10/19/2022 7:33:00 PM	
Surr: 4-Bromofluorobenzene	102	70-130	%Rec	1	10/19/2022 7:33:00 PM	
EPA METHOD 300.0: ANIONS					Analyst: NAI	
Chloride	ND	59	mg/Kg	20	10/20/2022 4:08:39 AM	

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

Qualifiers:

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

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Analytical Report Lab Order 2210837

Date Reported: 10/27/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Devon Energy Client Sample ID: BES22-69 2.5 **Project:** Papas Fritas 27 CTB1 Collection Date: 10/14/2022 1:40:00 PM Lab ID: 2210837-021 Matrix: SOIL Received Date: 10/18/2022 7:30:00 AM Analyses Result **RL** Qual Units DF **Date Analyzed EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** Analyst: mb **Diesel Range Organics (DRO)** ND 14 1 10/20/2022 12:54:25 AM mg/Kg Motor Oil Range Organics (MRO) ND 47 mg/Kg 1 10/20/2022 12:54:25 AM Surr: DNOP 95.7 21-129 %Rec 10/20/2022 12:54:25 AM 1 **EPA METHOD 8015D: GASOLINE RANGE** Analyst: CCM Gasoline Range Organics (GRO) ND 4.7 10/19/2022 9:30:00 PM mg/Kg 1 Surr: BFB 92.3 37.7-212 %Rec 1 10/19/2022 9:30:00 PM **EPA METHOD 8021B: VOLATILES** Analyst: CCM Benzene ND 0.023 10/19/2022 9:30:00 PM mg/Kg 1 Toluene ND 0.047 mg/Kg 1 10/19/2022 9:30:00 PM Ethylbenzene ND 0.047 mg/Kg 10/19/2022 9:30:00 PM 1 Xylenes, Total ND 0.094 mg/Kg 1 10/19/2022 9:30:00 PM Surr: 4-Bromofluorobenzene 107 70-130 %Rec 1 10/19/2022 9:30:00 PM **EPA METHOD 300.0: ANIONS** Analyst: JTT Chloride ND 10/20/2022 9:14:42 AM 61 mg/Kg 20

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

Qualifiers:

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

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Released to Imaging: 3/6/2023 3:45:27 PM

Project: Papas Fritas 27 CTB1

Analytical Report Lab Order 2210837

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 10/27/2022 Client Sample ID: BES22-70 2' Collection Date: 10/14/2022 9:00:00 AM

Lab ID: 2210837-022	Matrix: SOIL	Matrix: SOIL Received Date: 10/18/2022 7:3				
Analyses	Result	RL Qu	al Units	DF	Date Analyzed	
EPA METHOD 8015M/D: DIESEL RAN	NGE ORGANICS				Analyst: mb	
Diesel Range Organics (DRO)	ND	14	mg/Kg	1	10/20/2022 2:05:52 AM	
Motor Oil Range Organics (MRO)	ND	46	mg/Kg	1	10/20/2022 2:05:52 AM	
Surr: DNOP	96.8	21-129	%Rec	1	10/20/2022 2:05:52 AM	
EPA METHOD 8015D: GASOLINE RA	NGE				Analyst: CCM	
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	10/19/2022 10:29:00 PM	
Surr: BFB	96.9	37.7-212	%Rec	1	10/19/2022 10:29:00 PM	
EPA METHOD 8021B: VOLATILES					Analyst: CCM	
Benzene	ND	0.024	mg/Kg	1	10/19/2022 10:29:00 PM	
Toluene	ND	0.048	mg/Kg	1	10/19/2022 10:29:00 PM	
Ethylbenzene	ND	0.048	mg/Kg	1	10/19/2022 10:29:00 PM	
Xylenes, Total	ND	0.096	mg/Kg	1	10/19/2022 10:29:00 PM	
Surr: 4-Bromofluorobenzene	112	70-130	%Rec	1	10/19/2022 10:29:00 PM	
EPA METHOD 300.0: ANIONS					Analyst: JTT	
Chloride	ND	60	mg/Kg	20	10/20/2022 9:51:44 AM	

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

Qualifiers:

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

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Project: Papas Fritas 27 CTB1

Analytical Report Lab Order 2210837

Date Reported: 10/27/2022

Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: BES22-71 2' Collection Date: 10/14/2022 9:05:00 AM . .

Lab ID: 2210837-023	Matrix: SOIL	2022 7:30:00 AM			
Analyses	Result	RL Qua	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANG	E ORGANICS				Analyst: mb
Diesel Range Organics (DRO)	ND	15	mg/Kg	1	10/20/2022 2:29:39 AM
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	10/20/2022 2:29:39 AM
Surr: DNOP	91.4	21-129	%Rec	1	10/20/2022 2:29:39 AM
EPA METHOD 8015D: GASOLINE RAN	GE				Analyst: CCM
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	10/19/2022 11:28:00 PM
Surr: BFB	94.4	37.7-212	%Rec	1	10/19/2022 11:28:00 PM
EPA METHOD 8021B: VOLATILES					Analyst: CCM
Benzene	ND	0.025	mg/Kg	1	10/19/2022 11:28:00 PM
Toluene	ND	0.050	mg/Kg	1	10/19/2022 11:28:00 PM
Ethylbenzene	ND	0.050	mg/Kg	1	10/19/2022 11:28:00 PM
Xylenes, Total	ND	0.10	mg/Kg	1	10/19/2022 11:28:00 PM
Surr: 4-Bromofluorobenzene	106	70-130	%Rec	1	10/19/2022 11:28:00 PM
EPA METHOD 300.0: ANIONS					Analyst: JTT
Chloride	ND	60	mg/Kg	20	10/20/2022 10:53:25 AM

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

Qualifiers:

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

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Project: Papas Fritas 27 CTB1

Analytical Report
Lab Order 2210837

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 10/27/2022 Client Sample ID: BES22-72 2' Collection Date: 10/14/2022 9:10:00 AM

Lab ID: 2210837-024	Matrix: SOIL	/2022 7:30:00 AM			
Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANG	SE ORGANICS				Analyst: mb
Diesel Range Organics (DRO)	ND	13	mg/Kg	1	10/20/2022 2:53:25 AM
Motor Oil Range Organics (MRO)	ND	44	mg/Kg	1	10/20/2022 2:53:25 AM
Surr: DNOP	97.0	21-129	%Rec	1	10/20/2022 2:53:25 AM
EPA METHOD 8015D: GASOLINE RAN	GE				Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	10/19/2022 11:48:00 PM
Surr: BFB	93.6	37.7-212	%Rec	1	10/19/2022 11:48:00 PM
EPA METHOD 8021B: VOLATILES					Analyst: CCM
Benzene	ND	0.023	mg/Kg	1	10/19/2022 11:48:00 PM
Toluene	ND	0.047	mg/Kg	1	10/19/2022 11:48:00 PM
Ethylbenzene	ND	0.047	mg/Kg	1	10/19/2022 11:48:00 PM
Xylenes, Total	ND	0.094	mg/Kg	1	10/19/2022 11:48:00 PM
Surr: 4-Bromofluorobenzene	109	70-130	%Rec	1	10/19/2022 11:48:00 PM
EPA METHOD 300.0: ANIONS					Analyst: JTT
Chloride	ND	60	mg/Kg	20	10/20/2022 11:05:46 AM

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

Qualifiers:

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

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Project: Papas Fritas 27 CTB1

Analytical Report Lab Order 2210837

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 10/27/2022 Client Sample ID: BES22-73 2' Collection Date: 10/14/2022 9:15:00 AM

Lab ID: 2210837-025	Matrix: SOIL	Matrix: SOIL Received Date: 10/18/2022 7:30:				
Analyses	Result	RL Qu	al Units	DF	Date Analyzed	
EPA METHOD 8015M/D: DIESEL RAM	NGE ORGANICS				Analyst: mb	
Diesel Range Organics (DRO)	ND	14	mg/Kg	1	10/20/2022 3:17:08 AM	
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	10/20/2022 3:17:08 AM	
Surr: DNOP	97.2	21-129	%Rec	1	10/20/2022 3:17:08 AM	
EPA METHOD 8015D: GASOLINE RA	NGE				Analyst: CCM	
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	10/20/2022 12:08:00 AM	
Surr: BFB	103	37.7-212	%Rec	1	10/20/2022 12:08:00 AM	
EPA METHOD 8021B: VOLATILES					Analyst: CCM	
Benzene	ND	0.024	mg/Kg	1	10/20/2022 12:08:00 AM	
Toluene	ND	0.047	mg/Kg	1	10/20/2022 12:08:00 AM	
Ethylbenzene	ND	0.047	mg/Kg	1	10/20/2022 12:08:00 AM	
Xylenes, Total	ND	0.095	mg/Kg	1	10/20/2022 12:08:00 AM	
Surr: 4-Bromofluorobenzene	110	70-130	%Rec	1	10/20/2022 12:08:00 AM	
EPA METHOD 300.0: ANIONS					Analyst: JTT	
Chloride	ND	60	mg/Kg	20	10/20/2022 11:18:07 AM	

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

Qualifiers:

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

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Project:

Papas Fritas 27 CTB1

Analytical Report Lab Order 2210837

Date Reported: 10/27/2022

Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: BES22-74 2' Collection Date: 10/14/2022 9:20:00 AM Received Date: 10/18/2022 7:30:00 AM

Lab ID: 2210837-026	Matrix: SOIL	Rece	2022 7:30:00 AM		
Analyses	Result	RL Qua	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst: mb
Diesel Range Organics (DRO)	ND	14	mg/Kg	1	10/20/2022 3:40:51 AM
Motor Oil Range Organics (MRO)	ND	46	mg/Kg	1	10/20/2022 3:40:51 AM
Surr: DNOP	97.9	21-129	%Rec	1	10/20/2022 3:40:51 AM
EPA METHOD 8015D: GASOLINE RANG	E				Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	10/20/2022 12:27:00 AM
Surr: BFB	92.2	37.7-212	%Rec	1	10/20/2022 12:27:00 AM
EPA METHOD 8021B: VOLATILES					Analyst: CCM
Benzene	ND	0.024	mg/Kg	1	10/20/2022 12:27:00 AM
Toluene	ND	0.048	mg/Kg	1	10/20/2022 12:27:00 AM
Ethylbenzene	ND	0.048	mg/Kg	1	10/20/2022 12:27:00 AM
Xylenes, Total	ND	0.095	mg/Kg	1	10/20/2022 12:27:00 AM
Surr: 4-Bromofluorobenzene	103	70-130	%Rec	1	10/20/2022 12:27:00 AM
EPA METHOD 300.0: ANIONS					Analyst: JTT
Chloride	ND	60	mg/Kg	20	10/20/2022 11:30:28 AM

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix
- Н
- Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit PQL Practical Quanitative Limit
- S
 - % Recovery outside of standard limits. If undiluted results may be estimated.
- в Analyte detected in the associated Method Blank
- Above Quantitation Range/Estimated Value E T
 - Analyte detected below quantitation limits
- Р Sample pH Not In Range RL Reporting Limit
- Page 26 of 44

Project: Papas Fritas 27 CTB1

Analytical Report Lab Order 2210837

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 10/27/2022 Client Sample ID: BES22-75 2' Collection Date: 10/14/2022 9:25:00 AM

Lab ID: 2210837-027	Matrix: SOIL	2022 7:30:00 AM			
Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANG	GE ORGANICS				Analyst: mb
Diesel Range Organics (DRO)	ND	14	mg/Kg	1	10/20/2022 4:04:33 AM
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	10/20/2022 4:04:33 AM
Surr: DNOP	99.3	21-129	%Rec	1	10/20/2022 4:04:33 AM
EPA METHOD 8015D: GASOLINE RAN	IGE				Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	10/20/2022 12:47:00 AM
Surr: BFB	94.7	37.7-212	%Rec	1	10/20/2022 12:47:00 AM
EPA METHOD 8021B: VOLATILES					Analyst: CCM
Benzene	ND	0.023	mg/Kg	1	10/20/2022 12:47:00 AM
Toluene	ND	0.047	mg/Kg	1	10/20/2022 12:47:00 AM
Ethylbenzene	ND	0.047	mg/Kg	1	10/20/2022 12:47:00 AM
Xylenes, Total	ND	0.094	mg/Kg	1	10/20/2022 12:47:00 AM
Surr: 4-Bromofluorobenzene	106	70-130	%Rec	1	10/20/2022 12:47:00 AM
EPA METHOD 300.0: ANIONS					Analyst: JTT
Chloride	ND	60	mg/Kg	20	10/20/2022 11:42:48 AM

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

Qualifiers:

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

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Project: Lab ID: Papas Fritas 27 CTB1

2210837-028

Analytical Report
Lab Order 2210837

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 10/27/2022 Client Sample ID: BES22-76 2' Collection Date: 10/14/2022 9:30:00 AM

Received Date: 10/18/2022 7:30:00 AM

Analyses	Result	RL Qu	ual Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORG	Analyst: mb				
Diesel Range Organics (DRO)	ND	14	mg/Kg	1	10/20/2022 4:28:16 AM
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	10/20/2022 4:28:16 AM
Surr: DNOP	96.5	21-129	%Rec	1	10/20/2022 4:28:16 AM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	10/20/2022 1:07:00 AM
Surr: BFB	94.6	37.7-212	%Rec	1	10/20/2022 1:07:00 AM
EPA METHOD 8021B: VOLATILES					Analyst: CCM
Benzene	ND	0.024	mg/Kg	1	10/20/2022 1:07:00 AM
Toluene	ND	0.047	mg/Kg	1	10/20/2022 1:07:00 AM
Ethylbenzene	ND	0.047	mg/Kg	1	10/20/2022 1:07:00 AM
Xylenes, Total	ND	0.095	mg/Kg	1	10/20/2022 1:07:00 AM
Surr: 4-Bromofluorobenzene	105	70-130	%Rec	1	10/20/2022 1:07:00 AM
EPA METHOD 300.0: ANIONS					Analyst: JTT
Chloride	ND	60	mg/Kg	20	10/20/2022 11:55:08 AM

Matrix: SOIL

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

Qualifiers:

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

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Papas Fritas 27 CTB1

Project:

Lab ID:

Analyses

Analytical Report Lab Order 2210837

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 10/27/2022 Client Sample ID: BES22-77 2' Collection Date: 10/14/2022 9:35:00 AM

2210837-029 Matrix: SOIL Received Date: 10/18/2022 7:30:00 AM Result **RL** Qual Units DF **Date Analyzed** EPA METHOD 8015M/D: DIESEL RANGE ORGANICS Analyst: mb **Diesel Range Organics (DRO)** ND 13 mg/Kg 1 10/20/2022 4:51:55 AM Motor Oil Range Organics (MRO) ND 43 mg/Kg 1 10/20/2022 4:51:55 AM Surr: DNOP 96.9 21-129 %Rec 10/20/2022 4:51:55 AM 1 **EPA METHOD 8015D: GASOLINE RANGE** Analyst: CCM Gasoline Range Organics (GRO) ND 10/20/2022 1:26:00 AM 4.9 mg/Kg 1 Surr: BFB 92.4 37.7-212 %Rec 1 10/20/2022 1:26:00 AM **EPA METHOD 8021B: VOLATILES** Analyst: CCM Benzene ND 0.024 10/20/2022 1:26:00 AM mg/Kg 1 ND 0 049 10/20/2022 1:26:00 AM ma/ka

Toluene	ND	0.049	mg/Kg	1	10/20/2022 1:26:00 AM
Ethylbenzene	ND	0.049	mg/Kg	1	10/20/2022 1:26:00 AM
Xylenes, Total	ND	0.097	mg/Kg	1	10/20/2022 1:26:00 AM
Surr: 4-Bromofluorobenzene	106	70-130	%Rec	1	10/20/2022 1:26:00 AM
EPA METHOD 300.0: ANIONS					Analyst: JTT
Chloride	ND	60	mg/Kg	20	10/20/2022 12:07:29 PM

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

Qualifiers:

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

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Papas Fritas 27 CTB1

Project:

Analytical Report Lab Order 2210837

Date Reported: 10/27/2022

Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: BES22-78 2' Collection Date: 10/14/2022 9:40:00 AM Pageived Date: 10/18/2022 7:30:00 AM

Lab ID: 2210837-030	Matrix: SOIL	Rece	ived Date:	10/18/	8/2022 7:30:00 AM			
Analyses	Result	RL Qua	al Units	DF	Date Analyzed			
EPA METHOD 8015M/D: DIESEL RANG	E ORGANICS				Analyst: mb			
Diesel Range Organics (DRO)	ND	14	mg/Kg	1	10/20/2022 5:15:31 AM			
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	10/20/2022 5:15:31 AM			
Surr: DNOP	100	21-129	%Rec	1	10/20/2022 5:15:31 AM			
EPA METHOD 8015D: GASOLINE RANG	GE				Analyst: CCM			
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	10/20/2022 1:46:00 AM			
Surr: BFB	101	37.7-212	%Rec	1	10/20/2022 1:46:00 AM			
EPA METHOD 8021B: VOLATILES					Analyst: CCM			
Benzene	ND	0.024	mg/Kg	1	10/20/2022 1:46:00 AM			
Toluene	ND	0.047	mg/Kg	1	10/20/2022 1:46:00 AM			
Ethylbenzene	ND	0.047	mg/Kg	1	10/20/2022 1:46:00 AM			
Xylenes, Total	ND	0.095	mg/Kg	1	10/20/2022 1:46:00 AM			
Surr: 4-Bromofluorobenzene	108	70-130	%Rec	1	10/20/2022 1:46:00 AM			
EPA METHOD 300.0: ANIONS					Analyst: JTT			
Chloride	ND	60	mg/Kg	20	10/20/2022 12:19:50 PM			

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

Qualifiers:

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

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Papas Fritas 27 CTB1

Project:

Analytical Report Lab Order 2210837

Date Reported: 10/27/2022

Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: BES22-79 2' Collection Date: 10/14/2022 9:45:00 AM п. oived Dete: 10/18/2022 7.30.00 AM

Lab ID: 2210837-031	Matrix: SOIL	Recei	ved Date:	10/18/	2022 7:30:00 AM
Analyses	Result	RL Qual Units D			Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst: mb
Diesel Range Organics (DRO)	ND	13	mg/Kg	1	10/20/2022 5:39:09 AM
Motor Oil Range Organics (MRO)	ND	42	mg/Kg	1	10/20/2022 5:39:09 AM
Surr: DNOP	100	21-129	%Rec	1	10/20/2022 5:39:09 AM
EPA METHOD 8015D: GASOLINE RANGE	E				Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	10/20/2022 2:25:00 AM
Surr: BFB	92.6	37.7-212	%Rec	1	10/20/2022 2:25:00 AM
EPA METHOD 8021B: VOLATILES					Analyst: CCM
Benzene	ND	0.023	mg/Kg	1	10/20/2022 2:25:00 AM
Toluene	ND	0.047	mg/Kg	1	10/20/2022 2:25:00 AM
Ethylbenzene	ND	0.047	mg/Kg	1	10/20/2022 2:25:00 AM
Xylenes, Total	ND	0.094	mg/Kg	1	10/20/2022 2:25:00 AM
Surr: 4-Bromofluorobenzene	104	70-130	%Rec	1	10/20/2022 2:25:00 AM
EPA METHOD 300.0: ANIONS					Analyst: JTT
Chloride	ND	60	mg/Kg	20	10/20/2022 12:32:11 PM

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

Qualifiers:

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

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Project: Papas Fritas 27 CTB1

Analytical Report Lab Order 2210837

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 10/27/2022 Client Sample ID: BES22-80 2' Collection Date: 10/14/2022 9:50:00 AM

Lab ID: 2210837-032	Matrix: SOIL	Reco	eived Date:	10/18/	2022 7:30:00 AM
Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RA	NGE ORGANICS				Analyst: mb
Diesel Range Organics (DRO)	ND	14	mg/Kg	1	10/20/2022 6:02:46 AM
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	10/20/2022 6:02:46 AM
Surr: DNOP	95.6	21-129	%Rec	1	10/20/2022 6:02:46 AM
EPA METHOD 8015D: GASOLINE RA	ANGE				Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.6	mg/Kg	1	10/20/2022 2:45:00 AM
Surr: BFB	95.3	37.7-212	%Rec	1	10/20/2022 2:45:00 AM
EPA METHOD 8021B: VOLATILES					Analyst: CCM
Benzene	ND	0.023	mg/Kg	1	10/20/2022 2:45:00 AM
Toluene	ND	0.046	mg/Kg	1	10/20/2022 2:45:00 AM
Ethylbenzene	ND	0.046	mg/Kg	1	10/20/2022 2:45:00 AM
Xylenes, Total	ND	0.092	mg/Kg	1	10/20/2022 2:45:00 AM
Surr: 4-Bromofluorobenzene	110	70-130	%Rec	1	10/20/2022 2:45:00 AM
EPA METHOD 300.0: ANIONS					Analyst: JTT
Chloride	ND	60	mg/Kg	20	10/20/2022 12:44:32 PM

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

Qualifiers:

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

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Project: Papas Fritas 27 CTB1

Analytical Report Lab Order 2210837

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 10/27/2022 Client Sample ID: BES22-81 2' Collection Date: 10/14/2022 9:55:00 AM

Lab ID: 2210837-033	Matrix: SOIL	Rece	eived Date:	d Date: 10/18/2022 7:30:00 AM				
Analyses	Result	RL Qu	al Units	DF	Date Analyzed			
EPA METHOD 8015M/D: DIESEL RANG	GE ORGANICS				Analyst: mb			
Diesel Range Organics (DRO)	ND	15	mg/Kg	1	10/20/2022 6:26:21 AM			
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	10/20/2022 6:26:21 AM			
Surr: DNOP	100	21-129	%Rec	1	10/20/2022 6:26:21 AM			
EPA METHOD 8015D: GASOLINE RAN	IGE				Analyst: CCM			
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	10/20/2022 3:05:00 AM			
Surr: BFB	97.7	37.7-212	%Rec	1	10/20/2022 3:05:00 AM			
EPA METHOD 8021B: VOLATILES					Analyst: CCM			
Benzene	ND	0.024	mg/Kg	1	10/20/2022 3:05:00 AM			
Toluene	ND	0.048	mg/Kg	1	10/20/2022 3:05:00 AM			
Ethylbenzene	ND	0.048	mg/Kg	1	10/20/2022 3:05:00 AM			
Xylenes, Total	ND	0.095	mg/Kg	1	10/20/2022 3:05:00 AM			
Surr: 4-Bromofluorobenzene	110	70-130	%Rec	1	10/20/2022 3:05:00 AM			
EPA METHOD 300.0: ANIONS					Analyst: JTT			
Chloride	ND	61	mg/Kg	20	10/20/2022 1:21:33 PM			

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

Qualifiers:

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

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Project:

Papas Fritas 27 CTB1

Analytical Report Lab Order 2210837

Date Reported: 10/27/2022

Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: BES22-82 2' Collection Date: 10/14/2022 10:00:00 AM Received Date: 10/18/2022 7:30:00 AM

Lab ID: 2210837-034	Matrix: SOIL	Rece	ived Date:	10/18/	2022 7:30:00 AM
Analyses	Result	RL Qua	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst: mb
Diesel Range Organics (DRO)	ND	13	mg/Kg	1	10/20/2022 6:49:56 AM
Motor Oil Range Organics (MRO)	ND	44	mg/Kg	1	10/20/2022 6:49:56 AM
Surr: DNOP	92.1	21-129	%Rec	1	10/20/2022 6:49:56 AM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	10/20/2022 3:24:00 AM
Surr: BFB	95.0	37.7-212	%Rec	1	10/20/2022 3:24:00 AM
EPA METHOD 8021B: VOLATILES					Analyst: CCM
Benzene	ND	0.024	mg/Kg	1	10/20/2022 3:24:00 AM
Toluene	ND	0.048	mg/Kg	1	10/20/2022 3:24:00 AM
Ethylbenzene	ND	0.048	mg/Kg	1	10/20/2022 3:24:00 AM
Xylenes, Total	ND	0.095	mg/Kg	1	10/20/2022 3:24:00 AM
Surr: 4-Bromofluorobenzene	105	70-130	%Rec	1	10/20/2022 3:24:00 AM
EPA METHOD 300.0: ANIONS					Analyst: JTT
Chloride	ND	60	mg/Kg	20	10/20/2022 1:33:53 PM

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

Qualifiers:

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

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Released to Imaging: 3/6/2023 3:45:27 PM

Papas Fritas 27 CTB1

Project:

Analytical Report Lab Order 2210837

Date Reported: 10/27/2022

Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: BES22-83 2' Collection Date: 10/14/2022 10:05:00 AM п. oived Dete: 10/18/2022 7.30.00 AM

Lab ID: 2210837-035	Matrix: SOIL	Rece	ived Date:	10/18/	2022 7:30:00 AM			
Analyses	Result	RL Qua	al Units	DF	Date Analyzed			
EPA METHOD 8015M/D: DIESEL RANG	E ORGANICS				Analyst: mb			
Diesel Range Organics (DRO)	ND	14	mg/Kg	1	10/20/2022 7:13:29 AM			
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	10/20/2022 7:13:29 AM			
Surr: DNOP	100	21-129	%Rec	1	10/20/2022 7:13:29 AM			
EPA METHOD 8015D: GASOLINE RANG	GE				Analyst: CCM			
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	10/20/2022 3:44:00 AM			
Surr: BFB	94.1	37.7-212	%Rec	1	10/20/2022 3:44:00 AM			
EPA METHOD 8021B: VOLATILES					Analyst: CCM			
Benzene	ND	0.024	mg/Kg	1	10/20/2022 3:44:00 AM			
Toluene	ND	0.049	mg/Kg	1	10/20/2022 3:44:00 AM			
Ethylbenzene	ND	0.049	mg/Kg	1	10/20/2022 3:44:00 AM			
Xylenes, Total	ND	0.098	mg/Kg	1	10/20/2022 3:44:00 AM			
Surr: 4-Bromofluorobenzene	110	70-130	%Rec	1	10/20/2022 3:44:00 AM			
EPA METHOD 300.0: ANIONS					Analyst: JTT			
Chloride	ND	60	mg/Kg	20	10/20/2022 1:46:13 PM			

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

Qualifiers:

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

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Project: Papas Fritas 27 CTB1

Analytical Report Lab Order 2210837

Date Reported: 10/27/2022

Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: BES22-84 2' Collection Date: 10/14/2022 10:10:00 AM

Lab ID: 2210837-036	Matrix: SOIL	Rece	eived Date:	10/18/	2022 7:30:00 AM
Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RAN	GE ORGANICS				Analyst: mb
Diesel Range Organics (DRO)	ND	14	mg/Kg	1	10/20/2022 7:37:05 AM
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	10/20/2022 7:37:05 AM
Surr: DNOP	101	21-129	%Rec	1	10/20/2022 7:37:05 AM
EPA METHOD 8015D: GASOLINE RAI	NGE				Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	10/20/2022 4:04:00 AM
Surr: BFB	94.2	37.7-212	%Rec	1	10/20/2022 4:04:00 AM
EPA METHOD 8021B: VOLATILES					Analyst: CCM
Benzene	ND	0.024	mg/Kg	1	10/20/2022 4:04:00 AM
Toluene	ND	0.048	mg/Kg	1	10/20/2022 4:04:00 AM
Ethylbenzene	ND	0.048	mg/Kg	1	10/20/2022 4:04:00 AM
Xylenes, Total	ND	0.096	mg/Kg	1	10/20/2022 4:04:00 AM
Surr: 4-Bromofluorobenzene	111	70-130	%Rec	1	10/20/2022 4:04:00 AM
EPA METHOD 300.0: ANIONS					Analyst: JTT
Chloride	ND	60	mg/Kg	20	10/20/2022 1:58:34 PM

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

Qualifiers:

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

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Papas Fritas 27 CTB1

Project:

Analytical Report Lab Order 2210837

Date Reported: 10/27/2022

Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: BES22-85 2' Collection Date: 10/14/2022 10:15:00 AM Pageived Date: 10/18/2022 7:30:00 AM

Lab ID: 2210837-037	Matrix: SOIL	Rece	ived Date:	10/18/2022 7:30:00 AM			
Analyses	Result	lt RL Qual Units I			Date Analyzed		
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst: mb		
Diesel Range Organics (DRO)	ND	14	mg/Kg	1	10/20/2022 8:00:40 AM		
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	10/20/2022 8:00:40 AM		
Surr: DNOP	102	21-129	%Rec	1	10/20/2022 8:00:40 AM		
EPA METHOD 8015D: GASOLINE RANG	E				Analyst: CCM		
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	10/20/2022 4:23:00 AM		
Surr: BFB	95.8	37.7-212	%Rec	1	10/20/2022 4:23:00 AM		
EPA METHOD 8021B: VOLATILES					Analyst: CCM		
Benzene	ND	0.023	mg/Kg	1	10/20/2022 4:23:00 AM		
Toluene	ND	0.047	mg/Kg	1	10/20/2022 4:23:00 AM		
Ethylbenzene	ND	0.047	mg/Kg	1	10/20/2022 4:23:00 AM		
Xylenes, Total	ND	0.094	mg/Kg	1	10/20/2022 4:23:00 AM		
Surr: 4-Bromofluorobenzene	107	70-130	%Rec	1	10/20/2022 4:23:00 AM		
EPA METHOD 300.0: ANIONS					Analyst: JTT		
Chloride	ND	59	mg/Kg	20	10/20/2022 2:10:55 PM		

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

Qualifiers:

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

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Client:	Devon	Energy									
Project:	Papas	Fritas 27 CTB	81								
Sample ID:	MB-70935	SampTy	SampType: mblk			tCode: El					
Client ID:	PBS	Batch	Batch ID: 70935			RunNo: 9	1941				
Prep Date:	10/19/2022	Analysis Da	ate: 10	0/19/2022	S	SeqNo: 3	298304	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride		ND	1.5								
Sample ID:	MB-70945	SampType: MBLK			TestCode: EPA Method 300.0: Anions						
Client ID:	PBS	Batch	Batch ID: 70945			RunNo: 91958					
Prep Date:	10/20/2022	Analysis Da	ate: 10	0/20/2022	S	SeqNo: 3	299494	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride		ND	1.5								
Sample ID:	LCS-70945	SampTy	ype: LC	CS TestCode: EPA Method 300.0: Anions							
Client ID:	LCSS	Batch	ID: 70	945	RunNo: 91958						
Prep Date:	10/20/2022	Analysis Da	ate: 10	0/20/2022	S	SeqNo: 3	299495	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride											

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

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2210837

27-Oct-22

WO#:

	WO#:	2210837
Iall Environmental Analysis Laboratory, Inc.		27-Oct-22

Client: Devon Er Project: Papas Fri	nergy tas 27 CT	B1									
Sample ID: MB-70928	SampT	ype: ME	BLK	Tes	TestCode: EPA Method 8015M/D: Diesel Range Organics						
Client ID: PBS	Batch	n ID: 70	928	F	RunNo: 91929						
Prep Date: 10/19/2022	Analysis D	ate: 10)/20/2022	S	SeqNo: 3	297826	Units: mg/h	٢g			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Diesel Range Organics (DRO)	ND	15									
Motor Oil Range Organics (MRO)	ND	50									
Surr: DNOP	9.5		10.00		94.9	21	129				
Sample ID: LCS-70928	SampT	SampType: LCS TestCode: EPA Method 8015M/D: Diesel Range Organics									
Client ID: LCSS	Batch	n ID: 70	928	F	RunNo: 9	1929					
Prep Date: 10/19/2022	Analysis D	ate: 10	/20/2022	S	SeqNo: 3	297827	Units: mg/k	٢g			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Diesel Range Organics (DRO)	48	15	50.00	0	95.3	64.4	127				
Surr: DNOP	5.1		5.000		103	21	129				
Sample ID: 2210837-001AMS	SampT	ype: MS	5	Tes	tCode: El	PA Method	8015M/D: Di	esel Range	e Organics		
Client ID: BES22-48 2.5'	Batch ID: 70928			RunNo: 91929							
Prep Date: 10/19/2022	Analysis D	ate: 10)/20/2022	S	SeqNo: 3	297829	Units: mg/k	٢g			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Diesel Range Organics (DRO)	49	15	49.41	0	99.5	36.1	154				
Surr: DNOP	5.3		4.941		108	21	129				
Sample ID: 2210837-001AMSI	D SampT	ype: M	SD.	Tes	tCode: El	PA Method	8015M/D: Di	esel Range	e Organics		
Client ID: BES22-48 2.5'	Batch	n ID: 70	928	F	RunNo: 9	1929					
Prep Date: 10/19/2022	Analysis D	ate: 10)/20/2022	S	SeqNo: 3	297830	Units: mg/	٢g			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Diesel Range Organics (DRO)	46	14	46.77	0	97.7	36.1	154	7.28	33.9		
Surr: DNOP	5.1		4.677		109	21	129	0	0		
Sample ID: MB-70929	SampT	ype: ME	BLK	Tes	tCode: El	PA Method	8015M/D: Di	esel Range	e Organics		
Client ID: PBS	Batch	n ID: 70	929	F	RunNo: 9	1900					
1	Analysis D	ate: 10	/20/2022	S	SeqNo: 3	298010	Units: mg/k	٢g			
Prep Date: 10/19/2022											
Prep Date: 10/19/2022 Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
	Result ND	PQL 15	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Analyte			SPK value 10.00	SPK Ref Val	%REC 89.9	LowLimit 21	HighLimit 129	%RPD	RPDLimit	Qual	

Value exceeds Maximum Contaminant Level. *

D Sample Diluted Due to Matrix

Н Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

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

в Analyte detected in the associated Method Blank

Е Above Quantitation Range/Estimated Value

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

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	WO#:	2210837
Hall Environmental Analysis Laboratory, Inc.		27-Oct-22

Client:	Devon Er	nergy									
Project:	Papas Fri	tas 27 CTE	81								
Sample ID:	LCS-70929	SampT	ype: LC	S	Tes	tCode: E	PA Method	8015M/D: Die	esel Range	e Organics	
Client ID:	LCSS	Batch	ID: 70	929	R	unNo: 9	1900				
Prep Date:	10/19/2022	Analysis D	ate: 10)/20/2022	S	eqNo: 3	298011	Units: mg/k	ζg		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range (Organics (DRO)	46	15	50.00	0	92.3	64.4	127			
Surr: DNOP		4.6		5.000		92.4	21	129			
Sample ID:	2210837-021AMS	SampT	ype: MS	3	Tes	tCode: El	PA Method	8015M/D: Die	esel Range	e Organics	
Client ID:	BES22-69 2.5'	Batch	ID: 70	929	R	unNo: 9	1900				
Prep Date:	10/19/2022	Analysis Da	ate: 10)/20/2022	S	eqNo: 3	298013	Units: mg/k	ζg		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Analyte Diesel Range (Organics (DRO)	Result 47	PQL 14	SPK value 46.51	SPK Ref Val 0	%REC 100	LowLimit 36.1	HighLimit 154	%RPD	RPDLimit	Qual
	Organics (DRO)							ě	%RPD	RPDLimit	Qual
Diesel Range (Surr: DNOP	Drganics (DRO) 2210837-021AMSE	47 4.8	14	46.51 4.651	0	100 102	36.1 21	154			Qual
Diesel Range (Surr: DNOP Sample ID:	2210837-021AMS	47 4.8 D SampT	14	46.51 4.651	0 Tesi	100 102	36.1 21 PA Method	154 129			Qual
Diesel Range (Surr: DNOP Sample ID: Client ID:	2210837-021AMSI BES22-69 2.5'	47 4.8 D SampT	14 ype: MS ID: 70	46.51 4.651 SD 929	0 Test	100 102 tCode: EF	36.1 21 PA Method 1900	154 129	esel Range		Qual
Diesel Range (Surr: DNOP Sample ID: Client ID: Prep Date:	2210837-021AMSI BES22-69 2.5'	47 4.8 D SampTy Batch	14 ype: MS ID: 70	46.51 4.651 SD 929 D/20/2022	0 Test	100 102 tCode: EF	36.1 21 PA Method 1900	154 129 8015M/D: Die	esel Range		Qual
Diesel Range (Surr: DNOP Sample ID: Client ID: Prep Date: Analyte	2210837-021AMSI BES22-69 2.5'	47 4.8 D SampTy Batch Analysis Da	14 ype: MS ID: 70 ate: 10	46.51 4.651 SD 929 D/20/2022	0 Test R S	100 102 tCode: EF tunNo: 9 SeqNo: 32	36.1 21 PA Method 1900 298014	154 129 8015M/D: Die Units: mg/K	esel Range	e Organics	

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

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QC SUMMARY REPORT Hall Environmental

	WO#:	2210837	
l Analysis Laboratory, Inc.		27-Oct-22	

	n Energy Fritas 27 CTB1						
Sample ID: Ics-70896	SampType: LCS	TestCode: EPA Method 8015D: Gasoline Range					
Client ID: LCSS	Batch ID: 70896	RunNo: 91932					
Prep Date: 10/18/2022	Analysis Date: 10/19/2022	SeqNo: 3298039	Units: mg/Kg				
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit Qual			
Gasoline Range Organics (GRO) Surr: BFB	23 5.0 25.00 2000 1000	0 91.3 72.3 202 37.7	137 212				
Sample ID: mb-70896	SampType: MBLK	TestCode: EPA Method	8015D: Gasoline Range				
Client ID: PBS	Batch ID: 70896	RunNo: 91932					
Prep Date: 10/18/2022	Analysis Date: 10/19/2022	SeqNo: 3298040	Units: mg/Kg				
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit Qual			
Gasoline Range Organics (GRO) Surr: BFB	ND 5.0 930 1000	92.6 37.7	212				
Sample ID: 2210837-001ar	ns SampType: MS	TestCode: EPA Method	8015D: Gasoline Range				
Client ID: BES22-48 2.5'	Batch ID: 70896	RunNo: 91932					
Prep Date: 10/18/2022	Analysis Date: 10/19/2022	SeqNo: 3298042	Units: mg/Kg				
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit Qual			
Gasoline Range Organics (GRO)	24 4.8 23.88	0 99.1 70	130				
Surr: BFB	2000 955.1	214 37.7	212	S			
Sample ID: 2210837-001ar	nsd SampType: MSD	TestCode: EPA Method	8015D: Gasoline Range				
Client ID: BES22-48 2.5'	Batch ID: 70896	RunNo: 91932	RunNo: 91932				
Prep Date: 10/18/2022	Analysis Date: 10/19/2022	SeqNo: 3298043	Units: mg/Kg				
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit Qual			
Gasoline Range Organics (GRO)	25 4.8 23.90	0 105 70	130 6.24	20			
Surr: BFB	2100 956.0	217 37.7	212 0	0 S			
Sample ID: Ics-70897	SampType: LCS	TestCode: EPA Method	8015D: Gasoline Range				
Client ID: LCSS	Batch ID: 70897	RunNo: 91932					
Prep Date: 10/18/2022	Analysis Date: 10/19/2022	SeqNo: 3298063	Units: mg/Kg				
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit Qual			
Gasoline Range Organics (GRO)	23 5.0 25.00	0 90.4 72.3	137				
Surr: BFB	2100 1000	205 37.7	212				
Sample ID: MB-70897	SampType: MBLK	TestCode: EPA Method	8015D: Gasoline Range				
Client ID: PBS	Batch ID: 70897	RunNo: 91932					
Prep Date: 10/18/2022	Analysis Date: 10/19/2022	SeqNo: 3298064	Units: mg/Kg				
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit Qual			

Qualifiers:

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

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	WO#:	2210837
Hall Environmental Analysis Laboratory, Inc.		27-Oct-22

Client: Project:	Devon Er Papas Fri	nergy tas 27 CTH	31								
Sample ID:	MB-70897	SampT	ype: ME	BLK	Tes	tCode: El	PA Method	8015D: Gaso	line Rang	e	
Client ID:	PBS	Batch	ID: 70	897	F	RunNo: 9	1932				
Prep Date:	10/18/2022	Analysis D	ate: 10	0/19/2022	S	SeqNo: 3	298064	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range	Organics (GRO)	ND	5.0								
Surr: BFB		920		1000		92.2	37.7	212			
Sample ID:	2210837-021ams	SampT	ype: MS	6	Tes	tCode: El	PA Method	8015D: Gaso	line Rang	e	
Client ID:	BES22-69 2.5'	Batch	ID: 70	897	F	RunNo: 9	1932				
Prep Date:	10/18/2022	Analysis D	ate: 10	0/19/2022	S	SeqNo: 3	298066	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range	Organics (GRO)	23	4.7	23.56	0	97.1	70	130			
Surr: BFB		2100		942.5		220	37.7	212			S
Sample ID:	2210837-021amsd	I SampT	ype: MS	SD	Tes	tCode: El	PA Method	8015D: Gaso	line Rang	e	
Client ID:	BES22-69 2.5'	Batch	ID: 70	897	F	RunNo: 9	1932				
Prep Date:	10/18/2022	Analysis D	ate: 10	0/19/2022	S	SeqNo: 3	298067	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range	Organics (GRO)	24	4.7	23.50	0	103	70	130	5.17	20	
Surr: BFB		2000		939.8		214	37.7	212	0	0	S

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

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QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc

	WO#:	2210837
oratory, Inc.		27-Oct-22

Client: Project:	Devon En Papas Frit	•••	B1								
Sample ID:	lcs-70896	0896 SampType: LCS TestCode: EPA Method 8021B: Volatiles									
Client ID:	LCSS	Batc	h ID: 70	896	F	RunNo: 9	1932				
Prep Date:	10/18/2022	Analysis [Date: 10)/19/2022	S	SeqNo: 3	298093	Units: mg/k	٢g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene		1.2	0.025	1.000	0	116	80	120			
Toluene		1.1	0.050	1.000	0	115	80	120			
Ethylbenzene		1.1	0.050	1.000	0	115	80	120			
Xylenes, Total		3.4	0.10	3.000	0	113	80	120			
Surr: 4-Brom	nofluorobenzene	1.1		1.000		108	70	130			
Sample ID:	mb-70896	Samp ⁻	Туре: МЕ	BLK	Tes	tCode: El	PA Method	8021B: Volat	tiles		
Client ID:	PBS	Batc	h ID: 70	896	F	RunNo: 9	1932				
Prep Date:	10/18/2022	Analysis [Date: 10)/19/2022	5	SeqNo: 3	298094	Units: mg/k	٢g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene		ND	0.025								
Toluene		ND	0.050								
Ethylbenzene		ND	0.050								
Xylenes, Total		ND	0.10								
Surr: 4-Brom	nofluorobenzene	1.1		1.000		107	70	130			
Sample ID:	2210837-002ams	Samp ⁻	Туре: М	6	Tes	tCode: El	PA Method	8021B: Vola	tiles		
Client ID:	BES22-49 2.5'	Batc	h ID: 70	896	F	RunNo: 9	1932				
Prep Date:	10/18/2022	Analysis [Date: 10)/19/2022	5	SeqNo: 3	298097	Units: mg/k	٢g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene		1.2	0.025	0.9950	0	125	68.8	120			S
Toluene		1.3	0.050	0.9950	0	127	73.6	124			S
Ethylbenzene		1.3	0.050	0.9950	0	126	72.7	129			
Xylenes, Total		3.7	0.10	2.985	0	124	75.7	126			
Surr: 4-Brom	nofluorobenzene	1.1		0.9950		106	70	130			
Sample ID:	2210837-002amsd	Samp	Туре: М	SD	Tes	tCode: El	PA Method	8021B: Vola	tiles		
Client ID:	BES22-49 2.5'	Batc	h ID: 70	896	F	RunNo: 9	1932				
Prep Date:	10/18/2022	Analysis [Date: 10)/19/2022	S	SeqNo: 3	298098	Units: mg/H	٢g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene		1.2	0.025	0.9872	0	125	68.8	120	1.02	20	S
Delizene		1.2	0.049	0.9872	0	125	73.6	124	2.73	20	S
Toluene											
		1.2	0.049	0.9872	0	126	72.7	129	1.16	20	
Toluene			0.049 0.099	0.9872 2.962	0 0	126 123	72.7 75.7	129 126	1.16 1.42	20 20	

Qualifiers:

* Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

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

B Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

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QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc

	WO#:	2210837
ry, Inc.		27-Oct-22

Client:	Devon Er	nergy									
Project:	Papas Fri	tas 27 CT	B1								
Sample ID:	lcs-70897	SampT	Type: LC	S	Tes	tCode: El	PA Method	8021B: Volat	iles		
Client ID:	LCSS	Batc	h ID: 70	897	F	RunNo: 91932					
Prep Date:	10/18/2022	Analysis E	Date: 10)/19/2022	S	eqNo: 3	298117	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene		1.2	0.025	1.000	0	120	80	120			S
Toluene		1.2	0.050	1.000	0	120	80	120			
Ethylbenzene		1.2	0.050	1.000	0	119	80	120			
Xylenes, Total		3.5	0.10	3.000	0	118	80	120			
Surr: 4-Brom	ofluorobenzene	1.1		1.000		108	70	130			
Sample ID:	MB-70897	SampT	ype: ME	BLK	Tes	tCode: El	PA Method	8021B: Volat	iles		
Client ID:	PBS	Batc	h ID: 70	897	F	unNo: 9	1932				
Prep Date:	10/18/2022	Analysis E	Date: 10	/19/2022	S	eqNo: 3	298118	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene		ND	0.025								
Toluene		ND	0.050								
Ethylbenzene		ND	0.050								
Xylenes, Total		ND	0.10								
Surr: 4-Brom	ofluorobenzene	1.0		1.000		105	70	130			
Sample ID:	2210837-022ams	SampT	Гуре: МS	6	Tes	tCode: Ef	PA Method	8021B: Volat	iles		
Client ID:	BES22-70 2'	Batc	h ID: 70	897	F	lunNo: 9	1932				
Client ID: Prep Date:	BES22-70 2' 10/18/2022	Batcl Analysis [tunNo: 9 SeqNo: 32		Units: mg/K	g		
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Qualifiers:

* Value exceeds Maximum Contaminant Level.

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

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

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

B Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

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Received by	OCD :	12/2/2022	2:00:05 PM
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HALL ENVIRONMENTA ANALYSIS LABORATORY	L TEL: 505-345	ental Analysis Labor 4901 Hawki, Albuquerque, NM 8 3975 FAX: 505-345 w.hallenvironmenta	ns NE 87109 Samp -4107	ble Log-In Chec	k List
Client Name: Devon Energ	gy Work Order Num	nber: 2210837		RcptNo: 1	
Received By: Juan Rojas	10/18/2022 7:30:0	0 AM	Guaranty S. (m)		
Completed By: Sean Living Reviewed By: Jin 100	gston 10/18/2022 8:07:1 [19]22	1 AM	Sala	-	
Chain of Custody					
1. Is Chain of Custody comple	ite?	Yes 🔽	No 🗌	Not Present	
2. How was the sample delive	red?	Courier			
Log In 3. Was an attempt made to co	ool the samples?	Yes 🔽	No 🗆		
4. Were all samples received a	at a temperature of >0° C to 6.0°C	Yes 🔽	No 🗌	NA 🗌	
5. Sample(s) in proper contain	er(s)?	Yes 🗹	No 🗌		
Sufficient sample volume fo	r indicated test(s)?	Yes 🔽	No 🗆		
7. Are samples (except VOA a	nd ONG) properly preserved?	Yes 🗹	No 🗌		
3. Was preservative added to I	oottles?	Yes 🗌	No 🗹		
9. Received at least 1 vial with	headspace <1/4" for AQ VOA?	Yes 🗌	No 🗌	NA 🗹	
0. Were any sample container	s received broken?	Yes		# of preserved	/
1. Does paperwork match bott (Note discrepancies on chai		Yes 🔽		for pH: (<2 or ×12 ur	nless noted)
2. Are matrices correctly identi	and the second	Yes 🔽	No 🗆	Adjusted?	
3. Is it clear what analyses we	e requested?	Yes 🔽	No 🗌	/	
4. Were all holding times able (If no, notify customer for au		Yes 🔽	No 🗆	Checked by: KIG 1	2.18.75
pecial Handling (if appl	licable)				
15, Was client notified of all dis	crepancies with this order?	Yes 🗌	No 🗌	NA 🗹	
Person Notified:	Date	e: [
By Whom:	Via:	🗌 eMail 🔲	Phone 🗌 Fax [In Person	
Regarding:					
Client Instructions:					
16. Additional remarks:					
17. <u>Cooler Information</u> Cooler No Temp °C	Condition Seal Intact Seal No	Seal Date	Signed By		
Cooler No Temp °C	Condition Seal Intact Seal No Good	Seal Date	Signed By		

Page 1 of 1

Turn-Around Time: Z-Day		Project Name:	Fill 4901 Hawkins NF - Albiration NM 87109	Project #: Tel 505 345 3075	ZZE-0/4/7 Analysis Request	(0	PO4, 50 SIMS 5 (8021 5 (8021			# of Coolers:	(including CF): O, A, FO, I > I, O (°C) MTE (°C) M2 (°C) M2 (°C) M2 (°C) M2 (°C) M2 (°C) M2 (°C) (°C) M2 (°C) (°C) (°C) (°C) (°C) (°C) (°C) (°C)		8 ES 22 - 48 Z, 40Z ZCL 001 001 001 00 00 00 00	, S'2	. 4	Sesz2-52 Z,S' 205 005	BER 22-53 2,5' 004 11 00	. 2.5'	8 = 52 - 55 2,5 2,5 2,5 2,5 2,5 2,5 2,5 2,5 2,5	ZEZZ-56 Z,S' 205 11 205	2,5'	in	eserse 2.5' 1	Received by: Via: Date Time Remarks: CC: Chance Dixon	Contract Via Pate Time Direct Rill Direct Rill D	
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X Pront V.C. H.V. \Box Standard Rush Address: \Box Standard Rush Project Namo: \Box Standard Rush Project # Rush Project # Rush Project Manager: \Box Standard Rador \Box Compliance Sampler: CO Address: \Box Cooler: Prosecation Address: \Box Cooler: \Box Ves No Address: \Box Cooler: \Box Ves No Address: \Box Cooler: \Box Ves No Address: \Box Cooler: \Box Ves \Box Cooler: Address: \Box Cooler: \Box Ves D No Address: \Box Cooler: \Box Ves D No Address: \Box Cooler: \Box Ves D No $I:1005 \Box Cooler: \Box Ves Image: \Box $		nain-	-of-CL	Chain-of-Custody Record	ord	Turn-Around	d Time: Z-Day	boc				I	-	N	II/	SON	HALL ENVIRONMENT	TAL	
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October 28, 2022

Kent Stallings Vertex Resources Services, Inc. 3101 Boyd Drive Carlsbad, NM 88220 TEL: (505) 506-0040 FAX 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

Hall Environmental Analysis Laboratory

OrderNo.: 2210A33

RE: Papas Fritas 27 CTB1

Dear Kent Stallings:

Hall Environmental Analysis Laboratory received 20 sample(s) on 10/20/2022 for the analyses presented in the following report.

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

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

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

Sincerely,

andy

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

Date Reported: 10/28/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: BES22-41 2.5' **Project:** Papas Fritas 27 CTB1 Collection Date: 10/18/2022 8:30:00 AM Lab ID: 2210A33-001 Matrix: SOIL Received Date: 10/20/2022 7:55:00 AM Result **RL** Qual Units DF **Date Analyzed** Analyses **EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** Analyst: DGH Diesel Range Organics (DRO) ND 14 mg/Kg 1 10/24/2022 2:40:08 PM Motor Oil Range Organics (MRO) ND 48 mg/Kg 1 10/24/2022 2:40:08 PM 21-129 Surr: DNOP 98.3 %Rec 1 10/24/2022 2:40:08 PM **EPA METHOD 8015D: GASOLINE RANGE** Analyst: NSB Gasoline Range Organics (GRO) ND 10/21/2022 12:48:41 PM 5.0 mg/Kg 1 Surr: BFB 93.9 37.7-212 %Rec 1 10/21/2022 12:48:41 PM **EPA METHOD 8021B: VOLATILES** Analyst: NSB Benzene ND 0.025 mg/Kg 10/21/2022 12:48:41 PM 1 Toluene ND 0.050 mg/Kg 1 10/21/2022 12:48:41 PM Ethylbenzene ND 0.050 mg/Kg 1 10/21/2022 12:48:41 PM Xylenes, Total ND 0.099 mg/Kg 1 10/21/2022 12:48:41 PM Surr: 4-Bromofluorobenzene 95.5 70-130 %Rec 1 10/21/2022 12:48:41 PM **EPA METHOD 300.0: ANIONS** Analyst: JMT Chloride ND 60 10/23/2022 10:32:12 PM ma/Ka 20

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

Qualifiers:

Value exceeds Maximum Contaminant Level. Sample Diluted Due to Matrix

D Н Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit POL Practical Quanitative Limit

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

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

Reporting Limit RL

Page 1 of 25

EPA METHOD 300.0: ANIONS

Chloride

Analytical Report Lab Order 2210A33

Date Reported: 10/28/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: BES22-42 2.5' **Project:** Papas Fritas 27 CTB1 Collection Date: 10/18/2022 8:35:00 AM Lab ID: 2210A33-002 Matrix: SOIL Received Date: 10/20/2022 7:55:00 AM Result **RL** Qual Units DF **Date Analyzed** Analyses **EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** Analyst: DGH Diesel Range Organics (DRO) ND 15 mg/Kg 1 10/24/2022 2:53:37 PM Motor Oil Range Organics (MRO) ND 50 mg/Kg 1 10/24/2022 2:53:37 PM Surr: DNOP 101 21-129 %Rec 1 10/24/2022 2:53:37 PM **EPA METHOD 8015D: GASOLINE RANGE** Analyst: NSB Gasoline Range Organics (GRO) ND 10/21/2022 3:09:43 PM 4.7 mg/Kg 1 Surr: BFB 94.1 37.7-212 %Rec 1 10/21/2022 3:09:43 PM **EPA METHOD 8021B: VOLATILES** Analyst: NSB Benzene ND 0.024 mg/Kg 10/21/2022 3:09:43 PM 1 Toluene ND 0.047 mg/Kg 1 10/21/2022 3:09:43 PM Ethylbenzene ND 0.047 mg/Kg 1 10/21/2022 3:09:43 PM Xylenes, Total ND 0.095 mg/Kg 1 10/21/2022 3:09:43 PM Surr: 4-Bromofluorobenzene 98.8 70-130 %Rec 1 10/21/2022 3:09:43 PM

ND

60

ma/Ka

20

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

Qualifiers:

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

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

Page 2 of 25

Analyst: JMT

10/23/2022 10:44:37 PM

Project:

Lab ID:

CLIENT: Vertex Resources Services, Inc.

2210A33-003

Papas Fritas 27 CTB1

Analytical Report Lab Order 2210A33

Date Reported: 10/28/2022

Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: BES22-44 2.5' Collection Date: 10/18/2022 8:40:00 AM Matrix: SOIL Received Date: 10/20/2022 7:55:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst: DGH
Diesel Range Organics (DRO)	ND	15	mg/Kg	1	10/24/2022 3:07:08 PM
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	10/24/2022 3:07:08 PM
Surr: DNOP	102	21-129	%Rec	1	10/24/2022 3:07:08 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	10/21/2022 4:20:13 PM
Surr: BFB	91.3	37.7-212	%Rec	1	10/21/2022 4:20:13 PM
EPA METHOD 8021B: VOLATILES					Analyst: NSB
Benzene	ND	0.024	mg/Kg	1	10/21/2022 4:20:13 PM
Toluene	ND	0.047	mg/Kg	1	10/21/2022 4:20:13 PM
Ethylbenzene	ND	0.047	mg/Kg	1	10/21/2022 4:20:13 PM
Xylenes, Total	ND	0.095	mg/Kg	1	10/21/2022 4:20:13 PM
Surr: 4-Bromofluorobenzene	96.7	70-130	%Rec	1	10/21/2022 4:20:13 PM
EPA METHOD 300.0: ANIONS					Analyst: JMT
Chloride	ND	61	mg/Kg	20	10/23/2022 10:57:02 PM

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

Qualifiers:

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

н Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit PQL Practical Quanitative Limit

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

Analyte detected in the associated Method Blank в

Above Quantitation Range/Estimated Value Е

J Analyte detected below quantitation limits

Р Sample pH Not In Range

RL Reporting Limit Page 3 of 25

Date Reported: 10/28/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: WES22-08 1' **Project:** Papas Fritas 27 CTB1 Collection Date: 10/18/2022 8:45:00 AM Lab ID: 2210A33-004 Matrix: SOIL Received Date: 10/20/2022 7:55:00 AM Result **RL** Qual Units DF **Date Analyzed** Analyses **EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** Analyst: DGH Diesel Range Organics (DRO) ND 15 mg/Kg 1 10/24/2022 3:20:49 PM Motor Oil Range Organics (MRO) ND 50 mg/Kg 1 10/24/2022 3:20:49 PM Surr: DNOP 102 21-129 %Rec 1 10/24/2022 3:20:49 PM **EPA METHOD 8015D: GASOLINE RANGE** Analyst: NSB Gasoline Range Organics (GRO) ND 10/21/2022 4:43:41 PM 4.7 mg/Kg 1 Surr: BFB 91.1 37.7-212 %Rec 1 10/21/2022 4:43:41 PM **EPA METHOD 8021B: VOLATILES** Analyst: NSB Benzene ND 0.023 mg/Kg 10/21/2022 4:43:41 PM 1 Toluene ND 0.047 mg/Kg 1 10/21/2022 4:43:41 PM Ethylbenzene ND 0.047 mg/Kg 1 10/21/2022 4:43:41 PM Xylenes, Total ND 0.094 mg/Kg 1 10/21/2022 4:43:41 PM Surr: 4-Bromofluorobenzene 96.2 70-130 %Rec 1 10/21/2022 4:43:41 PM **EPA METHOD 300.0: ANIONS** Analyst: JMT Chloride ND 60 10/23/2022 11:09:26 PM ma/Ka 20

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

Qualifiers:

Value exceeds Maximum Contaminant Level. Sample Diluted Due to Matrix

D Н Holding times for preparation or analysis exceeded

- ND Not Detected at the Reporting Limit POL Practical Quanitative Limit

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

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

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Date Reported: 10/28/2022

10/21/2022 5:07:03 PM 10/21/2022 5:07:03 PM

Analyst: **JMT** 10/23/2022 11:21:50 PM

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: BES22-28 2.5' **Project:** Papas Fritas 27 CTB1 Collection Date: 10/18/2022 9:15:00 AM Lab ID: 2210A33-005 Matrix: SOIL Received Date: 10/20/2022 7:55:00 AM Result **RL** Qual Units DF **Date Analyzed** Analyses **EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** Analyst: DGH **Diesel Range Organics (DRO)** ND 14 mg/Kg 1 10/24/2022 12:09:17 PM Motor Oil Range Organics (MRO) ND 47 mg/Kg 1 10/24/2022 12:09:17 PM 21-129 Surr: DNOP 99.3 %Rec 1 10/24/2022 12:09:17 PM **EPA METHOD 8015D: GASOLINE RANGE** Analyst: NSB Gasoline Range Organics (GRO) ND 10/21/2022 5:07:03 PM 4.6 mg/Kg 1 Surr: BFB 93.0 37.7-212 %Rec 1 10/21/2022 5:07:03 PM **EPA METHOD 8021B: VOLATILES** Analyst: NSB ND Benzene 0.023 mg/Kg 10/21/2022 5:07:03 PM 1 Toluene ND 0.046 mg/Kg 1 10/21/2022 5:07:03 PM . . _ - - . -10/21/2022 5:07:03 PM

Ethylbenzene	ND	0.046	mg/Kg	1	
Xylenes, Total	ND	0.093	mg/Kg	1	
Surr: 4-Bromofluorobenzene	98.3	70-130	%Rec	1	
EPA METHOD 300.0: ANIONS					
Chloride	ND	60	mg/Kg	20	

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

Qualifiers:

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

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

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

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

RL Reporting Limit

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CLIENT: Vertex Resources Services, Inc.

Project: Papas Fritas 27 CTB1

Analytical Report Lab Order 2210A33

Date Reported: 10/28/2022

Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: BES22-29 2.5' Collection Date: 10/18/2022 9:20:00 AM wed Data, 10/20/2022 7.55.00 AM ъ

Lab ID: 2210A33-006	Matrix: SOIL	Rece	eived Date:	10/20/	2022 7:55:00 AM
Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANG	E ORGANICS				Analyst: DGH
Diesel Range Organics (DRO)	ND	14	mg/Kg	1	10/24/2022 12:33:36 PM
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	10/24/2022 12:33:36 PM
Surr: DNOP	100	21-129	%Rec	1	10/24/2022 12:33:36 PM
EPA METHOD 8015D: GASOLINE RAN	GE				Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.6	mg/Kg	1	10/21/2022 5:30:34 PM
Surr: BFB	92.9	37.7-212	%Rec	1	10/21/2022 5:30:34 PM
EPA METHOD 8021B: VOLATILES					Analyst: NSB
Benzene	ND	0.023	mg/Kg	1	10/21/2022 5:30:34 PM
Toluene	ND	0.046	mg/Kg	1	10/21/2022 5:30:34 PM
Ethylbenzene	ND	0.046	mg/Kg	1	10/21/2022 5:30:34 PM
Xylenes, Total	ND	0.093	mg/Kg	1	10/21/2022 5:30:34 PM
Surr: 4-Bromofluorobenzene	98.3	70-130	%Rec	1	10/21/2022 5:30:34 PM
EPA METHOD 300.0: ANIONS					Analyst: JMT
Chloride	220	60	mg/Kg	20	10/23/2022 12:24:01 PM

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

Qualifiers:

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

н Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

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

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

RL Reporting Limit Page 6 of 25

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Project:

CLIENT: Vertex Resources Services, Inc.

Papas Fritas 27 CTB1

Analytical Report Lab Order 2210A33

Date Reported: 10/28/2022

Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: BES22-30 2.5' Collection Date: 10/18/2022 9:25:00 AM Received Date: 10/20/2022 7:55:00 AM

Lab ID: 2210A33-007	Matrix: SOIL	Rece	ived Date:	10/20/	2022 7:55:00 AM
Analyses	Result	RL Qua	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE	E ORGANICS				Analyst: DGH
Diesel Range Organics (DRO)	ND	13	mg/Kg	1	10/24/2022 12:57:51 PM
Motor Oil Range Organics (MRO)	ND	44	mg/Kg	1	10/24/2022 12:57:51 PM
Surr: DNOP	103	21-129	%Rec	1	10/24/2022 12:57:51 PM
EPA METHOD 8015D: GASOLINE RANG	Ε				Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	10/21/2022 5:54:01 PM
Surr: BFB	89.3	37.7-212	%Rec	1	10/21/2022 5:54:01 PM
EPA METHOD 8021B: VOLATILES					Analyst: NSB
Benzene	ND	0.024	mg/Kg	1	10/21/2022 5:54:01 PM
Toluene	ND	0.049	mg/Kg	1	10/21/2022 5:54:01 PM
Ethylbenzene	ND	0.049	mg/Kg	1	10/21/2022 5:54:01 PM
Xylenes, Total	ND	0.097	mg/Kg	1	10/21/2022 5:54:01 PM
Surr: 4-Bromofluorobenzene	94.6	70-130	%Rec	1	10/21/2022 5:54:01 PM
EPA METHOD 300.0: ANIONS					Analyst: JMT
Chloride	1600	60	mg/Kg	20	10/23/2022 1:01:15 PM

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix
- н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit PQL Practical Quanitative Limit
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- J Analyte detected below quantitation limits
- Р Sample pH Not In Range Reporting Limit

RL

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Date Reported: 10/28/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: BES22-31 2.5' **Project:** Papas Fritas 27 CTB1 Collection Date: 10/18/2022 9:30:00 AM Lab ID: 2210A33-008 Matrix: SOIL Received Date: 10/20/2022 7:55:00 AM Result **RL** Qual Units DF **Date Analyzed** Analyses **EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** Analyst: DGH Diesel Range Organics (DRO) ND 13 mg/Kg 1 10/24/2022 1:22:10 PM Motor Oil Range Organics (MRO) ND 45 mg/Kg 1 10/24/2022 1:22:10 PM Surr: DNOP 107 21-129 %Rec 1 10/24/2022 1:22:10 PM **EPA METHOD 8015D: GASOLINE RANGE** Analyst: NSB Gasoline Range Organics (GRO) ND 10/21/2022 6:17:32 PM 4.9 mg/Kg 1 Surr: BFB 90.6 37.7-212 %Rec 1 10/21/2022 6:17:32 PM **EPA METHOD 8021B: VOLATILES** Analyst: NSB Benzene ND 0.024 mg/Kg 10/21/2022 6:17:32 PM 1 Toluene ND 0.049 mg/Kg 1 10/21/2022 6:17:32 PM Ethylbenzene ND 0.049 mg/Kg 1 10/21/2022 6:17:32 PM Xylenes, Total ND 0.098 mg/Kg 1 10/21/2022 6:17:32 PM Surr: 4-Bromofluorobenzene 95.2 70-130 %Rec 1 10/21/2022 6:17:32 PM **EPA METHOD 300.0: ANIONS** Analyst: JMT Chloride 850 60 10/23/2022 1:38:29 PM ma/Ka 20

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

Qualifiers:

Value exceeds Maximum Contaminant Level. Sample Diluted Due to Matrix

D Н Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit POL Practical Quanitative Limit

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

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

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Date Reported: 10/28/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: WES22-11 2' **Project:** Papas Fritas 27 CTB1 Collection Date: 10/18/2022 9:35:00 AM Lab ID: 2210A33-009 Matrix: SOIL Received Date: 10/20/2022 7:55:00 AM Result **RL** Qual Units DF **Date Analyzed** Analyses **EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** Analyst: DGH Diesel Range Organics (DRO) ND 15 mg/Kg 1 10/24/2022 1:46:20 PM Motor Oil Range Organics (MRO) ND 50 mg/Kg 1 10/24/2022 1:46:20 PM Surr: DNOP 91.1 21-129 %Rec 1 10/24/2022 1:46:20 PM **EPA METHOD 8015D: GASOLINE RANGE** Analyst: NSB Gasoline Range Organics (GRO) ND 10/21/2022 6:41:13 PM 4.9 mg/Kg 1 Surr: BFB 87.8 37.7-212 %Rec 1 10/21/2022 6:41:13 PM **EPA METHOD 8021B: VOLATILES** Analyst: NSB Benzene ND 0.024 mg/Kg 10/21/2022 6:41:13 PM 1 Toluene ND 0.049 mg/Kg 1 10/21/2022 6:41:13 PM Ethylbenzene ND 0.049 mg/Kg 1 10/21/2022 6:41:13 PM Xylenes, Total ND 0.097 mg/Kg 1 10/21/2022 6:41:13 PM Surr: 4-Bromofluorobenzene 93.5 70-130 %Rec 1 10/21/2022 6:41:13 PM **EPA METHOD 300.0: ANIONS** Analyst: JMT Chloride 60 10/23/2022 1:50:54 PM 120 ma/Ka 20

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

Qualifiers:

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

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

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Date Reported: 10/28/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: WES22-15 1' **Project:** Papas Fritas 27 CTB1 Collection Date: 10/18/2022 9:40:00 AM Lab ID: 2210A33-010 Matrix: SOIL Received Date: 10/20/2022 7:55:00 AM Result **RL** Qual Units DF **Date Analyzed** Analyses **EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** Analyst: DGH Diesel Range Organics (DRO) ND 14 mg/Kg 1 10/24/2022 2:10:37 PM Motor Oil Range Organics (MRO) ND 46 mg/Kg 1 10/24/2022 2:10:37 PM 21-129 Surr: DNOP 97.3 %Rec 1 10/24/2022 2:10:37 PM **EPA METHOD 8015D: GASOLINE RANGE** Analyst: NSB Gasoline Range Organics (GRO) ND 10/21/2022 7:04:41 PM 4.9 mg/Kg 1 Surr: BFB 93.5 37.7-212 %Rec 1 10/21/2022 7:04:41 PM **EPA METHOD 8021B: VOLATILES** Analyst: NSB Benzene ND 0.025 mg/Kg 10/21/2022 7:04:41 PM 1 Toluene ND 0.049 mg/Kg 1 10/21/2022 7:04:41 PM Ethylbenzene ND 0.049 mg/Kg 1 10/21/2022 7:04:41 PM Xylenes, Total ND 0.099 mg/Kg 1 10/21/2022 7:04:41 PM Surr: 4-Bromofluorobenzene 98.9 70-130 %Rec 1 10/21/2022 7:04:41 PM **EPA METHOD 300.0: ANIONS** Analyst: JMT Chloride 66 60 10/23/2022 2:28:08 PM ma/Ka 20

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

Qualifiers:

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

Н Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit POL

Practical Quanitative Limit S

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

Analyte detected in the associated Method Blank в

Е Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

Р Sample pH Not In Range

Reporting Limit RL

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Date Reported: 10/28/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: WES22-16 1' **Project:** Papas Fritas 27 CTB1 Collection Date: 10/18/2022 9:45:00 AM Lab ID: 2210A33-011 Matrix: SOIL Received Date: 10/20/2022 7:55:00 AM Result **RL** Qual Units DF **Date Analyzed** Analyses **EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** Analyst: JME Diesel Range Organics (DRO) ND 14 mg/Kg 1 10/24/2022 11:39:43 AM Motor Oil Range Organics (MRO) ND 48 mg/Kg 1 10/24/2022 11:39:43 AM 21-129 Surr: DNOP 94.4 %Rec 1 10/24/2022 11:39:43 AM **EPA METHOD 8015D: GASOLINE RANGE** Analyst: NSB Gasoline Range Organics (GRO) ND 10/21/2022 7:28:11 PM 4.8 mg/Kg 1 Surr: BFB 91.6 37.7-212 %Rec 1 10/21/2022 7:28:11 PM **EPA METHOD 8021B: VOLATILES** Analyst: NSB Benzene ND 0.024 mg/Kg 10/21/2022 7:28:11 PM 1 Toluene ND 0.048 mg/Kg 1 10/21/2022 7:28:11 PM Ethylbenzene ND 0.048 mg/Kg 1 10/21/2022 7:28:11 PM Xylenes, Total ND 0.097 mg/Kg 1 10/21/2022 7:28:11 PM Surr: 4-Bromofluorobenzene 97.0 70-130 %Rec 1 10/21/2022 7:28:11 PM **EPA METHOD 300.0: ANIONS** Analyst: JMT Chloride 60 10/23/2022 2:40:33 PM 130 ma/Ka 20

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

Qualifiers:

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

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

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Project:

CLIENT: Vertex Resources Services, Inc.

Papas Fritas 27 CTB1

Analytical Report Lab Order 2210A33

Date Reported: 10/28/2022

Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: WES22-10 1' Collection Date: 10/18/2022 10:55:00 AM **Deceived Deter** 10/20/2022 7:55:00 AM

Lab ID: 2210A33-012	Matrix: SOIL	Rece	ived Date:	10/20/	2022 7:55:00 AM
Analyses	Result	RL Qua	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst: JME
Diesel Range Organics (DRO)	ND	15	mg/Kg	1	10/24/2022 12:03:20 PM
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	10/24/2022 12:03:20 PM
Surr: DNOP	94.1	21-129	%Rec	1	10/24/2022 12:03:20 PM
EPA METHOD 8015D: GASOLINE RANGE	E				Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	10/21/2022 8:38:42 PM
Surr: BFB	90.4	37.7-212	%Rec	1	10/21/2022 8:38:42 PM
EPA METHOD 8021B: VOLATILES					Analyst: NSB
Benzene	ND	0.025	mg/Kg	1	10/21/2022 8:38:42 PM
Toluene	ND	0.049	mg/Kg	1	10/21/2022 8:38:42 PM
Ethylbenzene	ND	0.049	mg/Kg	1	10/21/2022 8:38:42 PM
Xylenes, Total	ND	0.099	mg/Kg	1	10/21/2022 8:38:42 PM
Surr: 4-Bromofluorobenzene	95.5	70-130	%Rec	1	10/21/2022 8:38:42 PM
EPA METHOD 300.0: ANIONS					Analyst: JMT
Chloride	760	60	mg/Kg	20	10/23/2022 2:52:57 PM

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

Qualifiers:

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

н

Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit PQL Practical Quanitative Limit

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

Analyte detected in the associated Method Blank в

Above Quantitation Range/Estimated Value Е

J Analyte detected below quantitation limits

Р Sample pH Not In Range

RL Reporting Limit Page 12 of 25

Date Reported: 10/28/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: BES22-35 2.5' **Project:** Papas Fritas 27 CTB1 Collection Date: 10/18/2022 11:00:00 AM Lab ID: 2210A33-013 Matrix: SOIL Received Date: 10/20/2022 7:55:00 AM Result **RL** Qual Units DF **Date Analyzed** Analyses **EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** Analyst: JME Diesel Range Organics (DRO) ND 15 mg/Kg 1 10/24/2022 12:27:01 PM Motor Oil Range Organics (MRO) ND 50 mg/Kg 1 10/24/2022 12:27:01 PM Surr: DNOP 92.8 21-129 %Rec 1 10/24/2022 12:27:01 PM **EPA METHOD 8015D: GASOLINE RANGE** Analyst: NSB Gasoline Range Organics (GRO) ND 10/21/2022 9:02:14 PM 4.6 mg/Kg 1 Surr: BFB 90.2 37.7-212 %Rec 1 10/21/2022 9:02:14 PM **EPA METHOD 8021B: VOLATILES** Analyst: NSB Benzene ND 0.023 mg/Kg 10/21/2022 9:02:14 PM 1 Toluene ND 0.046 mg/Kg 1 10/21/2022 9:02:14 PM Ethylbenzene ND 0.046 mg/Kg 1 10/21/2022 9:02:14 PM Xylenes, Total ND 0.092 mg/Kg 1 10/21/2022 9:02:14 PM Surr: 4-Bromofluorobenzene 95.6 70-130 %Rec 1 10/21/2022 9:02:14 PM **EPA METHOD 300.0: ANIONS** Analyst: JMT Chloride ND 60 10/23/2022 3:05:22 PM ma/Ka 20

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

Qualifiers:

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

Н Holding times for preparation or analysis exceeded

- ND Not Detected at the Reporting Limit POL Practical Quanitative Limit

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

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

Reporting Limit RL

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Project:

CLIENT: Vertex Resources Services, Inc.

Papas Fritas 27 CTB1

Analytical Report Lab Order 2210A33

Date Reported: 10/28/2022

Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: BES22-36 2.5' Collection Date: 10/18/2022 11:05:00 AM Received Date: 10/20/2022 7:55:00 AM

Lab ID: 2210A33-014	Matrix: SOIL	Rece	ived Date:	10/20/	2022 7:55:00 AM
Analyses	Result	RL Qua	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst: JME
Diesel Range Organics (DRO)	ND	14	mg/Kg	1	10/24/2022 12:50:42 PM
Motor Oil Range Organics (MRO)	ND	46	mg/Kg	1	10/24/2022 12:50:42 PM
Surr: DNOP	95.5	21-129	%Rec	1	10/24/2022 12:50:42 PM
EPA METHOD 8015D: GASOLINE RANGE	E				Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	10/21/2022 9:25:53 PM
Surr: BFB	89.9	37.7-212	%Rec	1	10/21/2022 9:25:53 PM
EPA METHOD 8021B: VOLATILES					Analyst: NSB
Benzene	ND	0.025	mg/Kg	1	10/21/2022 9:25:53 PM
Toluene	ND	0.049	mg/Kg	1	10/21/2022 9:25:53 PM
Ethylbenzene	ND	0.049	mg/Kg	1	10/21/2022 9:25:53 PM
Xylenes, Total	ND	0.098	mg/Kg	1	10/21/2022 9:25:53 PM
Surr: 4-Bromofluorobenzene	95.8	70-130	%Rec	1	10/21/2022 9:25:53 PM
EPA METHOD 300.0: ANIONS					Analyst: JMT
Chloride	98	59	mg/Kg	20	10/23/2022 3:17:47 PM

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

Qualifiers:

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

н

Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit PQL Practical Quanitative Limit

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

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

RL Reporting Limit Page 14 of 25

Project:

CLIENT: Vertex Resources Services, Inc.

Papas Fritas 27 CTB1

Analytical Report Lab Order 2210A33

Date Reported: 10/28/2022

Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: BES22-37 2.5' Collection Date: 10/18/2022 11:10:00 AM **Becaived Date:** 10/20/2022 7:55:00 AM

Lab ID: 2210A33-015	Matrix: SOIL	Received Date: 10/20/2022 7:55:00 AM							
Analyses	Result	RL Qua	l Units	DF	Date Analyzed				
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst: JME				
Diesel Range Organics (DRO)	ND	15	mg/Kg	1	10/24/2022 1:14:26 PM				
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	10/24/2022 1:14:26 PM				
Surr: DNOP	93.4	21-129	%Rec	1	10/24/2022 1:14:26 PM				
EPA METHOD 8015D: GASOLINE RANGE	E				Analyst: NSB				
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	10/21/2022 9:49:32 PM				
Surr: BFB	90.3	37.7-212	%Rec	1	10/21/2022 9:49:32 PM				
EPA METHOD 8021B: VOLATILES					Analyst: NSB				
Benzene	ND	0.024	mg/Kg	1	10/21/2022 9:49:32 PM				
Toluene	ND	0.048	mg/Kg	1	10/21/2022 9:49:32 PM				
Ethylbenzene	ND	0.048	mg/Kg	1	10/21/2022 9:49:32 PM				
Xylenes, Total	ND	0.097	mg/Kg	1	10/21/2022 9:49:32 PM				
Surr: 4-Bromofluorobenzene	95.2	70-130	%Rec	1	10/21/2022 9:49:32 PM				
EPA METHOD 300.0: ANIONS					Analyst: JMT				
Chloride	390	60	mg/Kg	20	10/23/2022 3:30:12 PM				

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

Qualifiers:

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

н Holding times for preparation or analysis exceeded

Not Detected at the Reporting Limit

ND

PQL Practical Quanitative Limit

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

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

RL Reporting Limit Page 15 of 25

Project:

CLIENT: Vertex Resources Services, Inc.

Papas Fritas 27 CTB1

Analytical Report Lab Order 2210A33

Date Reported: 10/28/2022

Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: BES22-38 2.5' Collection Date: 10/18/2022 11:35:00 AM **Deceived Deter** 10/20/2022 7:55:00 AM

Lab ID: 2210A33-016	Matrix: SOIL	Recei	Received Date: 10/20/2022 7:55:00 AM							
Analyses	Result	RL Qua	l Units	DF	Date Analyzed					
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst: JME					
Diesel Range Organics (DRO)	ND	15	mg/Kg	1	10/24/2022 1:38:12 PM					
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	10/24/2022 1:38:12 PM					
Surr: DNOP	94.0	21-129	%Rec	1	10/24/2022 1:38:12 PM					
EPA METHOD 8015D: GASOLINE RANGE					Analyst: NSB					
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	10/21/2022 10:13:11 PM					
Surr: BFB	92.5	37.7-212	%Rec	1	10/21/2022 10:13:11 PM					
EPA METHOD 8021B: VOLATILES					Analyst: NSB					
Benzene	ND	0.024	mg/Kg	1	10/21/2022 10:13:11 PM					
Toluene	ND	0.048	mg/Kg	1	10/21/2022 10:13:11 PM					
Ethylbenzene	ND	0.048	mg/Kg	1	10/21/2022 10:13:11 PM					
Xylenes, Total	ND	0.096	mg/Kg	1	10/21/2022 10:13:11 PM					
Surr: 4-Bromofluorobenzene	98.6	70-130	%Rec	1	10/21/2022 10:13:11 PM					
EPA METHOD 300.0: ANIONS					Analyst: JMT					
Chloride	ND	60	mg/Kg	20	10/23/2022 3:42:37 PM					

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

Qualifiers:

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

н

Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit PQL Practical Quanitative Limit

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

- Analyte detected in the associated Method Blank в
- Above Quantitation Range/Estimated Value Е
- J Analyte detected below quantitation limits

Р Sample pH Not In Range

RL Reporting Limit Page 16 of 25

Date Reported: 10/28/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: WES22-24 1' **Project:** Papas Fritas 27 CTB1 Collection Date: 10/18/2022 1:00:00 PM Lab ID: 2210A33-017 Matrix: SOIL Received Date: 10/20/2022 7:55:00 AM Result **RL** Qual Units DF **Date Analyzed** Analyses **EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** Analyst: JME Diesel Range Organics (DRO) ND 15 mg/Kg 1 10/24/2022 2:01:57 PM Motor Oil Range Organics (MRO) ND 50 mg/Kg 1 10/24/2022 2:01:57 PM Surr: DNOP 95.4 21-129 %Rec 1 10/24/2022 2:01:57 PM **EPA METHOD 8015D: GASOLINE RANGE** Analyst: NSB Gasoline Range Organics (GRO) ND 10/21/2022 10:36:51 PM 4.7 mg/Kg 1 Surr: BFB 90.3 37.7-212 %Rec 1 10/21/2022 10:36:51 PM **EPA METHOD 8021B: VOLATILES** Analyst: NSB Benzene ND 0.023 mg/Kg 10/21/2022 10:36:51 PM 1 Toluene ND 0.047 mg/Kg 1 10/21/2022 10:36:51 PM Ethylbenzene ND 0.047 mg/Kg 1 10/21/2022 10:36:51 PM Xylenes, Total ND 0.093 mg/Kg 1 10/21/2022 10:36:51 PM Surr: 4-Bromofluorobenzene 95.0 70-130 %Rec 1 10/21/2022 10:36:51 PM **EPA METHOD 300.0: ANIONS** Analyst: JMT Chloride ND 60 10/23/2022 3:55:01 PM ma/Ka 20

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

Qualifiers:

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

Н Holding times for preparation or analysis exceeded

- ND Not Detected at the Reporting Limit
- POL
- Practical Quanitative Limit S

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

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

RL

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Date Reported: 10/28/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: WES22-13 2' **Project:** Papas Fritas 27 CTB1 Collection Date: 10/18/2022 1:15:00 PM Lab ID: 2210A33-018 Matrix: SOIL Received Date: 10/20/2022 7:55:00 AM Result **RL** Qual Units DF **Date Analyzed** Analyses **EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** Analyst: JME Diesel Range Organics (DRO) ND 14 mg/Kg 1 10/24/2022 2:25:40 PM Motor Oil Range Organics (MRO) ND 46 mg/Kg 1 10/24/2022 2:25:40 PM 21-129 Surr: DNOP 93.5 %Rec 1 10/24/2022 2:25:40 PM **EPA METHOD 8015D: GASOLINE RANGE** Analyst: NSB Gasoline Range Organics (GRO) ND 10/21/2022 11:00:28 PM 4.7 mg/Kg 1 Surr: BFB 92.7 37.7-212 %Rec 1 10/21/2022 11:00:28 PM **EPA METHOD 8021B: VOLATILES** Analyst: NSB Benzene ND 0.023 mg/Kg 10/21/2022 11:00:28 PM 1 Toluene ND 0.047 mg/Kg 1 10/21/2022 11:00:28 PM Ethylbenzene ND 0.047 mg/Kg 1 10/21/2022 11:00:28 PM Xylenes, Total ND 0.094 mg/Kg 1 10/21/2022 11:00:28 PM Surr: 4-Bromofluorobenzene 98.5 70-130 %Rec 1 10/21/2022 11:00:28 PM **EPA METHOD 300.0: ANIONS** Analyst: JMT Chloride ND 60 10/23/2022 4:07:26 PM ma/Ka 20

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

Qualifiers:

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

Н Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

POL Practical Quanitative Limit S

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

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

Reporting Limit RL

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Date Reported: 10/28/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: WES22-14 2' **Project:** Papas Fritas 27 CTB1 Collection Date: 10/18/2022 1:20:00 PM Lab ID: 2210A33-019 Matrix: SOIL Received Date: 10/20/2022 7:55:00 AM Result **RL** Qual Units DF **Date Analyzed** Analyses **EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** Analyst: JME Diesel Range Organics (DRO) ND 15 mg/Kg 1 10/24/2022 2:49:26 PM Motor Oil Range Organics (MRO) ND 49 mg/Kg 1 10/24/2022 2:49:26 PM 21-129 Surr: DNOP 93.4 %Rec 1 10/24/2022 2:49:26 PM **EPA METHOD 8015D: GASOLINE RANGE** Analyst: NSB Gasoline Range Organics (GRO) ND 10/21/2022 11:24:08 PM 4.9 mg/Kg 1 Surr: BFB 90.8 37.7-212 %Rec 1 10/21/2022 11:24:08 PM **EPA METHOD 8021B: VOLATILES** Analyst: NSB Benzene ND 0.024 mg/Kg 10/21/2022 11:24:08 PM 1 Toluene ND 0.049 mg/Kg 1 10/21/2022 11:24:08 PM Ethylbenzene ND 0.049 mg/Kg 1 10/21/2022 11:24:08 PM Xylenes, Total ND 0.097 mg/Kg 1 10/21/2022 11:24:08 PM Surr: 4-Bromofluorobenzene 95.4 70-130 %Rec 1 10/21/2022 11:24:08 PM **EPA METHOD 300.0: ANIONS** Analyst: JMT Chloride 61 10/23/2022 11:34:15 PM 160 ma/Ka 20

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

Qualifiers:

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

Н Holding times for preparation or analysis exceeded

- ND Not Detected at the Reporting Limit POL Practical Quanitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.

Analyte detected in the associated Method Blank в

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

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Date Reported: 10/28/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: WES22-18 1' **Project:** Papas Fritas 27 CTB1 Collection Date: 10/18/2022 1:45:00 PM Lab ID: 2210A33-020 Matrix: SOIL Received Date: 10/20/2022 7:55:00 AM Result **RL** Qual Units DF **Date Analyzed** Analyses **EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** Analyst: JME Diesel Range Organics (DRO) ND 15 mg/Kg 1 10/24/2022 3:13:14 PM Motor Oil Range Organics (MRO) ND 49 mg/Kg 1 10/24/2022 3:13:14 PM 21-129 Surr: DNOP 95.4 %Rec 1 10/24/2022 3:13:14 PM **EPA METHOD 8015D: GASOLINE RANGE** Analyst: NSB Gasoline Range Organics (GRO) ND 10/21/2022 11:47:47 PM 4.8 mg/Kg 1 Surr: BFB 88.2 37.7-212 %Rec 1 10/21/2022 11:47:47 PM **EPA METHOD 8021B: VOLATILES** Analyst: NSB Benzene ND 0.024 mg/Kg 10/21/2022 11:47:47 PM 1 Toluene ND 0.048 mg/Kg 1 10/21/2022 11:47:47 PM Ethylbenzene ND 0.048 mg/Kg 1 10/21/2022 11:47:47 PM Xylenes, Total ND 0.096 mg/Kg 1 10/21/2022 11:47:47 PM Surr: 4-Bromofluorobenzene 93.6 70-130 %Rec 1 10/21/2022 11:47:47 PM **EPA METHOD 300.0: ANIONS** Analyst: JMT Chloride 180 60 10/23/2022 4:44:41 PM ma/Ka 20

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

Qualifiers:

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

Н Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

POL Practical Quanitative Limit S

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

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

Reporting Limit RL

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QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

Client: Project:		Resources Services, Inc. ritas 27 CTB1		
Sample ID:	MB-70995	SampType: MBLK	TestCode: EPA Method 300.0: Anions	
Client ID:	PBS	Batch ID: 70995	RunNo: 92015	
Prep Date:	10/21/2022	Analysis Date: 10/21/2022	SeqNo: 3301708 Units: mg/Kg	
Analyte		Result PQL SPK valu	e SPK Ref Val %REC LowLimit HighLimit %R	PD RPDLimit Qual
Chloride		ND 1.5		
Sample ID:	LCS-70995	SampType: LCS	TestCode: EPA Method 300.0: Anions	
Client ID:	LCSS	Batch ID: 70995	RunNo: 92015	
Prep Date:	10/21/2022	Analysis Date: 10/21/2022	SeqNo: 3301709 Units: mg/Kg	
Analyte		Result PQL SPK valu	e SPK Ref Val %REC LowLimit HighLimit %R	PD RPDLimit Qual
Chloride		14 1.5 15.0	0 0 93.4 90 110	
Sample ID:	MB-70996	SampType: mblk	TestCode: EPA Method 300.0: Anions	
Client ID:	PBS	Batch ID: 70996	RunNo: 92023	
Prep Date:	10/21/2022	Analysis Date: 10/23/2022	SeqNo: 3301998 Units: mg/Kg	
Analyte		Result PQL SPK valu	e SPK Ref Val %REC LowLimit HighLimit %R	PD RPDLimit Qual
Chloride		ND 1.5		
Sample ID:	LCS-70996	SampType: Ics	TestCode: EPA Method 300.0: Anions	
Client ID:	LCSS	Batch ID: 70996	RunNo: 92023	
Prep Date:	10/21/2022	Analysis Date: 10/23/2022	SeqNo: 3301999 Units: mg/Kg	
Analyte		Result PQL SPK valu	e SPK Ref Val %REC LowLimit HighLimit %R	PD RPDLimit Qual
Chloride		14 1.5 15.0	0 0 95.0 90 110	
Sample ID:	MB-70995	SampType: mblk	TestCode: EPA Method 300.0: Anions	
Client ID:	PBS	Batch ID: 70995	RunNo: 92023	
Prep Date:	10/21/2022	Analysis Date: 10/23/2022	SeqNo: 3302027 Units: mg/Kg	
Analyte		Result PQL SPK valu	e SPK Ref Val %REC LowLimit HighLimit %R	PD RPDLimit Qual
Chloride		ND 1.5		
Sample ID:	LCS-70995	SampType: Ics	TestCode: EPA Method 300.0: Anions	
Client ID:	LCSS	Batch ID: 70995	RunNo: 92023	
Prep Date:	10/21/2022	Analysis Date: 10/23/2022	SeqNo: 3302028 Units: mg/Kg	
Analyte		Result PQL SPK valu	e SPK Ref Val %REC LowLimit HighLimit %R	PD RPDLimit Qual

Qualifiers:

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

2210A33

28-Oct-22

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

Client: Project:		esources Se tas 27 CTE		Inc.							
Sample ID:	LCS-70987	SampTy	ype: LC	S	Tes	tCode: EF	PA Method	8015M/D: Die	esel Range	e Organics	
Client ID:	LCSS	Batch	ID: 70	987	F	RunNo: 9 2	2025				
Prep Date:	10/21/2022	Analysis Da	ate: 10)/24/2022	S	SeqNo: 3	302245	Units: mg/k	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range (Organics (DRO)	43	15	50.00	0	86.5	64.4	127			
Surr: DNOP		4.4		5.000		88.5	21	129			
Sample ID:	MB-70987	SampTy	ype: ME	BLK	Tes	tCode: EF	PA Method	8015M/D: Die	esel Range	e Organics	
Client ID:	PBS	Batch	ID: 70	987	F	RunNo: 9 2	2025				
Prep Date:	10/21/2022	Analysis Da	ate: 10)/24/2022	S	SeqNo: 3	302247	Units: mg/k	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range (Organics (DRO)	ND	15								
Motor Oil Rang	e Organics (MRO)	ND	50								
Surr: DNOP		9.8		10.00		98.0	21	129			
Sample ID:	2210A33-001AMS	SampTy	ype: MS	3	Tes	tCode: EF	PA Method	8015M/D: Die	esel Range	e Organics	
Client ID:	BES22-41 2.5'	Batch	ID: 70	987	F	RunNo: 9 2	2025				
Prep Date:	10/21/2022	Analysis Da	ate: 10)/24/2022	S	SeqNo: 3	302439	Units: mg/k	íg		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range (Organics (DRO)	40	14	45.75	0	87.1	36.1	154			
Surr: DNOP		4.2		4.575		92.3	21	129			
Sample ID:	2210A33-001AMSI	D SampTy	ype: MS	SD	Tes	tCode: EF	PA Method	8015M/D: Die	esel Range	e Organics	
Client ID:	BES22-41 2.5'	Batch	ID: 70	987	F	RunNo: 9 2	2025				
Prep Date:	10/21/2022	Analysis Da	ate: 10)/24/2022	S	SeqNo: 3	302440	Units: mg/k	ſg		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range (Organics (DRO)	40	14	45.00	0	89.7	36.1	154	1.34	33.9	
Surr: DNOP		4.3		4.500		94.7	21	129	0	0	

Qualifiers:

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- % Recovery outside of standard limits. If undiluted results may be estimated. S
- Analyte detected in the associated Method Blank в
- Е Above Quantitation Range/Estimated Value
- J

2210A33

28-Oct-22

WO#:

Analyte detected below quantitation limits

- Р Sample pH Not In Range
- RL Reporting Limit

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QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

Client: Project:	Vertex Re Papas Fri	esources S tas 27 CT.		, Inc.							
Sample ID:	mb-70953	SampT	Гуре: МЕ	BLK	Tes	tCode: El	PA Method	8015D: Gaso	line Rang	e	
Client ID:	PBS	Batc	h ID: 70	953	F	RunNo: 9 2	2004				
Prep Date:	10/20/2022	Analysis E	Date: 10	0/21/2022	S	SeqNo: 3	300850	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Surr: BFB	e Organics (GRO)	ND 960	5.0	1000		96.3	37.7	212			
Sample ID:	lcs-70953	SampT	Гуре: LC	s	Tes	tCode: El	PA Method	8015D: Gaso	line Rang	e	
Client ID:	LCSS	Batc	h ID: 70	953	F	RunNo: 9 2	2004				
Prep Date:	10/20/2022	Analysis E	Date: 10	0/21/2022	S	SeqNo: 3	300851	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range	organics (GRO)	26	5.0	25.00	0	103	72.3	137			
Surr: BFB		3200		1000		316	37.7	212			S
Sample ID:	2210a33-001ams	SampT	Гуре: М S	6	Tes	tCode: El	PA Method	8015D: Gaso	line Rang	e	
Client ID:	BES22-41 2.5'	Batc	h ID: 70	953	F	RunNo: 9 2	2004				
Prep Date:	10/20/2022	Analysis E	Date: 10	0/21/2022	S	SeqNo: 3	300853	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range	e Organics (GRO)	29	5.0	24.80	0	115	70	130			
Surr: BFB		2000		992.1		205	37.7	212			
Sample ID:	2210a33-001amsd	SampT	Гуре: МS	SD	Tes	tCode: El	PA Method	8015D: Gaso	line Rang	e	
Client ID:	BES22-41 2.5'	Batc	h ID: 70	953	RunNo: 92004						
Prep Date:	10/20/2022	Analysis E	Date: 10	0/21/2022	S	SeqNo: 3	300854	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range	Organics (GRO)	29	4.9	24.73	0	116	70	130	0.533	20	
Surr: BFB		2100		989.1		208	37.7	212	0	0	
Sample ID:	mb-70932	SampT	Гуре: МЕ	BLK	Tes	tCode: El	PA Method	8015D: Gaso	line Rang	e	
Client ID:	PBS	Batc	h ID: 70	932	F	RunNo: 9 2	2004				
Prep Date:	10/19/2022	Analysis E	Date: 10	0/22/2022	S	SeqNo: 3	300881	Units: %Rec	;		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB		900		1000		89.6	37.7	212			
Sample ID:	lcs-70932	SampT	Гуре: LC	s	Tes	tCode: El	PA Method	8015D: Gasol	line Rana	e	
Client ID:			h ID: 70			RunNo: 9 :			5		
	10/19/2022	Analysis E				SeqNo: 3		Units: %Rec	;		
Analyte		Result	PQL		SPK Ref Val			HighLimit	%RPD	RPDLimit	Qual
Surr: BFB		2000		1000		196	37.7	212			Quui

Qualifiers:

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RL Reporting Limit

2210A33

28-Oct-22

Client:	Vertex Re	esources S	ervices,	Inc.							
Project:	Papas Fri	tas 27 CT	B1								
Sample ID:	mb-70953	SampT	Гуре: МЕ	BLK	Tes	tCode: E	PA Method	8021B: Vola	tiles		
Client ID:	PBS	Batcl	h ID: 70	953	F	RunNo: 92004					
Prep Date:	10/20/2022	Analysis E	Date: 10)/21/2022	S	SeqNo: 3	300919	Units: mg/k	٢g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene		ND	0.025								
Foluene		ND	0.050								
Ethylbenzene		ND	0.050								
Xylenes, Total		ND	0.10								
Surr: 4-Brom	nofluorobenzene	1.0		1.000		100	70	130			
Sample ID:	LCS-70953	SampT	Type: LC	S	Tes	tCode: E	PA Method	8021B: Vola	tiles		
Client ID:	LCSS	Batc	h ID: 70 9	953	F	RunNo: 9	2004				
Prep Date:	10/20/2022	Analysis E	Date: 10)/21/2022	S	SeqNo: 3	300920	Units: mg/k	٢g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene		1.0	0.025	1.000	0	99.7	80	120			
oluene		1.0	0.050	1.000	0	101	80	120			
Ethylbenzene		1.0	0.050	1.000	0	100	80	120			
Kylenes, Total		3.0	0.10	3.000	0	101	80	120			
Surr: 4-Brom	nofluorobenzene	1.0		1.000		100	70	130			
Sample ID:	2210a33-002ams	SampT	Гуре: МS	6	Tes	tCode: E	PA Method	8021B: Vola	tiles		
Client ID:	BES22-42 2.5'	Batc	h ID: 70 9	953	F	RunNo: 9	2004				
Prep Date:	10/20/2022	Analysis E	Date: 10)/21/2022	SeqNo: 3300923 Units: mg/Kg						
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene		0.97	0.024	0.9470	0.01307	101	68.8	120			
Toluene		1.0	0.047	0.9470	0.01354	104	73.6	124			
Ethylbenzene		1.0	0.047	0.9470	0	106	72.7	129			
(ylenes, Total		3.0	0.095	2.841	0.01932	106	75.7	126			
Surr: 4-Brom	nofluorobenzene	0.92		0.9470		96.9	70	130			
Sample ID:	2210a33-002amsd	SampT	Гуре: МS	SD.	Tes	tCode: E	PA Method	8021B: Vola	tiles		
Client ID:	BES22-42 2.5'	Batc	h ID: 70	953	F	RunNo: 9	2004				
									1 ~~		
Prep Date:	10/20/2022	Analysis E	Date: 10)/21/2022	S	SeqNo: 3	300924	Units: mg/k	g		
	10/20/2022	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Analyte Benzene	10/20/2022	Result 0.95	PQL 0.024	SPK value 0.9461	SPK Ref Val 0.01307	%REC 99.0	LowLimit 68.8	HighLimit 120	%RPD 2.16	20	Qual
Analyte Benzene Toluene	10/20/2022	Result 0.95 0.97	PQL 0.024 0.047	SPK value 0.9461 0.9461	SPK Ref Val 0.01307 0.01354	%REC 99.0 102	LowLimit 68.8 73.6	HighLimit 120 124	%RPD 2.16 2.92	20 20	Qual
Analyte Benzene Toluene Ethylbenzene	10/20/2022	Result 0.95 0.97 0.99	PQL 0.024 0.047 0.047	SPK value 0.9461 0.9461 0.9461	SPK Ref Val 0.01307 0.01354 0	%REC 99.0 102 104	LowLimit 68.8 73.6 72.7	HighLimit 120 124 129	%RPD 2.16 2.92 2.01	20 20 20	Qual
Analyte Benzene Foluene Ethylbenzene Kylenes, Total	10/20/2022	Result 0.95 0.97	PQL 0.024 0.047	SPK value 0.9461 0.9461	SPK Ref Val 0.01307 0.01354	%REC 99.0 102	LowLimit 68.8 73.6	HighLimit 120 124	%RPD 2.16 2.92	20 20	Qual

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2210A33

28-Oct-22

	ertex Resources Services pas Fritas 27 CTB1	, Inc.							
Sample ID: mb-70932	SampType: M	TestCode: EPA Method 8021B: Volatiles							
Client ID: PBS	S Batch ID: 70932 RunNo: 92004								
Prep Date: 10/19/202	Analysis Date: 1	0/22/2022	S	eqNo: 3	300943	Units: %Rec	;		
Analyte	Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzer	ne 0.96	1.000		95.5	70	130			
Sample ID: LCS-70932	SampType: LC	S	Test	Code: EF	PA Method	8021B: Volat	iles		
Client ID: LCSS	Batch ID: 70	932	R	unNo: 92	2004				
Prep Date: 10/19/202	2 Analysis Date: 1	0/22/2022	S	eqNo: 3	300944	Units: %Rec	:		
Analyte	Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzer	ne 0.96	1.000		96.5	70	130			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
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- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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28-Oct-22

ANALYSIS LABORATORY		TE	4901 Hawkins NE Albuquergue. NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com					Page 30 mple Log-In Check List			
С	lient Name:	Vertex Res Services, I		Work	Corder Nun	nber: 221	0A33	1		RcptNo: 1	
Re	eceived By:	Juan Roj	as	10/20/2	2022 7:55:0	0 AM		Guar	ag.		
Co	ompleted By:	Tracy Ca	arrubias	10/20/2	2022 8:17:2	8 AM					
Re	eviewed By: S										
Ch	ain of Cus	tody									
1.	Is Chain of Cu	ustody comp	lete?			Yes	\checkmark	No		Not Present	
2.	How was the	sample deliv	vered?			Cou	rier				
L	og In										
3.	Was an attem	pt made to	cool the sam	oles?		Yes		No			
4.	Were all samp	les received	at a temper	ature of >0° C	to 6.0°C	Yes		No			
5.	Sample(s) in p	proper conta	iner(s)?			Yes		No			
6.	Sufficient sam	ple volume f	or indicated I	est(s)?		Yes		No			
7. /	Are samples (e	except VOA	and ONG) pr	operly preserve	ed?	Yes	\checkmark	No			
8. 1	Was preservat	ive added to	bottles?			Yes		No	~	NA 🗌	
9. 1	Received at lea	ast 1 vial wit	h headspace	<1/4" for AQ \	/OA?	Yes		No		NA 🔽	
10.	Were any sam	ple containe	ers received I	oroken?		Yes		No		# of preserved	
	Does paperwo Note discrepa			/)		Yes		No		bottles checked for pH: (<2 or >12 unless noted)	
12.4	Are matrices c	orrectly iden	tified on Cha	in of Custody?		Yes		No		Adjusted?	
13.1	s it clear what	analyses we	ere requested	1?		Yes		No			
	Vere all holdin If no, notify cu			Ře		Yes		No		Checked by: KPU 10-20	• 0
Spe	cial Handli	ng (if app	licable)								
15.	Was client not	ified of all di	screpancies	with this order?	2	Yes		No		NA 🗹	
	Person I	Notified:	-		Date	:	_		-		
	By Who	m:			Via:	eMa	il 🔲 I	Phone	Fax	In Person	
	Regardir Client In	ng: structions:									
16.	Additional ren										
17.	Cooler Inform	nation									
	Cooler No 1	Temp °C 2.4	Condition Good	Seal Intact Yes	Seal No	Seal Da	ite	Signed E	Зу		
	_	12.2	142.42	10.75						1	

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October 31, 2022

Kent Stallings Devon Energy 6488 Seven Rivers Highway Artesia, NM 88210 TEL: (575) 748-0176 FAX:

RE: Papas fritas 27 CTB1

OrderNo.: 2210B03

Hall Environmental Analysis Laboratory

TEL: 505-345-3975 FAX: 505-345-4107

Website: www.hallenvironmental.com

4901 Hawkins NE

Albuquerque, NM 87109

Dear Kent Stallings:

Hall Environmental Analysis Laboratory received 33 sample(s) on 10/21/2022 for the analyses presented in the following report.

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

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

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

Sincerely,

andy

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

Papas fritas 27 CTB1

Project:

Analytical Report
Lab Order 2210B03

Date Reported: 10/31/2022

Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: BES22-25 2.5' Collection Date: 10/19/2022 8:45:00 AM Received Date: 10/21/2022 7:20:00 AM

Lab ID: 2210B03-001	Matrix: SOIL	Received Date: 10/21/2022 7:20:00 AM							
Analyses	Result	RL Qu	al Units	DF	Date Analyzed				
EPA METHOD 8015M/D: DIESEL RA	NGE ORGANICS				Analyst: DGH				
Diesel Range Organics (DRO)	ND	14	mg/Kg	1	10/25/2022 9:47:11 AM				
Motor Oil Range Organics (MRO)	ND	46	mg/Kg	1	10/25/2022 9:47:11 AM				
Surr: DNOP	91.9	21-129	%Rec	1	10/25/2022 9:47:11 AM				
EPA METHOD 8015D: GASOLINE RA	NGE				Analyst: NSB				
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	10/25/2022 2:27:27 AM				
Surr: BFB	96.3	37.7-212	%Rec	1	10/25/2022 2:27:27 AM				
EPA METHOD 8021B: VOLATILES					Analyst: NSB				
Benzene	ND	0.024	mg/Kg	1	10/25/2022 2:27:27 AM				
Toluene	ND	0.048	mg/Kg	1	10/25/2022 2:27:27 AM				
Ethylbenzene	ND	0.048	mg/Kg	1	10/25/2022 2:27:27 AM				
Xylenes, Total	ND	0.096	mg/Kg	1	10/25/2022 2:27:27 AM				
Surr: 4-Bromofluorobenzene	103	70-130	%Rec	1	10/25/2022 2:27:27 AM				
EPA METHOD 300.0: ANIONS					Analyst: JMT				
Chloride	300	60	mg/Kg	20	10/24/2022 5:45:13 PM				

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

Qualifiers:

Value exceeds Maximum Contaminant Level.
 Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

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

B Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

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Papas fritas 27 CTB1

2210B03-002

Project:

Lab ID:

Analytical Report Lab Order 2210B03

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 10/31/2022 Client Sample ID: BES22-26 2.5' Collection Date: 10/19/2022 8:45:00 AM

Received Date: 10/21/2022 7:20:00 AM

Analyses	Result	RL Qu	ual Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analyst: DGH
Diesel Range Organics (DRO)	ND	14	mg/Kg	1	10/25/2022 10:00:44 AM
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	10/25/2022 10:00:44 AM
Surr: DNOP	85.3	21-129	%Rec	1	10/25/2022 10:00:44 AM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: NSB
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	10/25/2022 2:50:59 AM
Surr: BFB	98.2	37.7-212	%Rec	1	10/25/2022 2:50:59 AM
EPA METHOD 8021B: VOLATILES					Analyst: NSB
Benzene	ND	0.025	mg/Kg	1	10/25/2022 2:50:59 AM
Toluene	ND	0.050	mg/Kg	1	10/25/2022 2:50:59 AM
Ethylbenzene	ND	0.050	mg/Kg	1	10/25/2022 2:50:59 AM
Xylenes, Total	ND	0.10	mg/Kg	1	10/25/2022 2:50:59 AM
Surr: 4-Bromofluorobenzene	106	70-130	%Rec	1	10/25/2022 2:50:59 AM
EPA METHOD 300.0: ANIONS					Analyst: JMT
Chloride	97	60	mg/Kg	20	10/24/2022 5:57:38 PM

Matrix: SOIL

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

Qualifiers:

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

н Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

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

Analyte detected in the associated Method Blank в

Above Quantitation Range/Estimated Value Е

J Analyte detected below quantitation limits

Р Sample pH Not In Range

RL Reporting Limit Page 2 of 40

Papas fritas 27 CTB1

Project:

Analytical Report Lab Order 2210B03

Date Reported: 10/31/2022

Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: BES22-27 2.5' Collection Date: 10/19/2022 8:55:00 AM **Deceived Dete:** 10/21/2022 7:20:00 AM

Lab ID: 2210B03-003	Matrix: SOIL	Rece	2022 7:20:00 AM		
Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RAN	GE ORGANICS				Analyst: DGH
Diesel Range Organics (DRO)	ND	15	mg/Kg	1	10/25/2022 10:14:26 AM
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	10/25/2022 10:14:26 AM
Surr: DNOP	93.7	21-129	%Rec	1	10/25/2022 10:14:26 AM
EPA METHOD 8015D: GASOLINE RA	NGE				Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	10/25/2022 3:14:27 AM
Surr: BFB	87.5	37.7-212	%Rec	1	10/25/2022 3:14:27 AM
EPA METHOD 8021B: VOLATILES					Analyst: NSB
Benzene	ND	0.024	mg/Kg	1	10/25/2022 3:14:27 AM
Toluene	ND	0.049	mg/Kg	1	10/25/2022 3:14:27 AM
Ethylbenzene	ND	0.049	mg/Kg	1	10/25/2022 3:14:27 AM
Xylenes, Total	ND	0.097	mg/Kg	1	10/25/2022 3:14:27 AM
Surr: 4-Bromofluorobenzene	93.4	70-130	%Rec	1	10/25/2022 3:14:27 AM
EPA METHOD 300.0: ANIONS					Analyst: JMT
Chloride	790	60	mg/Kg	20	10/24/2022 7:24:30 PM

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

Qualifiers:

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

н Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

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

Analyte detected in the associated Method Blank в

Е Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

Р Sample pH Not In Range

RL Reporting Limit Page 3 of 40

Papas fritas 27 CTB1

Project:

Analytical Report Lab Order 2210B03

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 10/31/2022

Client Sample ID: WES22-19 1' Collection Date: 10/19/2022 9:00:00 AM Received Date: 10/21/2022 7:20:00 AM

Lab ID: 2210B03-004	Matrix: SOIL	Rece	2022 7:20:00 AM		
Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst: DGH
Diesel Range Organics (DRO)	ND	15	mg/Kg	1	10/25/2022 10:27:57 AM
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	10/25/2022 10:27:57 AM
Surr: DNOP	88.5	21-129	%Rec	1	10/25/2022 10:27:57 AM
EPA METHOD 8015D: GASOLINE RANG	E				Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	10/25/2022 3:37:53 AM
Surr: BFB	91.3	37.7-212	%Rec	1	10/25/2022 3:37:53 AM
EPA METHOD 8021B: VOLATILES					Analyst: NSB
Benzene	ND	0.025	mg/Kg	1	10/25/2022 3:37:53 AM
Toluene	ND	0.049	mg/Kg	1	10/25/2022 3:37:53 AM
Ethylbenzene	ND	0.049	mg/Kg	1	10/25/2022 3:37:53 AM
Xylenes, Total	ND	0.098	mg/Kg	1	10/25/2022 3:37:53 AM
Surr: 4-Bromofluorobenzene	97.4	70-130	%Rec	1	10/25/2022 3:37:53 AM
EPA METHOD 300.0: ANIONS					Analyst: JMT
Chloride	89	60	mg/Kg	20	10/24/2022 7:36:54 PM

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

Qualifiers:

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

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Papas fritas 27 CTB1

Project:

Analytical Report Lab Order 2210B03

Date Reported: 10/31/2022

Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: WES22-22 1' Collection Date: 10/19/2022 9:05:00 AM Received Date: 10/21/2022 7:20:00 AM

Lab ID: 2210B03-005 Matrix: SOIL Result **RL** Qual Units DF **Date Analyzed** Analyses EPA METHOD 8015M/D: DIESEL RANGE ORGANICS Analyst: DGH Diesel Range Organics (DRO) ND 14 mg/Kg 1 10/25/2022 10:41:34 AM Motor Oil Range Organics (MRO) ND 48 mg/Kg 1 10/25/2022 10:41:34 AM Surr: DNOP 90.3 21-129 %Rec 1 10/25/2022 10:41:34 AM **EPA METHOD 8015D: GASOLINE RANGE** Analyst: NSB Gasoline Range Organics (GRO) ND 10/25/2022 4:01:21 AM 5.0 mg/Kg 1 Surr: BFB 98.4 37.7-212 %Rec 1 10/25/2022 4:01:21 AM **EPA METHOD 8021B: VOLATILES** Analyst: NSB Benzene ND 10/25/2022 4:01:21 AM 0.025 mg/Kg 1 Toluene ND 0.050 mg/Kg 1 10/25/2022 4:01:21 AM Ethylbenzene ND 0.050 mg/Kg 1 10/25/2022 4:01:21 AM Xylenes, Total ND mg/Kg 10/25/2022 4:01:21 AM 0.10 1 Surr: 4-Bromofluorobenzene 104 70-130 %Rec 1 10/25/2022 4:01:21 AM **EPA METHOD 300.0: ANIONS** Analyst: JMT Chloride mg/Kg 10/24/2022 7:49:18 PM 140 60 20

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

Qualifiers:

Value exceeds Maximum Contaminant Level Sample Diluted Due to Matrix

D Н Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit POL Practical Quanitative Limit

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

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

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Analytical Report Lab Order 2210B03

Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: WES22-23 1'

Project: Papas fritas 27 CTB1	Collection Date: 10/19/2022 9:10:00 AM						
Lab ID: 2210B03-006	Matrix: SOIL		ceived Date: 10/21/2022 7:20:00 AM				
Analyses	Result	RL Qual	Units	DF	Date Analyzed		
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst: DGH		
Diesel Range Organics (DRO)	ND	14	mg/Kg	1	10/25/2022 10:55:10 AM		
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	10/25/2022 10:55:10 AM		
Surr: DNOP	91.6	21-129	%Rec	1	10/25/2022 10:55:10 AM		
EPA METHOD 8015D: GASOLINE RANGI	E				Analyst: NSB		
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	10/25/2022 4:24:43 AM		
Surr: BFB	96.2	37.7-212	%Rec	1	10/25/2022 4:24:43 AM		
EPA METHOD 8021B: VOLATILES					Analyst: NSB		
Benzene	ND	0.025	mg/Kg	1	10/25/2022 4:24:43 AM		
Toluene	ND	0.049	mg/Kg	1	10/25/2022 4:24:43 AM		
Ethylbenzene	ND	0.049	mg/Kg	1	10/25/2022 4:24:43 AM		
Xylenes, Total	ND	0.098	mg/Kg	1	10/25/2022 4:24:43 AM		
Surr: 4-Bromofluorobenzene	104	70-130	%Rec	1	10/25/2022 4:24:43 AM		
EPA METHOD 300.0: ANIONS					Analyst: JMT		
Chloride	97	60	mg/Kg	20	10/24/2022 8:01:42 PM		

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

Qualifiers:

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

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

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

B Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

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Papas fritas 27 CTB1

Project:

Chloride

Analytical Report Lab Order 2210B03

Date Reported: 10/31/2022

10/24/2022 8:14:06 PM

Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: WES22-25 1' Collection Date: 10/19/2022 9:15:00 AM

Lab ID: 2210B03-007 Matrix: SOIL Received Date: 10/21/2022 7:20:00 AM Result **RL** Qual Units DF **Date Analyzed** Analyses EPA METHOD 8015M/D: DIESEL RANGE ORGANICS Analyst: DGH Diesel Range Organics (DRO) ND 14 mg/Kg 1 10/25/2022 11:08:40 AM Motor Oil Range Organics (MRO) ND 48 mg/Kg 1 10/25/2022 11:08:40 AM Surr: DNOP 76.8 21-129 %Rec 1 10/25/2022 11:08:40 AM **EPA METHOD 8015D: GASOLINE RANGE** Analyst: NSB Gasoline Range Organics (GRO) ND 10/25/2022 4:48:11 AM 5.0 mg/Kg 1 Surr: BFB 96.5 37.7-212 %Rec 1 10/25/2022 4:48:11 AM **EPA METHOD 8021B: VOLATILES** Analyst: NSB Benzene ND 10/25/2022 4:48:11 AM 0.025 mg/Kg 1 Toluene ND 0.050 mg/Kg 1 10/25/2022 4:48:11 AM Ethylbenzene ND 0.050 mg/Kg 1 10/25/2022 4:48:11 AM Xylenes, Total ND mg/Kg 10/25/2022 4:48:11 AM 0.099 1 Surr: 4-Bromofluorobenzene 103 70-130 %Rec 1 10/25/2022 4:48:11 AM **EPA METHOD 300.0: ANIONS** Analyst: JMT

110

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

Qualifiers:

Value exceeds Maximum Contaminant Level Sample Diluted Due to Matrix

D Н Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit POL

Practical Quanitative Limit S

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

Analyte detected in the associated Method Blank в

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

mg/Kg

20

60

Р Sample pH Not In Range Reporting Limit

RL

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Analytical Report Lab Order 2210B03

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 10/31/2022 Client Sample ID: WES22-06 1' Collection Date: 10/19/2022 9:20:00 AM

Project: Papas fritas 27 CTB1		Collection Date: 10/19/2022 9:20:00 AM					
Lab ID: 2210B03-008	Matrix: SOIL	Receiv	2022 7:20:00 AM				
Analyses	Result	RL Qua	l Units	DF	Date Analyzed		
EPA METHOD 8015M/D: DIESEL	RANGE ORGANICS				Analyst: DGH		
Diesel Range Organics (DRO)	ND	15	mg/Kg	1	10/25/2022 11:22:15 AM		
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	10/25/2022 11:22:15 AM		
Surr: DNOP	85.3	21-129	%Rec	1	10/25/2022 11:22:15 AM		
EPA METHOD 8015D: GASOLINE	ERANGE				Analyst: NSB		
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	10/25/2022 5:11:40 AM		
Surr: BFB	89.6	37.7-212	%Rec	1	10/25/2022 5:11:40 AM		
EPA METHOD 8021B: VOLATILE	S				Analyst: NSB		
Benzene	ND	0.025	mg/Kg	1	10/25/2022 5:11:40 AM		
Toluene	ND	0.050	mg/Kg	1	10/25/2022 5:11:40 AM		
Ethylbenzene	ND	0.050	mg/Kg	1	10/25/2022 5:11:40 AM		
Xylenes, Total	ND	0.10	mg/Kg	1	10/25/2022 5:11:40 AM		
Surr: 4-Bromofluorobenzene	96.1	70-130	%Rec	1	10/25/2022 5:11:40 AM		
EPA METHOD 300.0: ANIONS					Analyst: JMT		
Chloride	110	60	mg/Kg	20	10/24/2022 8:26:31 PM		

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

Qualifiers:

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

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

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Project: Papas fritas 27 CTB1

Analytical Report Lab Order 2210B03

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 10/31/2022

Client Sample ID: WES22-07 1' Collection Date: 10/19/2022 9:25:00 AM

Lab ID: 2210B03-009	Matrix: SOIL	2022 7:20:00 AM			
Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst: DGH
Diesel Range Organics (DRO)	ND	15	mg/Kg	1	10/25/2022 11:35:55 AM
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	10/25/2022 11:35:55 AM
Surr: DNOP	78.8	21-129	%Rec	1	10/25/2022 11:35:55 AM
EPA METHOD 8015D: GASOLINE RANG	E				Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	10/24/2022 3:05:00 PM
Surr: BFB	107	37.7-212	%Rec	1	10/24/2022 3:05:00 PM
EPA METHOD 8021B: VOLATILES					Analyst: CCM
Benzene	ND	0.024	mg/Kg	1	10/24/2022 3:05:00 PM
Toluene	ND	0.048	mg/Kg	1	10/24/2022 3:05:00 PM
Ethylbenzene	ND	0.048	mg/Kg	1	10/24/2022 3:05:00 PM
Xylenes, Total	ND	0.095	mg/Kg	1	10/24/2022 3:05:00 PM
Surr: 4-Bromofluorobenzene	106	70-130	%Rec	1	10/24/2022 3:05:00 PM
EPA METHOD 300.0: ANIONS					Analyst: JMT
Chloride	ND	60	mg/Kg	20	10/24/2022 9:03:45 PM

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

Qualifiers:

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

н Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

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

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

RL Reporting Limit Page 9 of 40

Analytical Report Lab Order 2210B03

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 10/31/2022 Client Sample ID: WES22-03 1' Collection Date: 10/19/2022 9:55:00 AM

Project:	Papas fritas 27 CTB1		Collection Date: 10/19/2022 9:55:00 AM					
Lab ID:	2210B03-010	Matrix: SOIL	Rece	Received Date: 10/21/2022 7:20:00 AM				
Analyses		Result	RL Qu	al Units	DF	Date Analyzed		
EPA MET	THOD 8015M/D: DIESEL RAI	NGE ORGANICS				Analyst: DGH		
Diesel Ra	ange Organics (DRO)	ND	15	mg/Kg	1	10/25/2022 11:49:24 AM		
Motor Oil	Range Organics (MRO)	ND	49	mg/Kg	1	10/25/2022 11:49:24 AM		
Surr: [DNOP	76.9	21-129	%Rec	1	10/25/2022 11:49:24 AM		
EPA ME	THOD 8015D: GASOLINE RA	NGE				Analyst: CCM		
Gasoline	Range Organics (GRO)	ND	4.9	mg/Kg	1	10/24/2022 3:45:00 PM		
Surr: E	3FB	104	37.7-212	%Rec	1	10/24/2022 3:45:00 PM		
EPA ME	THOD 8021B: VOLATILES					Analyst: CCM		
Benzene		ND	0.024	mg/Kg	1	10/24/2022 3:45:00 PM		
Toluene		ND	0.049	mg/Kg	1	10/24/2022 3:45:00 PM		
Ethylben	zene	ND	0.049	mg/Kg	1	10/24/2022 3:45:00 PM		
Xylenes,	Total	ND	0.098	mg/Kg	1	10/24/2022 3:45:00 PM		
Surr: 4	I-Bromofluorobenzene	110	70-130	%Rec	1	10/24/2022 3:45:00 PM		
EPA ME	THOD 300.0: ANIONS					Analyst: JMT		
Chloride		ND	60	mg/Kg	20	10/24/2022 9:16:10 PM		

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

Qualifiers:

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

н Holding times for preparation or analysis exceeded

- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit

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

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

RL Reporting Limit Page 10 of 40

Project:

Lab ID:

Papas fritas 27 CTB1

2210B03-011

Analytical Report Lab Order 2210B03

Date Reported: 10/31/2022

Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: WES22-04 1' Collection Date: 10/19/2022 10:00:00 AM Received Date: 10/21/2022 7:20:00 AM

Lub ID: 2210D05 011	Matrix: 5012					
Analyses	Result	RL Qu	al Units	DF	Date Analyzed	
EPA METHOD 8015M/D: DIESEL RANG	GE ORGANICS				Analyst: DGH	
Diesel Range Organics (DRO)	ND	14	mg/Kg	1	10/25/2022 3:15:29 PM	
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	10/25/2022 3:15:29 PM	
Surr: DNOP	80.4	21-129	%Rec	1	10/25/2022 3:15:29 PM	
EPA METHOD 8015D: GASOLINE RAN	IGE				Analyst: CCM	
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	10/24/2022 4:05:00 PM	
Surr: BFB	106	37.7-212	%Rec	1	10/24/2022 4:05:00 PM	
EPA METHOD 8021B: VOLATILES					Analyst: CCM	
Benzene	ND	0.025	mg/Kg	1	10/24/2022 4:05:00 PM	
Toluene	ND	0.050	mg/Kg	1	10/24/2022 4:05:00 PM	
Ethylbenzene	ND	0.050	mg/Kg	1	10/24/2022 4:05:00 PM	
Xylenes, Total	ND	0.099	mg/Kg	1	10/24/2022 4:05:00 PM	
Surr: 4-Bromofluorobenzene	108	70-130	%Rec	1	10/24/2022 4:05:00 PM	
EPA METHOD 300.0: ANIONS					Analyst: JMT	
Chloride	ND	60	mg/Kg	20	10/24/2022 9:28:34 PM	

Matrix: SOIL

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

Qualifiers:

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

н Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

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

Analyte detected in the associated Method Blank в

Above Quantitation Range/Estimated Value Е

J Analyte detected below quantitation limits

Р Sample pH Not In Range

RL Reporting Limit Page 11 of 40

Papas fritas 27 CTB1

Project:

Analytical Report Lab Order 2210B03

Date Reported: 10/31/2022

Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: WES22-05 1' Collection Date: 10/19/2022 10:05:00 AM

20

Lab ID: 2210B03-012 Matrix: SOIL Received Date: 10/21/2022 7:20:00 AM Result **RL** Qual Units DF **Date Analyzed** Analyses EPA METHOD 8015M/D: DIESEL RANGE ORGANICS Analyst: DGH Diesel Range Organics (DRO) ND 15 mg/Kg 1 10/25/2022 12:16:29 PM Motor Oil Range Organics (MRO) ND 50 mg/Kg 1 10/25/2022 12:16:29 PM 21-129 Surr: DNOP 77.3 %Rec 1 10/25/2022 12:16:29 PM **EPA METHOD 8015D: GASOLINE RANGE** Analyst: CCM Gasoline Range Organics (GRO) ND 10/24/2022 4:25:00 PM 5.0 mg/Kg 1 Surr: BFB 97.5 37.7-212 %Rec 1 10/24/2022 4:25:00 PM **EPA METHOD 8021B: VOLATILES** Analyst: CCM Benzene ND 10/24/2022 4:25:00 PM 0.025 mg/Kg 1 Toluene ND 0.050 mg/Kg 1 10/24/2022 4:25:00 PM Ethylbenzene ND 0.050 mg/Kg 1 10/24/2022 4:25:00 PM Xylenes, Total ND mg/Kg 10/24/2022 4:25:00 PM 0.099 1 Surr: 4-Bromofluorobenzene 104 70-130 %Rec 1 10/24/2022 4:25:00 PM **EPA METHOD 300.0: ANIONS** Analyst: JMT Chloride mg/Kg 10/24/2022 10:05:46 PM

ND

60

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

Qualifiers:

Value exceeds Maximum Contaminant Level Sample Diluted Due to Matrix

D Н Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit POL Practical Quanitative Limit

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

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

RL Reporting Limit Page 12 of 40

Project: Papas fritas 27 CTB1

Analytical Report Lab Order 2210B03

Date Reported: 10/31/2022

10/24/2022 10:18:10 PM

Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: BES22-13 2.5' Collection Date: 10/19/2022 10:30:00 AM

Lab ID: 2210B03-013	Matrix: SOIL	Received Date: 10/21/2022 7:20:00 AM				
Analyses	Result	RL Qua	al Units	DF	Date Analyzed	
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst: DGH	
Diesel Range Organics (DRO)	ND	14	mg/Kg	1	10/25/2022 12:30:00 PM	
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	10/25/2022 12:30:00 PM	
Surr: DNOP	82.9	21-129	%Rec	1	10/25/2022 12:30:00 PM	
EPA METHOD 8015D: GASOLINE RANG	E				Analyst: CCM	
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	10/24/2022 4:44:00 PM	
Surr: BFB	99.0	37.7-212	%Rec	1	10/24/2022 4:44:00 PM	
EPA METHOD 8021B: VOLATILES					Analyst: CCM	
Benzene	ND	0.025	mg/Kg	1	10/24/2022 4:44:00 PM	
Toluene	ND	0.049	mg/Kg	1	10/24/2022 4:44:00 PM	
Ethylbenzene	ND	0.049	mg/Kg	1	10/24/2022 4:44:00 PM	
Xylenes, Total	ND	0.098	mg/Kg	1	10/24/2022 4:44:00 PM	
Surr: 4-Bromofluorobenzene	102	70-130	%Rec	1	10/24/2022 4:44:00 PM	
EPA METHOD 300.0: ANIONS					Analyst: JMT	

ND

60

mg/Kg

20

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

Qualifiers:

Chloride

Value exceeds Maximum Contaminant Level. Sample Diluted Due to Matrix

ND Not Detected at the Reporting Limit PQL

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

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

RL Reporting Limit Page 13 of 40

D н Holding times for preparation or analysis exceeded

Papas fritas 27 CTB1

Project:

Analytical Report Lab Order 2210B03

Date Reported: 10/31/2022

Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: BES22-14 2.5' Collection Date: 10/19/2022 10:35:00 AM Received Date: 10/21/2022 7:20:00 AM

Lab ID: 2210B03-014	Matrix: SOIL	Rece	2022 7:20:00 AM		
Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RA	NGE ORGANICS				Analyst: DGH
Diesel Range Organics (DRO)	ND	15	mg/Kg	1	10/25/2022 12:43:38 PM
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	10/25/2022 12:43:38 PM
Surr: DNOP	75.7	21-129	%Rec	1	10/25/2022 12:43:38 PM
EPA METHOD 8015D: GASOLINE RA	ANGE				Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	10/24/2022 5:04:00 PM
Surr: BFB	102	37.7-212	%Rec	1	10/24/2022 5:04:00 PM
EPA METHOD 8021B: VOLATILES					Analyst: CCM
Benzene	ND	0.024	mg/Kg	1	10/24/2022 5:04:00 PM
Toluene	ND	0.048	mg/Kg	1	10/24/2022 5:04:00 PM
Ethylbenzene	ND	0.048	mg/Kg	1	10/24/2022 5:04:00 PM
Xylenes, Total	ND	0.097	mg/Kg	1	10/24/2022 5:04:00 PM
Surr: 4-Bromofluorobenzene	106	70-130	%Rec	1	10/24/2022 5:04:00 PM
EPA METHOD 300.0: ANIONS					Analyst: JMT
Chloride	ND	60	mg/Kg	20	10/24/2022 10:30:35 PM

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

Qualifiers:

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

н Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

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

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

RL

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Project: Papas fritas 27 CTB1

Analytical Report Lab Order 2210B03

Date Reported: 10/31/2022

Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: BES22-15 2.5' Collection Date: 10/19/2022 10:40:00 AM

Lab ID: 2210B03-015	Matrix: SOIL	DIL Received Date: 10/21/2022 7:20:00				
Analyses	Result	RL Qu	al Units	DF	Date Analyzed	
EPA METHOD 8015M/D: DIESEL RA	NGE ORGANICS				Analyst: DGH	
Diesel Range Organics (DRO)	ND	15	mg/Kg	1	10/25/2022 12:57:28 PM	
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	10/25/2022 12:57:28 PM	
Surr: DNOP	81.8	21-129	%Rec	1	10/25/2022 12:57:28 PM	
EPA METHOD 8015D: GASOLINE R	ANGE				Analyst: CCM	
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	10/24/2022 5:24:00 PM	
Surr: BFB	103	37.7-212	%Rec	1	10/24/2022 5:24:00 PM	
EPA METHOD 8021B: VOLATILES					Analyst: CCM	
Benzene	ND	0.024	mg/Kg	1	10/24/2022 5:24:00 PM	
Toluene	ND	0.048	mg/Kg	1	10/24/2022 5:24:00 PM	
Ethylbenzene	ND	0.048	mg/Kg	1	10/24/2022 5:24:00 PM	
Xylenes, Total	ND	0.096	mg/Kg	1	10/24/2022 5:24:00 PM	
Surr: 4-Bromofluorobenzene	108	70-130	%Rec	1	10/24/2022 5:24:00 PM	
EPA METHOD 300.0: ANIONS					Analyst: JMT	
Chloride	ND	60	mg/Kg	20	10/24/2022 10:42:59 PM	

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

Qualifiers:

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

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Papas fritas 27 CTB1

Project:

Analytical Report Lab Order 2210B03

Date Reported: 10/31/2022

Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: BES22-17 2.5' Collection Date: 10/19/2022 10:45:00 AM **D**ecoived Date: 10/21/2022 7:20:00 AM

Lab ID: 2210B03-016	Matrix: SOIL	2022 7:20:00 AM			
Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RA	NGE ORGANICS				Analyst: DGH
Diesel Range Organics (DRO)	ND	14	mg/Kg	1	10/25/2022 1:11:00 PM
Motor Oil Range Organics (MRO)	ND	46	mg/Kg	1	10/25/2022 1:11:00 PM
Surr: DNOP	73.8	21-129	%Rec	1	10/25/2022 1:11:00 PM
EPA METHOD 8015D: GASOLINE RA	NGE				Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	10/24/2022 5:43:00 PM
Surr: BFB	109	37.7-212	%Rec	1	10/24/2022 5:43:00 PM
EPA METHOD 8021B: VOLATILES					Analyst: CCM
Benzene	ND	0.024	mg/Kg	1	10/24/2022 5:43:00 PM
Toluene	ND	0.048	mg/Kg	1	10/24/2022 5:43:00 PM
Ethylbenzene	ND	0.048	mg/Kg	1	10/24/2022 5:43:00 PM
Xylenes, Total	ND	0.096	mg/Kg	1	10/24/2022 5:43:00 PM
Surr: 4-Bromofluorobenzene	107	70-130	%Rec	1	10/24/2022 5:43:00 PM
EPA METHOD 300.0: ANIONS					Analyst: JMT
Chloride	ND	60	mg/Kg	20	10/24/2022 10:55:23 PM

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

Qualifiers:

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

н Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

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

Analyte detected in the associated Method Blank в

Е Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

Р Sample pH Not In Range

RL Reporting Limit Page 16 of 40

Papas fritas 27 CTB1

Project:

Analytical Report Lab Order 2210B03

Date Reported: 10/31/2022

Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: BES22-19 2.5' Collection Date: 10/19/2022 10:50:00 AM **Deceived Deter** 10/21/2022 7.20.00 AM

Lab ID: 2210B03-017	Matrix: SOIL	2022 7:20:00 AM			
Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RAI	NGE ORGANICS				Analyst: DGH
Diesel Range Organics (DRO)	ND	14	mg/Kg	1	10/25/2022 1:24:37 PM
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	10/25/2022 1:24:37 PM
Surr: DNOP	84.6	21-129	%Rec	1	10/25/2022 1:24:37 PM
EPA METHOD 8015D: GASOLINE RA	NGE				Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	10/24/2022 6:03:00 PM
Surr: BFB	95.5	37.7-212	%Rec	1	10/24/2022 6:03:00 PM
EPA METHOD 8021B: VOLATILES					Analyst: CCM
Benzene	ND	0.024	mg/Kg	1	10/24/2022 6:03:00 PM
Toluene	ND	0.048	mg/Kg	1	10/24/2022 6:03:00 PM
Ethylbenzene	ND	0.048	mg/Kg	1	10/24/2022 6:03:00 PM
Xylenes, Total	ND	0.097	mg/Kg	1	10/24/2022 6:03:00 PM
Surr: 4-Bromofluorobenzene	104	70-130	%Rec	1	10/24/2022 6:03:00 PM
EPA METHOD 300.0: ANIONS					Analyst: JMT
Chloride	ND	60	mg/Kg	20	10/24/2022 11:32:37 PM

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

Qualifiers:

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

н Holding times for preparation or analysis exceeded

Not Detected at the Reporting Limit

ND PQL Practical Quanitative Limit

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

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

RL Reporting Limit Page 17 of 40

Papas fritas 27 CTB1

Project:

Analytical Report Lab Order 2210B03

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 10/31/2022

Client Sample ID: WES22-26 1' Collection Date: 10/19/2022 10:55:00 AM **Deceived Deter** 10/21/2022 7.20.00 AM

Lab ID: 2210B03-018	Matrix: SOIL	Received Date: 10/21/2022 7:20:00 AM				
Analyses	Result	RL Qual Units D		DF	DF Date Analyzed	
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst: DGH	
Diesel Range Organics (DRO)	ND	14	mg/Kg	1	10/25/2022 1:38:28 PM	
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	10/25/2022 1:38:28 PM	
Surr: DNOP	86.3	21-129	%Rec	1	10/25/2022 1:38:28 PM	
EPA METHOD 8015D: GASOLINE RANG	E				Analyst: CCM	
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	10/24/2022 6:23:00 PM	
Surr: BFB	103	37.7-212	%Rec	1	10/24/2022 6:23:00 PM	
EPA METHOD 8021B: VOLATILES					Analyst: CCM	
Benzene	ND	0.025	mg/Kg	1	10/24/2022 6:23:00 PM	
Toluene	ND	0.049	mg/Kg	1	10/24/2022 6:23:00 PM	
Ethylbenzene	ND	0.049	mg/Kg	1	10/24/2022 6:23:00 PM	
Xylenes, Total	ND	0.098	mg/Kg	1	10/24/2022 6:23:00 PM	
Surr: 4-Bromofluorobenzene	110	70-130	%Rec	1	10/24/2022 6:23:00 PM	
EPA METHOD 300.0: ANIONS					Analyst: JMT	
Chloride	ND	60	mg/Kg	20	10/24/2022 11:45:01 PM	

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

Qualifiers:

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

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Analytical Report Lab Order 2210B03

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 10/31/2022 Client Sample ID: WES22-28 1'

Project:	Papas fritas 27 CTB1	Collection Date: 10/19/2022 11:00:00 AM					
Lab ID:	2210B03-019	Matrix: SOIL	Received Date: 10/21/2022 7:20:00 AM				
Analyses		Result	RL Qua	al Units	DF	Date Analyzed	
EPA ME	THOD 8015M/D: DIESEL RA	NGE ORGANICS				Analyst: JME	
Diesel R	ange Organics (DRO)	ND	15	mg/Kg	1	10/25/2022 9:49:39 AM	
Motor O	il Range Organics (MRO)	ND	49	mg/Kg	1	10/25/2022 9:49:39 AM	
Surr:	DNOP	85.0	21-129	%Rec	1	10/25/2022 9:49:39 AM	
EPA ME	THOD 8015D: GASOLINE RA	ANGE				Analyst: CCM	
Gasoline	e Range Organics (GRO)	ND	5.0	mg/Kg	1	10/24/2022 8:22:00 PM	
Surr:	BFB	99.9	37.7-212	%Rec	1	10/24/2022 8:22:00 PM	
EPA ME	THOD 8021B: VOLATILES					Analyst: CCM	
Benzene	9	ND	0.025	mg/Kg	1	10/24/2022 8:22:00 PM	
Toluene		ND	0.050	mg/Kg	1	10/24/2022 8:22:00 PM	
Ethylben	izene	ND	0.050	mg/Kg	1	10/24/2022 8:22:00 PM	
Xylenes,	Total	ND	0.099	mg/Kg	1	10/24/2022 8:22:00 PM	
Surr:	4-Bromofluorobenzene	109	70-130	%Rec	1	10/24/2022 8:22:00 PM	
EPA ME	THOD 300.0: ANIONS					Analyst: JMT	
Chloride		ND	59	mg/Kg	20	10/24/2022 11:57:25 PM	

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

Qualifiers:

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

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Papas fritas 27 CTB1

2210B03-020

Project:

Lab ID:

Analytical Report Lab Order 2210B03

Date Reported: 10/31/2022

Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: WES22-29 1' Collection Date: 10/19/2022 11:05:00 AM

Received Date: 10/21/2022 7:20:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE OF	GANICS				Analyst: JME
Diesel Range Organics (DRO)	ND	13	mg/Kg	1	10/25/2022 10:13:29 AM
Motor Oil Range Organics (MRO)	ND	45	mg/Kg	1	10/25/2022 10:13:29 AM
Surr: DNOP	92.8	21-129	%Rec	1	10/25/2022 10:13:29 AM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: CCM
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	10/24/2022 9:21:00 PM
Surr: BFB	98.1	37.7-212	%Rec	1	10/24/2022 9:21:00 PM
EPA METHOD 8021B: VOLATILES					Analyst: CCM
Benzene	ND	0.025	mg/Kg	1	10/24/2022 9:21:00 PM
Toluene	ND	0.050	mg/Kg	1	10/24/2022 9:21:00 PM
Ethylbenzene	ND	0.050	mg/Kg	1	10/24/2022 9:21:00 PM
Xylenes, Total	ND	0.10	mg/Kg	1	10/24/2022 9:21:00 PM
Surr: 4-Bromofluorobenzene	108	70-130	%Rec	1	10/24/2022 9:21:00 PM
EPA METHOD 300.0: ANIONS					Analyst: JMT
Chloride	ND	60	mg/Kg	20	10/25/2022 12:34:37 AM

Matrix: SOIL

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

Qualifiers:

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

н Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

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

Analyte detected in the associated Method Blank в

Above Quantitation Range/Estimated Value Е

J Analyte detected below quantitation limits

Р Sample pH Not In Range

RL Reporting Limit Page 20 of 40

Project: Papas fritas 27 CTB1

Analytical Report Lab Order 2210B03

Date Reported: 10/31/2022

Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: BES22-23 2.5' Collection Date: 10/19/2022 12:30:00 PM

Lab ID: 2210B03-021	Matrix: SOIL	Received Date: 10/21/2022 7:20:00 AM				
Analyses	Result	RL Qual Units D		DF	DF Date Analyzed	
EPA METHOD 8015M/D: DIESEL RANG	E ORGANICS				Analyst: JME	
Diesel Range Organics (DRO)	ND	15	mg/Kg	1	10/25/2022 10:37:19 AM	
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	10/25/2022 10:37:19 AM	
Surr: DNOP	90.0	21-129	%Rec	1	10/25/2022 10:37:19 AM	
EPA METHOD 8015D: GASOLINE RANG	θE				Analyst: CCM	
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	10/24/2022 10:20:00 PM	
Surr: BFB	101	37.7-212	%Rec	1	10/24/2022 10:20:00 PM	
EPA METHOD 8021B: VOLATILES					Analyst: CCM	
Benzene	ND	0.024	mg/Kg	1	10/24/2022 10:20:00 PM	
Toluene	ND	0.049	mg/Kg	1	10/24/2022 10:20:00 PM	
Ethylbenzene	ND	0.049	mg/Kg	1	10/24/2022 10:20:00 PM	
Xylenes, Total	ND	0.097	mg/Kg	1	10/24/2022 10:20:00 PM	
Surr: 4-Bromofluorobenzene	109	70-130	%Rec	1	10/24/2022 10:20:00 PM	
EPA METHOD 300.0: ANIONS					Analyst: JMT	
Chloride	ND	60	mg/Kg	20	10/25/2022 1:11:50 AM	

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

Qualifiers:

Value exceeds Maximum Contaminant Level. Sample Diluted Due to Matrix

D н Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit PQL Practical Quanitative Limit

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

Analyte detected in the associated Method Blank в

Above Quantitation Range/Estimated Value Е

J Analyte detected below quantitation limits

Р Sample pH Not In Range

RL Reporting Limit Page 21 of 40

Papas fritas 27 CTB1

2210B03-022

Project:

Lab ID:

Analytical Report Lab Order 2210B03

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 10/31/2022 Client Sample ID: WES22-27 1' Collection Date: 10/19/2022 12:35:00 PM

Received Date: 10/21/2022 7:20:00 AM

Analyses	Result	RL Ç	Qual Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORG	GANICS				Analyst: JME
Diesel Range Organics (DRO)	ND	14	mg/Kg	1	10/25/2022 11:01:08 AM
Motor Oil Range Organics (MRO)	ND	46	mg/Kg	1	10/25/2022 11:01:08 AM
Surr: DNOP	90.3	21-129	%Rec	1	10/25/2022 11:01:08 AM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: CCM
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	10/24/2022 10:40:00 PM
Surr: BFB	97.7	37.7-212	%Rec	1	10/24/2022 10:40:00 PM
EPA METHOD 8021B: VOLATILES					Analyst: CCM
Benzene	ND	0.025	mg/Kg	1	10/24/2022 10:40:00 PM
Toluene	ND	0.050	mg/Kg	1	10/24/2022 10:40:00 PM
Ethylbenzene	ND	0.050	mg/Kg	1	10/24/2022 10:40:00 PM
Xylenes, Total	ND	0.099	mg/Kg	1	10/24/2022 10:40:00 PM
Surr: 4-Bromofluorobenzene	107	70-130	%Rec	1	10/24/2022 10:40:00 PM
EPA METHOD 300.0: ANIONS					Analyst: JMT
Chloride	ND	60	mg/Kg	20	10/25/2022 1:24:14 AM

Matrix: SOIL

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

Qualifiers:

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

н Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

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

Analyte detected in the associated Method Blank в

Above Quantitation Range/Estimated Value Е

J Analyte detected below quantitation limits

Р Sample pH Not In Range

RL Reporting Limit Page 22 of 40

Papas fritas 27 CTB1

Project:

Analytical Report Lab Order 2210B03

Date Reported: 10/31/2022

Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: BES22-12 2.5' Collection Date: 10/19/2022 12:40:00 PM **Received Date:** 10/21/2022 7:20:00 AM

Lab ID: 2210B03-023	Matrix: SOIL	Rece	ived Date:	10/21/	2022 7:20:00 AM
Analyses	Result	RL Qua	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANG	GE ORGANICS				Analyst: JME
Diesel Range Organics (DRO)	ND	14	mg/Kg	1	10/25/2022 11:24:56 AM
Motor Oil Range Organics (MRO)	ND	45	mg/Kg	1	10/25/2022 11:24:56 AM
Surr: DNOP	90.9	21-129	%Rec	1	10/25/2022 11:24:56 AM
EPA METHOD 8015D: GASOLINE RAN	IGE				Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	10/24/2022 11:00:00 PM
Surr: BFB	101	37.7-212	%Rec	1	10/24/2022 11:00:00 PM
EPA METHOD 8021B: VOLATILES					Analyst: CCM
Benzene	ND	0.025	mg/Kg	1	10/24/2022 11:00:00 PM
Toluene	ND	0.049	mg/Kg	1	10/24/2022 11:00:00 PM
Ethylbenzene	ND	0.049	mg/Kg	1	10/24/2022 11:00:00 PM
Xylenes, Total	ND	0.099	mg/Kg	1	10/24/2022 11:00:00 PM
Surr: 4-Bromofluorobenzene	108	70-130	%Rec	1	10/24/2022 11:00:00 PM
EPA METHOD 300.0: ANIONS					Analyst: JMT
Chloride	ND	61	mg/Kg	20	10/25/2022 2:01:27 AM

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

Qualifiers:

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

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Released to Imaging: 3/6/2023 3:45:27 PM

Papas fritas 27 CTB1

Project:

Analytical Report Lab Order 2210B03

Date Reported: 10/31/2022

Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: BES22-10 2.5' Collection Date: 10/19/2022 12:45:00 PM Received Date: 10/21/2022 7:20:00 AM

Lab ID: 2210B03-024	Matrix: SOIL	Recei	ived Date:	10/21/	2022 7:20:00 AM
Analyses	Result	RL Qua	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANG	GE ORGANICS				Analyst: DGH
Diesel Range Organics (DRO)	ND	14	mg/Kg	1	10/25/2022 1:43:00 PM
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	10/25/2022 1:43:00 PM
Surr: DNOP	100	21-129	%Rec	1	10/25/2022 1:43:00 PM
EPA METHOD 8015D: GASOLINE RAN	GE				Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	10/24/2022 11:20:00 PM
Surr: BFB	96.6	37.7-212	%Rec	1	10/24/2022 11:20:00 PM
EPA METHOD 8021B: VOLATILES					Analyst: CCM
Benzene	ND	0.025	mg/Kg	1	10/24/2022 11:20:00 PM
Toluene	ND	0.049	mg/Kg	1	10/24/2022 11:20:00 PM
Ethylbenzene	ND	0.049	mg/Kg	1	10/24/2022 11:20:00 PM
Xylenes, Total	ND	0.099	mg/Kg	1	10/24/2022 11:20:00 PM
Surr: 4-Bromofluorobenzene	105	70-130	%Rec	1	10/24/2022 11:20:00 PM
EPA METHOD 300.0: ANIONS					Analyst: JMT
Chloride	ND	60	mg/Kg	20	10/25/2022 2:13:51 AM

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

Qualifiers:

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

н Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

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

- Analyte detected in the associated Method Blank в
- Above Quantitation Range/Estimated Value Е
- J Analyte detected below quantitation limits

Р Sample pH Not In Range

RL Reporting Limit Page 24 of 40

Papas fritas 27 CTB1

Project:

Chloride

Analytical Report Lab Order 2210B03

Date Reported: 10/31/2022

Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: BES22-09 2.5' Collection Date: 10/19/2022 12:50:00 PM Received Date: 10/21/2022 7:20:00 AM

Lab ID: 2210B03-025 Matrix: SOIL Result **RL** Qual Units DF **Date Analyzed** Analyses EPA METHOD 8015M/D: DIESEL RANGE ORGANICS Analyst: DGH **Diesel Range Organics (DRO)** ND 15 mg/Kg 1 10/25/2022 1:18:56 PM Motor Oil Range Organics (MRO) ND 49 mg/Kg 1 10/25/2022 1:18:56 PM Surr: DNOP 98.9 21-129 %Rec 1 10/25/2022 1:18:56 PM **EPA METHOD 8015D: GASOLINE RANGE** Analyst: CCM Gasoline Range Organics (GRO) ND 10/24/2022 11:39:00 PM 5.0 mg/Kg 1 Surr: BFB 98.0 37.7-212 %Rec 1 10/24/2022 11:39:00 PM **EPA METHOD 8021B: VOLATILES** Analyst: CCM Benzene ND 10/24/2022 11:39:00 PM 0.025 mg/Kg 1 Toluene ND 0.050 mg/Kg 1 10/24/2022 11:39:00 PM Ethylbenzene ND 0.050 mg/Kg 1 10/24/2022 11:39:00 PM Xylenes, Total ND mg/Kg 10/24/2022 11:39:00 PM 0.099 1 Surr: 4-Bromofluorobenzene 106 70-130 %Rec 1 10/24/2022 11:39:00 PM **EPA METHOD 300.0: ANIONS** Analyst: JMT

ND

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

Qualifiers:

Value exceeds Maximum Contaminant Level Sample Diluted Due to Matrix

D Н Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit POL

Practical Quanitative Limit S

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

- Analyte detected in the associated Method Blank в
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits

mg/Kg

20

10/25/2022 2:26:15 AM

60

Р Sample pH Not In Range

RL Reporting Limit Page 25 of 40

Papas fritas 27 CTB1

Project:

Analytical Report Lab Order 2210B03

Date Reported: 10/31/2022

Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: BES22-08 2.5' Collection Date: 10/19/2022 12:55:00 PM Received Date: 10/21/2022 7:20:00 AM

Lab ID: 2210B03-026	Matrix: SOIL	Rece	vived Date:	10/21/	2022 7:20:00 AM
Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANG	E ORGANICS				Analyst: DGH
Diesel Range Organics (DRO)	ND	14	mg/Kg	1	10/25/2022 12:54:43 PM
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	10/25/2022 12:54:43 PM
Surr: DNOP	103	21-129	%Rec	1	10/25/2022 12:54:43 PM
EPA METHOD 8015D: GASOLINE RANG	GE				Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	10/24/2022 11:59:00 PM
Surr: BFB	97.8	37.7-212	%Rec	1	10/24/2022 11:59:00 PM
EPA METHOD 8021B: VOLATILES					Analyst: CCM
Benzene	ND	0.024	mg/Kg	1	10/24/2022 11:59:00 PM
Toluene	ND	0.049	mg/Kg	1	10/24/2022 11:59:00 PM
Ethylbenzene	ND	0.049	mg/Kg	1	10/24/2022 11:59:00 PM
Xylenes, Total	ND	0.098	mg/Kg	1	10/24/2022 11:59:00 PM
Surr: 4-Bromofluorobenzene	106	70-130	%Rec	1	10/24/2022 11:59:00 PM
EPA METHOD 300.0: ANIONS					Analyst: JMT
Chloride	ND	60	mg/Kg	20	10/25/2022 2:38:39 AM

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

Qualifiers:

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

н Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

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

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

RL Reporting Limit Page 26 of 40

Project: Papas fritas 27 CTB1

Analytical Report Lab Order 2210B03

Date Reported: 10/31/2022

Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: BES22-06 2.5' Collection Date: 10/19/2022 1:00:00 PM Received Date: 10/21/2022 7:20:00 AM

Lab ID: 2210B03-027	Matrix: SOIL	Rece	ived Date:	10/21/	/2022 7:20:00 AM
Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANG	E ORGANICS				Analyst: DGH
Diesel Range Organics (DRO)	ND	14	mg/Kg	1	10/25/2022 12:30:35 PM
Motor Oil Range Organics (MRO)	ND	46	mg/Kg	1	10/25/2022 12:30:35 PM
Surr: DNOP	102	21-129	%Rec	1	10/25/2022 12:30:35 PM
EPA METHOD 8015D: GASOLINE RAN	GE				Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	10/25/2022 12:19:00 AM
Surr: BFB	98.3	37.7-212	%Rec	1	10/25/2022 12:19:00 AM
EPA METHOD 8021B: VOLATILES					Analyst: CCM
Benzene	ND	0.025	mg/Kg	1	10/25/2022 12:19:00 AM
Toluene	ND	0.049	mg/Kg	1	10/25/2022 12:19:00 AM
Ethylbenzene	ND	0.049	mg/Kg	1	10/25/2022 12:19:00 AM
Xylenes, Total	ND	0.099	mg/Kg	1	10/25/2022 12:19:00 AM
Surr: 4-Bromofluorobenzene	104	70-130	%Rec	1	10/25/2022 12:19:00 AM
EPA METHOD 300.0: ANIONS					Analyst: JMT
Chloride	ND	60	mg/Kg	20	10/25/2022 2:51:04 AM

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

Qualifiers:

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

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

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

- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

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Project: Papas fritas 27 CTB1

Analytical Report Lab Order 2210B03

Date Reported: 10/31/2022

Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: BES22-05 2.5' Collection Date: 10/19/2022 1:05:00 PM ived Deter 10/21/2022 7.20.00 AM ъ

Lab ID: 2210B03-028	Matrix: SOIL	Rece	eived Date:	10/21/	2022 7:20:00 AM
Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RAI	NGE ORGANICS				Analyst: DGH
Diesel Range Organics (DRO)	ND	13	mg/Kg	1	10/25/2022 12:06:16 PM
Motor Oil Range Organics (MRO)	ND	45	mg/Kg	1	10/25/2022 12:06:16 PM
Surr: DNOP	94.7	21-129	%Rec	1	10/25/2022 12:06:16 PM
EPA METHOD 8015D: GASOLINE RA	NGE				Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	10/25/2022 12:38:00 AM
Surr: BFB	101	37.7-212	%Rec	1	10/25/2022 12:38:00 AM
EPA METHOD 8021B: VOLATILES					Analyst: CCM
Benzene	ND	0.024	mg/Kg	1	10/25/2022 12:38:00 AM
Toluene	ND	0.049	mg/Kg	1	10/25/2022 12:38:00 AM
Ethylbenzene	ND	0.049	mg/Kg	1	10/25/2022 12:38:00 AM
Xylenes, Total	ND	0.098	mg/Kg	1	10/25/2022 12:38:00 AM
Surr: 4-Bromofluorobenzene	106	70-130	%Rec	1	10/25/2022 12:38:00 AM
EPA METHOD 300.0: ANIONS					Analyst: JMT
Chloride	ND	60	mg/Kg	20	10/25/2022 3:03:28 AM

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

Qualifiers:

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

- н Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit PQL Practical Quanitative Limit

- % Recovery outside of standard limits. If undiluted results may be estimated. S
- Analyte detected in the associated Method Blank в
- Above Quantitation Range/Estimated Value Е
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range

RL Reporting Limit Page 28 of 40

Papas fritas 27 CTB1

Project:

Analytical Report Lab Order 2210B03

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 10/31/2022

Client Sample ID: BES22-04 2.5' Collection Date: 10/19/2022 1:10:00 PM Received Date: 10/21/2022 7:20:00 AM

Lab ID: 2210B03-029	Matrix: SOIL	Rece	eived Date:	10/21/	2022 7:20:00 AM
Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANG	E ORGANICS				Analyst: DGH
Diesel Range Organics (DRO)	ND	15	mg/Kg	1	10/25/2022 11:42:16 AM
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	10/25/2022 11:42:16 AM
Surr: DNOP	97.2	21-129	%Rec	1	10/25/2022 11:42:16 AM
EPA METHOD 8015D: GASOLINE RANG	GE				Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	10/25/2022 1:18:00 AM
Surr: BFB	102	37.7-212	%Rec	1	10/25/2022 1:18:00 AM
EPA METHOD 8021B: VOLATILES					Analyst: CCM
Benzene	ND	0.024	mg/Kg	1	10/25/2022 1:18:00 AM
Toluene	ND	0.048	mg/Kg	1	10/25/2022 1:18:00 AM
Ethylbenzene	ND	0.048	mg/Kg	1	10/25/2022 1:18:00 AM
Xylenes, Total	ND	0.096	mg/Kg	1	10/25/2022 1:18:00 AM
Surr: 4-Bromofluorobenzene	108	70-130	%Rec	1	10/25/2022 1:18:00 AM
EPA METHOD 300.0: ANIONS					Analyst: JMT
Chloride	ND	60	mg/Kg	20	10/25/2022 3:15:52 AM

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

Qualifiers:

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

н Holding times for preparation or analysis exceeded

Not Detected at the Reporting Limit

ND PQL Practical Quanitative Limit

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

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

RL Reporting Limit Page 29 of 40

Project: Papas fritas 27 CTB1

Analytical Report Lab Order 2210B03

Date Reported: 10/31/2022

Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: BES22-02 2.5' Collection Date: 10/19/2022 1:15:00 PM 1.D to. 10/21/2022 7.20.00 AM .

Lab ID: 2210B03-030	Matrix: SOIL	Rece	eived Date:	10/21/	2022 7:20:00 AM
Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RAM	IGE ORGANICS				Analyst: DGH
Diesel Range Organics (DRO)	ND	13	mg/Kg	1	10/25/2022 11:17:57 AM
Motor Oil Range Organics (MRO)	ND	43	mg/Kg	1	10/25/2022 11:17:57 AM
Surr: DNOP	96.9	21-129	%Rec	1	10/25/2022 11:17:57 AM
EPA METHOD 8015D: GASOLINE RA	NGE				Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	10/25/2022 1:38:00 AM
Surr: BFB	100	37.7-212	%Rec	1	10/25/2022 1:38:00 AM
EPA METHOD 8021B: VOLATILES					Analyst: CCM
Benzene	ND	0.024	mg/Kg	1	10/25/2022 1:38:00 AM
Toluene	ND	0.049	mg/Kg	1	10/25/2022 1:38:00 AM
Ethylbenzene	ND	0.049	mg/Kg	1	10/25/2022 1:38:00 AM
Xylenes, Total	ND	0.098	mg/Kg	1	10/25/2022 1:38:00 AM
Surr: 4-Bromofluorobenzene	105	70-130	%Rec	1	10/25/2022 1:38:00 AM
EPA METHOD 300.0: ANIONS					Analyst: JMT
Chloride	ND	60	mg/Kg	20	10/25/2022 3:28:17 AM

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

Qualifiers:

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

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

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Project:

Lab ID:

Papas fritas 27 CTB1

2210B03-031

Analytical Report Lab Order 2210B03

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 10/31/2022 Client Sample ID: WES22-31 1' Collection Date: 10/19/2022 1:20:00 PM

Received Date: 10/21/2022 7:20:00 AM

Result	RL Qu	al Units	DF	Date Analyzed
JANICS				Analyst: DGH
ND	14	mg/Kg	1	10/25/2022 10:53:49 AM
ND	47	mg/Kg	1	10/25/2022 10:53:49 AM
98.8	21-129	%Rec	1	10/25/2022 10:53:49 AM
				Analyst: CCM
ND	4.9	mg/Kg	1	10/25/2022 1:57:00 AM
97.8	37.7-212	%Rec	1	10/25/2022 1:57:00 AM
				Analyst: CCM
ND	0.024	mg/Kg	1	10/25/2022 1:57:00 AM
ND	0.049	mg/Kg	1	10/25/2022 1:57:00 AM
ND	0.049	mg/Kg	1	10/25/2022 1:57:00 AM
ND	0.097	mg/Kg	1	10/25/2022 1:57:00 AM
106	70-130	%Rec	1	10/25/2022 1:57:00 AM
				Analyst: JMT
ND	60	mg/Kg	20	10/25/2022 3:40:41 AM
	GANICS ND 98.8 ND 97.8 ND ND ND ND ND 106	ND 14 ND 47 98.8 21-129 ND 4.9 97.8 37.7-212 ND 0.024 ND 0.049 ND 0.049 ND 0.097 106 70-130	SANICS ND 14 mg/Kg ND 47 mg/Kg 98.8 21-129 %Rec ND 4.9 mg/Kg 97.8 37.7-212 %Rec ND 0.024 mg/Kg ND 0.049 mg/Kg ND 0.049 mg/Kg ND 0.049 mg/Kg ND 0.097 mg/Kg 106 70-130 %Rec	SANCE ND 14 mg/Kg 1 ND 47 mg/Kg 1 98.8 21-129 %Rec 1 ND 4.9 mg/Kg 1 97.8 37.7-212 %Rec 1 ND 0.024 mg/Kg 1 ND 0.049 mg/Kg 1 ND 0.049 mg/Kg 1 ND 0.097 mg/Kg 1 106 70-130 %Rec 1

Matrix: SOIL

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

Qualifiers:

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

н Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

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

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

RL Reporting Limit Page 31 of 40

Analytical Report Lab Order 2210B03

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 10/31/2022 Client Sample ID: WES22-32 1' Collection Date: 10/19/2022 1:25:00 AM

Project: Papas fritas 27 CTB1		Collec	tion Date:	10/19/	2022 1:25:00 AM
Lab ID: 2210B03-032	Matrix: SOIL	Recei	ived Date:	10/21/	2022 7:20:00 AM
Analyses	Result	RL Qua	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGI	EORGANICS				Analyst: DGH
Diesel Range Organics (DRO)	ND	13	mg/Kg	1	10/25/2022 10:29:41 AM
Motor Oil Range Organics (MRO)	ND	45	mg/Kg	1	10/25/2022 10:29:41 AM
Surr: DNOP	99.5	21-129	%Rec	1	10/25/2022 10:29:41 AM
EPA METHOD 8015D: GASOLINE RANG	Ε				Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	10/25/2022 2:17:00 AM
Surr: BFB	100	37.7-212	%Rec	1	10/25/2022 2:17:00 AM
EPA METHOD 8021B: VOLATILES					Analyst: CCM
Benzene	ND	0.024	mg/Kg	1	10/25/2022 2:17:00 AM
Toluene	ND	0.049	mg/Kg	1	10/25/2022 2:17:00 AM
Ethylbenzene	ND	0.049	mg/Kg	1	10/25/2022 2:17:00 AM
Xylenes, Total	ND	0.098	mg/Kg	1	10/25/2022 2:17:00 AM
Surr: 4-Bromofluorobenzene	108	70-130	%Rec	1	10/25/2022 2:17:00 AM
EPA METHOD 300.0: ANIONS					Analyst: JTT
Chloride	ND	61	mg/Kg	20	10/25/2022 12:26:48 AM

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

Qualifiers:

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

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Analytical Report Lab Order 2210B03

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 10/31/2022 Client Sample ID: WES22-33 1' Collection Date: 10/10/2022 1:20:00 PM

Duciante	Damas fritas 27 CTD1		Colloct	an Datai	10/10	/2022 1:30:00 PM
Project:	Papas fritas 27 CTB1					
Lab ID:	2210B03-033	Matrix: SOIL	Receiv	ed Date:	10/21/	/2022 7:20:00 AM
Analyses		Result	RL Qual	Units	DF	Date Analyzed
EPA ME	THOD 8015M/D: DIESEL RA	NGE ORGANICS				Analyst: DGH
Diesel R	ange Organics (DRO)	ND	14	mg/Kg	1	10/25/2022 10:05:33 AM
Motor O	il Range Organics (MRO)	ND	46	mg/Kg	1	10/25/2022 10:05:33 AM
Surr:	DNOP	101	21-129	%Rec	1	10/25/2022 10:05:33 AM
EPA ME	THOD 8015D: GASOLINE R	ANGE				Analyst: CCM
Gasoline	e Range Organics (GRO)	ND	4.8	mg/Kg	1	10/25/2022 2:37:00 AM
Surr:	BFB	99.1	37.7-212	%Rec	1	10/25/2022 2:37:00 AM
EPA ME	THOD 8021B: VOLATILES					Analyst: CCM
Benzene	9	ND	0.024	mg/Kg	1	10/25/2022 2:37:00 AM
Toluene		ND	0.048	mg/Kg	1	10/25/2022 2:37:00 AM
Ethylber	izene	ND	0.048	mg/Kg	1	10/25/2022 2:37:00 AM
Xylenes,	Total	ND	0.097	mg/Kg	1	10/25/2022 2:37:00 AM
Surr:	4-Bromofluorobenzene	107	70-130	%Rec	1	10/25/2022 2:37:00 AM
EPA ME	THOD 300.0: ANIONS					Analyst: JTT
Chloride	1	160	60	mg/Kg	20	10/25/2022 12:39:08 AM

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

Qualifiers:

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

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2210B03

WO#:

Hall Er	nvironmen	ntal Analysis Laborat	ory, Inc.	31-Oct-22
Client: Project:		n Energy fritas 27 CTB1		
Sample ID:	MB-71027	SampType: mblk	TestCode: EPA Method 300.0: Anions	
Client ID:	PBS	Batch ID: 71027	RunNo: 92018	
Prep Date:	10/24/2022	Analysis Date: 10/24/2022	SeqNo: 3302974 Units: mg/Kg	
Analyte		Result PQL SPK value	e SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit	Qual
Chloride		ND 1.5		
Sample ID:	LCS-71027	SampType: Ics	TestCode: EPA Method 300.0: Anions	
Client ID:	LCSS	Batch ID: 71027	RunNo: 92018	
Prep Date:	10/24/2022	Analysis Date: 10/24/2022	SeqNo: 3302975 Units: mg/Kg	
Analyte		Result PQL SPK value	e SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit	Qual
Chloride		15 1.5 15.00	0 0 98.2 90 110	
Sample ID:	MB-71031	SampType: mblk	TestCode: EPA Method 300.0: Anions	
Client ID:	PBS	Batch ID: 71031	RunNo: 92018	
Prep Date:	10/24/2022	Analysis Date: 10/24/2022	SeqNo: 3303006 Units: mg/Kg	
Analyte		Result PQL SPK value	e SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit	Qual
Chloride		ND 1.5		
Sample ID:	LCS-71031	SampType: Ics	TestCode: EPA Method 300.0: Anions	
Client ID:	LCSS	Batch ID: 71031	RunNo: 92018	
Prep Date:	10/24/2022	Analysis Date: 10/24/2022	SeqNo: 3303007 Units: mg/Kg	
Analyte		Result PQL SPK value	e SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit	Qual
Chloride		15 1.5 15.00	0 98.0 90 110	
Sample ID:	MB-71033	SampType: mblk	TestCode: EPA Method 300.0: Anions	
Client ID:	PBS	Batch ID: 71033	RunNo: 92046	
Prep Date:	10/24/2022	Analysis Date: 10/24/2022	SeqNo: 3303106 Units: mg/Kg	
Analyte		Result PQL SPK value	e SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit	Qual
Chloride		ND 1.5		
Sample ID:	LCS-71033	SampType: Ics	TestCode: EPA Method 300.0: Anions	
Client ID:	LCSS	Batch ID: 71033	RunNo: 92046	
Prep Date:	10/24/2022	Analysis Date: 10/24/2022	SeqNo: 3303107 Units: mg/Kg	
Analyte		Result PQL SPK value	e SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit	Qual
Chloride		15 1.5 15.00	0 97.2 90 110	

Qualifiers:

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

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2210B03

WO#:

Client: Devon Energy Project: Papas fritas 27 CTB1							
Sample ID: MB-71043 SampType: MBLK TestCode: EPA Method 8015M/D: Diesel Range	SampType: MBLK TestCode: EPA Method 8015M/D: Diesel Range Organics						
Client ID: PBS Batch ID: 71043 RunNo: 92056							
Prep Date: 10/24/2022 Analysis Date: 10/25/2022 SeqNo: 3303572 Units: mg/Kg							
Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPL	D RPDLimit	Qual					
Diesel Range Organics (DRO) ND 15							
Motor Oil Range Organics (MRO) ND 50							
Surr: DNOP 7.9 10.00 79.0 21 129							
Sample ID: LCS-71043 SampType: LCS TestCode: EPA Method 8015M/D: Diesel Range	ge Organics						
Client ID: LCSS Batch ID: 71043 RunNo: 92056							
Prep Date: 10/24/2022 Analysis Date: 10/25/2022 SeqNo: 3303573 Units: mg/Kg							
Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPL	D RPDLimit	Qual					
Diesel Range Organics (DRO) 48 15 50.00 0 95.5 64.4 127							
Surr: DNOP 3.5 5.000 70.8 21 129							
Sample ID: 2210B03-001AMS SampType: MS TestCode: EPA Method 8015M/D: Diesel Range	ge Organics						
Client ID: BES22-25 2.5' Batch ID: 71043 RunNo: 92056							
Prep Date: 10/24/2022 Analysis Date: 10/25/2022 SeqNo: 3303592 Units: mg/Kg							
Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPE	D RPDLimit	Qual					
Diesel Range Organics (DRO) 53 15 49.46 0 108 36.1 154							
Surr: DNOP 4.1 4.946 83.3 21 129							
Sample ID: 2210B03-001AMSD SampType: MSD TestCode: EPA Method 8015M/D: Diesel Rang	ge Organics						
Client ID: BES22-25 2.5' Batch ID: 71043 RunNo: 92056							

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	46	14	47.48	0	96.0	36.1	154	15.5	33.9	
Surr: DNOP	3.8		4.748		79.7	21	129	0	0	
Sample ID: 2210B03-019AMS	SampT	уре: МS	5	Tes	tCode: EF	PA Method	8015M/D: Die	sel Range	Organics	
Client ID: WES22-28 1'	Batch	n ID: 710	021	F	RunNo: 9 2	2056				
Prep Date: 10/24/2022	Analysis D	Date: 10	/25/2022	S	SeqNo: 3	303594	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

0

Qualifiers:

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

Diesel Range Organics (DRO)

Surr: DNOP

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

50

4.0

15

49.07

4.907

Analyte detected in the associated Method Blank В

102

81.2

36.1

21

154

129

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

KEPURI	WO#:	2210B03	
l Analysis Laboratory, Inc.		31-Oct-22	

Client: Project:	Devon En Papas frita	0.	81								
Sample ID:	2210B03-019AMSD	SampT	ype: MS	SD	Tes	tCode: EF	PA Method	8015M/D: Dies	sel Range	Organics	
Client ID:	WES22-28 1'	Batch	n ID: 710	021	F	RunNo: 9 2	2056				
Prep Date:	10/24/2022	Analysis D	ate: 10	/25/2022	S	SeqNo: 33	803595	Units: mg/Kg	9		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range C	Organics (DRO)	52	14	47.04	0	110	36.1	154	3.45	33.9	
Surr: DNOP		4.0		4.704		85.1	21	129	0	0	
Sample ID:	MB-71021	SampT	ype: ME	BLK	Tes	tCode: EF	PA Method	8015M/D: Dies	sel Range	Organics	
Client ID:	PBS	Batch	n ID: 710	021	F	RunNo: 92	2056				
Prep Date:	10/24/2022	Analysis D	ate: 10	/25/2022	S	SeqNo: 33	807123	Units: mg/Kg	9		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range C	Organics (DRO)	ND	15								
Motor Oil Rang	e Organics (MRO)	ND	50								
Surr: DNOP		8.0		10.00		80.1	21	129			
Sample ID:	LCS-71021	SampT	ype: LC	S	Tes	tCode: EF	PA Method	8015M/D: Dies	sel Range	Organics	
Client ID:	LCSS	Batch	n ID: 710	021	F	RunNo: 92056					
Prep Date:	10/24/2022	Analysis D	ate: 10	/25/2022	S	SeqNo: 33	307124	Units: mg/Kg	9		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range C	Organics (DRO)	52	15	50.00	0	104	64.4	127			
Surr: DNOP		3.9		5.000		78.1	21	129			
Sample ID:	MB-71024	SampT	ype: ME	BLK	Tes	tCode: EF	PA Method	8015M/D: Dies	sel Range	Organics	
Client ID:	PBS	Batch	n ID: 710	024	F	RunNo: 92	2056				
Prep Date:	10/24/2022	Analysis D	ate: 10	/25/2022	S	SeqNo: 33	807125	Units: %Rec			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP		8.2		10.00		82.1	21	129			
Sample ID:	LCS-71024	SampT	ype: LC	S	Tes	tCode: EF	A Method	8015M/D: Dies	sel Range	Organics	
Client ID:	LCSS	Batch	n ID: 710	024	F	RunNo: 92	2056				
Prep Date:	10/24/2022	Analysis D	ate: 10	/25/2022	S	SeqNo: 33	807126	Units: %Rec			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP		3.9		5.000		77.5	21	129			

Qualifiers:

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

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QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

Client: Project:		von Energy pas fritas 27 CT	B1								
Sample ID:	mb	Samp	Туре: МЕ	BLK	Tes	tCode: EF	PA Method	8015D: Gasol	ine Range		
Client ID:	PBS	Bate	ch ID: G9	2027	F	RunNo: 92	2027				
Prep Date:		Analysis	Date: 10)/24/2022	Ş	SeqNo: 33	302526	Units: %Rec	:		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB		950		1000		95.1	37.7	212			
Sample ID:	2.5ug gro lo	s Samp	Type: LC	S	Tes	stCode: EF	PA Method	8015D: Gasol	ine Range		
Client ID:	LCSS	Bato	ch ID: G9	2027	F	RunNo: 92	2027				
Prep Date:		Analysis	Date: 10)/24/2022	Ş	SeqNo: 33	302527	Units: %Rec	:		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB		1900		1000		190	37.7	212			
Sample ID:	mb-71004	Samp	Туре: МЕ	BLK	Tes	tCode: EF	PA Method	8015D: Gasol	ine Range		
Client ID:	PBS	Bato	ch ID: 710	004	F	RunNo: 92	2027				
Prep Date:	10/23/2022	Analysis	Date: 10)/24/2022	S	SeqNo: 33	302554	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
-	ge Organics (GR		5.0								
Surr: BFB		970		1000		97.4	37.7	212			
-											
Sample ID:	lcs-71004	Samp	Type: LC	S	Tes	tCode: EF	PA Method	8015D: Gasol	ine Range		
Sample ID: Client ID:	lcs-71004 LCSS		Type: LC			tCode: EF		8015D: Gasol	ine Range		
	LCSS	Bato		004	F		2027	8015D: Gasol Units: mg/K	C		
Client ID: Prep Date: Analyte	LCSS 10/23/2022	Bato Analysis Result	ch ID: 710 Date: 10 PQL	004 0/24/2022 SPK value	F SPK Ref Val	RunNo: 92 SeqNo: 33 %REC	2027 302555 LowLimit	Units: mg/K HighLimit	C	RPDLimit	Qual
Client ID: Prep Date: Analyte Gasoline Rang	LCSS	Analysis Result 0) 28	ch ID: 71(Date: 10	004 0/24/2022 SPK value 25.00	F	RunNo: 92 SeqNo: 33 <u>%REC</u> 111	2027 302555 LowLimit 72.3	Units: mg/K HighLimit 137	g		Qual
Client ID: Prep Date: Analyte	LCSS 10/23/2022	Bato Analysis Result	ch ID: 710 Date: 10 PQL	004 0/24/2022 SPK value	F SPK Ref Val	RunNo: 92 SeqNo: 33 %REC	2027 302555 LowLimit	Units: mg/K HighLimit	g		Qual
Client ID: Prep Date: Analyte Gasoline Rang Surr: BFB Sample ID:	LCSS 10/23/2022	Analysis Analysis Result 0) 28 2100 Samp	ch ID: 71(Date: 10 <u>PQL</u> 5.0	004 0/24/2022 SPK value 25.00 1000 BLK	F SPK Ref Val 0	RunNo: 92 SeqNo: 33 %REC 111 211	2027 302555 LowLimit 72.3 37.7	Units: mg/K HighLimit 137	g %RPD	RPDLimit	Qual
Client ID: Prep Date: Analyte Gasoline Rang Surr: BFB Sample ID: Client ID:	LCSS 10/23/2022 ge Organics (GR	Analysis Result 0) 28 2100 Samp Bate	ch ID: 71(Date: 10 <u>PQL</u> 5.0 Type: ME ch ID: 71(004 0/24/2022 SPK value 25.00 1000 BLK 005	F SPK Ref Val 0 Tes	RunNo: 92 SeqNo: 33 %REC 111 211	2027 302555 LowLimit 72.3 37.7 PA Method	Units: mg/K HighLimit 137 212 8015D: Gasol	g %RPD ine Range	RPDLimit	Qual
Client ID: Prep Date: Analyte Gasoline Rang Surr: BFB Sample ID:	LCSS 10/23/2022 ge Organics (GR mb-71005	Analysis Result 0) 28 2100 Samp Bate	ch ID: 71(Date: 10 <u>PQL</u> 5.0	004 0/24/2022 SPK value 25.00 1000 BLK 005	F SPK Ref Val 0 Tes	RunNo: 92 SeqNo: 33 %REC 111 211 ttCode: EF	2027 302555 LowLimit 72.3 37.7 PA Method 2041	Units: mg/K HighLimit 137 212	g %RPD ine Range	RPDLimit	Qual
Client ID: Prep Date: Analyte Gasoline Rang Surr: BFB Sample ID: Client ID: Prep Date: Analyte	LCSS 10/23/2022 ge Organics (GR mb-71005 PBS 10/23/2022	e Analysis Result 0) 28 2100 Samp Bato e Analysis Result	Ch ID: 71(Date: 10 PQL 5.0 Type: ME Ch ID: 71(Date: 10 PQL	004 0/24/2022 25.00 1000 3LK 005 0/24/2022	F SPK Ref Val 0 Tes	RunNo: 92 SeqNo: 33 %REC 111 211 ttCode: EF RunNo: 92 SeqNo: 33	2027 302555 LowLimit 72.3 37.7 PA Method 2041	Units: mg/K HighLimit 137 212 8015D: Gasol	g %RPD ine Range	RPDLimit	Qual
Client ID: Prep Date: Analyte Gasoline Rang Surr: BFB Sample ID: Client ID: Prep Date: Analyte	LCSS 10/23/2022 ge Organics (GR mb-71005 PBS	e Analysis Result 0) 28 2100 Samp Bato e Analysis Result	Ch ID: 71(Date: 10 PQL 5.0 Type: ME Ch ID: 71(Date: 10	004 0/24/2022 25.00 1000 3LK 005 0/24/2022	F SPK Ref Val 0 Tes F	RunNo: 92 SeqNo: 33 %REC 111 211 etCode: EF RunNo: 92 SeqNo: 33	2027 302555 LowLimit 72.3 37.7 24 Method 2041 302845	Units: mg/K HighLimit 137 212 8015D: Gasol Units: mg/K	g %RPD ine Range g	RPDLimit	
Client ID: Prep Date: Analyte Gasoline Rang Surr: BFB Sample ID: Client ID: Prep Date: Analyte Gasoline Rang Surr: BFB	LCSS 10/23/2022 ge Organics (GR mb-71005 PBS 10/23/2022	e Analysis Result 0) 28 2100 Samp Bato e Analysis Result 0) ND 990	Date: 10 PQL 5.0 Type: ME ch ID: 71(Date: 10 PQL	004 0/24/2022 SPK value 25.00 1000 3LK 005 0/24/2022 SPK value 1000	F SPK Ref Val 0 Tes F SPK Ref Val	RunNo: 92 SeqNo: 33 <u>%REC</u> 111 211 ttCode: EF RunNo: 92 SeqNo: 33 <u>%REC</u> 98.8	2027 302555 LowLimit 72.3 37.7 PA Method 2041 302845 LowLimit 37.7	Units: mg/K HighLimit 137 212 8015D: Gasol Units: mg/K HighLimit	g %RPD ine Range g %RPD	RPDLimit	
Client ID: Prep Date: Analyte Gasoline Rang Surr: BFB Sample ID: Client ID: Prep Date: Analyte Gasoline Rang Surr: BFB	LCSS 10/23/2022 ge Organics (GR mb-71005 PBS 10/23/2022 ge Organics (GR	Analysis Result O) 28 2100 Samp Bato C Analysis Result O) ND 990 Samp	ch ID: 71(Date: 10 PQL 5.0 Type: ME ch ID: 71(Date: 10 PQL 5.0	004 0/24/2022 SPK value 25.00 1000 3LK 005 0/24/2022 SPK value 1000 S	F SPK Ref Val 0 Tes SPK Ref Val Tes	RunNo: 92 SeqNo: 33 <u>%REC</u> 111 211 ttCode: EF RunNo: 92 SeqNo: 33 <u>%REC</u> 98.8	2027 302555 LowLimit 72.3 37.7 PA Method 2041 302845 LowLimit 37.7 PA Method	Units: mg/K HighLimit 137 212 8015D: Gasol Units: mg/K HighLimit 212	g %RPD ine Range g %RPD	RPDLimit	
Client ID: Prep Date: Analyte Gasoline Rang Surr: BFB Sample ID: Client ID: Prep Date: Analyte Gasoline Rang Surr: BFB Sample ID:	LCSS 10/23/2022 ge Organics (GR mb-71005 PBS 10/23/2022 ge Organics (GR Ics-71005	e Analysis Result 0) 28 2100 Samp Bato e Analysis Result 0) ND 990 Samp Bato	ch ID: 71(Date: 10 PQL 5.0 Type: ME ch ID: 71(Date: 10 PQL 5.0	004 0/24/2022 SPK value 25.00 1000 3LK 005 0/24/2022 SPK value 1000 SS 005	F SPK Ref Val 0 Tes SPK Ref Val Tes F	RunNo: 92 SeqNo: 33 %REC 111 211 etCode: EF RunNo: 92 SeqNo: 33 %REC 98.8 etCode: EF	2027 302555 LowLimit 72.3 37.7 PA Method 2041 302845 LowLimit 37.7 PA Method 2041	Units: mg/K HighLimit 137 212 8015D: Gasol Units: mg/K HighLimit 212	g %RPD ine Range g %RPD ine Range	RPDLimit	
Client ID: Prep Date: Analyte Gasoline Rang Surr: BFB Sample ID: Client ID: Prep Date: Analyte Gasoline Rang Surr: BFB Sample ID: Client ID:	LCSS 10/23/2022 ge Organics (GR mb-71005 PBS 10/23/2022 ge Organics (GR Ics-71005 LCSS	e Analysis Result 0) 28 2100 Samp Bato e Analysis Result 0) ND 990 Samp Bato	ch ID: 71(Date: 10 PQL 5.0 Type: ME ch ID: 71(Date: 10 PQL 5.0 Type: LC ch ID: 71(004 0/24/2022 SPK value 25.00 1000 3LK 005 0/24/2022 SPK value 1000 SS 005	F SPK Ref Val 0 Tes SPK Ref Val Tes F	RunNo: 92 SeqNo: 33 <u>%REC</u> 111 211 ttCode: EF RunNo: 92 98.8 ttCode: EF RunNo: 92	2027 302555 LowLimit 72.3 37.7 PA Method 2041 302845 LowLimit 37.7 PA Method 2041	Units: mg/K HighLimit 137 212 8015D: Gasol Units: mg/K HighLimit 212 8015D: Gasol	g %RPD ine Range g %RPD ine Range	RPDLimit	
Client ID: Prep Date: Analyte Gasoline Rang Surr: BFB Sample ID: Client ID: Prep Date: Analyte Gasoline Rang Surr: BFB Sample ID: Client ID: Prep Date: Analyte	LCSS 10/23/2022 ge Organics (GR mb-71005 PBS 10/23/2022 ge Organics (GR Ics-71005 LCSS	e Analysis Result 0) 28 2100 Samp Bato e Analysis Result 0) ND 990 Samp Bato e Analysis Result	ch ID: 710 Date: 10 PQL 5.0 Type: ME ch ID: 710 Date: 10 PQL 5.0 Type: LC ch ID: 710 Date: 10	004 0/24/2022 SPK value 25.00 1000 3LK 005 0/24/2022 SPK value 1000 S 005 0/24/2022	F SPK Ref Val 0 Tes SPK Ref Val Tes F	RunNo: 92 SeqNo: 33 %REC 111 211 etCode: EF RunNo: 92 98.8 etCode: EF RunNo: 92 SeqNo: 33	2027 302555 LowLimit 72.3 37.7 PA Method 2041 302845 LowLimit 37.7 PA Method 2041 303528	Units: mg/K HighLimit 137 212 8015D: Gasol Units: mg/K HighLimit 212 8015D: Gasol Units: mg/K	g %RPD ine Range %RPD ine Range g	RPDLimit	Qual

Qualifiers:

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

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31-Oct-22

- Reporting Limit

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	WO#:	2210B03
ental Analysis Laboratory, Inc.		31-Oct-22

Client: Project:	Devon En Papas frita	0.	81								
	2210B03-019ams WES22-28 1' 10/23/2022	•	⁻ ype: MS n ID: 71(Date: 10	05	F	tCode: EF RunNo: 92 SeqNo: 33	2041	8015D: Gaso Units: mg/K	Ū	!	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Surr: BFB	Organics (GRO)	24 2200	4.8	24.13 965.3	0	101 230	70 37.7	130 212			S
Client ID:	2210B03-019amsd WES22-28 1'	Batch	ype: MS	05	F	RunNo: 92	2041	8015D: Gaso	U		
Prep Date: Analyte	10/23/2022	Analysis D Result	PQL	/24/2022 SPK value	SPK Ref Val	SeqNo: 33 %REC	LowLimit	Units: mg/K HighLimit	g %RPD	RPDLimit	Qual
Gasoline Range Surr: BFB	Organics (GRO)	23 2100	4.8	23.88 955.1	0	95.2 215	70 37.7	130 212	6.61 0	20 0	S

Qualifiers:

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

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Devon Energy

Papas fritas 27 CTB1

Client:

Project:

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WO#:	2210B03
	31-Oct-22

· Volatiles		

Sample ID: mb-71004	SampType: MBLK TestCode: EPA Method				8021B: Volatiles					
Client ID: PBS	Batc	h ID: 710	004	RunNo: 92027						
Prep Date: 10/23/2022	Analysis [Date: 10	/24/2022	S	SeqNo: 33	802600	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.0		1.000		104	70	130			
Sample ID: LCS-71004	SampT	Type: LC	s	Tes	tCode: EF	PA Method	8021B: Volati	les		
Client ID: LCSS	Batcl	h ID: 710	004	F	RunNo: 92	2027				
Prep Date: 10/23/2022	Analysis [Date: 10	/24/2022	S	SeqNo: 33	802601	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.0	0.025	1.000	0	100	80	120			
Toluene	1.0	0.050	1.000	0	101	80	120			
Ethylbenzene	1.0	0.050	1.000	0	101	80	120			
Xylenes, Total	3.1	0.10	3.000	0	102	80	120			
Surr: 4-Bromofluorobenzene	1.0		1.000		101	70	130			
Sample ID: Ics-71005	SampT	Type: LC	S	Tes	TestCode: EPA Method 8021B: Volatiles					
Client ID: LCSS	Batc	h ID: 710	005	F	RunNo: 92	2041				
Prep Date: 10/23/2022	Analysis I	Date: 10	/24/2022	S	SeqNo: 33	802911	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.1	0.025	1.000	0	105	80	120			
Toluene				-			.=•			
	1.1	0.050	1.000	0	106	80	120			
Ethylbenzene	1.1	0.050	1.000	0	106	80 80	120 120			
Xylenes, Total	1.1 3.2		1.000 3.000	0	106 106	80 80 80	120 120 120			
	1.1	0.050	1.000	0	106	80 80	120 120			
Xylenes, Total	1.1 3.2 1.1	0.050	1.000 3.000 1.000	0 0 0	106 106 108	80 80 80 70	120 120 120	les		
Xylenes, Total Surr: 4-Bromofluorobenzene	1.1 3.2 1.1 SampT	0.050 0.10	1.000 3.000 1.000	0 0 0 Tes	106 106 108	80 80 80 70 PA Method	120 120 120 130	les		
Xylenes, Total Surr: 4-Bromofluorobenzene Sample ID: mb-71005	1.1 3.2 1.1 SampT	0.050 0.10 Гуре: MB h ID: 710	1.000 3.000 1.000	0 0 0 Tes F	106 106 108 tCode: EF	80 80 70 PA Method	120 120 120 130			
Xylenes, Total Surr: 4-Bromofluorobenzene Sample ID: mb-71005 Client ID: PBS Prep Date: 10/23/2022 Analyte	1.1 3.2 1.1 Samp Batcl Analysis I Result	0.050 0.10 Fype: MB h ID: 710 Date: 10 PQL	1.000 3.000 1.000 3LK 005 /24/2022	0 0 0 Tes F	106 106 108 tCode: EF	80 80 70 PA Method	120 120 120 130 8021B: Volati		RPDLimit	Qual
Xylenes, Total Surr: 4-Bromofluorobenzene Sample ID: mb-71005 Client ID: PBS Prep Date: 10/23/2022	1.1 3.2 1.1 Samp Batcl Analysis [0.050 0.10 Fype: MB h ID: 710 Date: 10	1.000 3.000 1.000 3LK 005 /24/2022	0 0 0 Tes F	106 106 108 tCode: EF RunNo: 92 SeqNo: 33	80 80 70 PA Method 2041 502912	120 120 120 130 8021B: Volati	g	RPDLimit	Qual
Xylenes, Total Surr: 4-Bromofluorobenzene Sample ID: mb-71005 Client ID: PBS Prep Date: 10/23/2022 Analyte	1.1 3.2 1.1 Samp Batcl Analysis I Result	0.050 0.10 Fype: MB h ID: 710 Date: 10 PQL	1.000 3.000 1.000 3LK 005 /24/2022	0 0 0 Tes F	106 106 108 tCode: EF RunNo: 92 SeqNo: 33	80 80 70 PA Method 2041 502912	120 120 120 130 8021B: Volati	g	RPDLimit	Qual
Xylenes, Total Surr: 4-Bromofluorobenzene Sample ID: mb-71005 Client ID: PBS Prep Date: 10/23/2022 Analyte Benzene	1.1 3.2 1.1 SampT Batch Analysis D Result ND	0.050 0.10 Fype: MB h ID: 710 Date: 10 PQL 0.025	1.000 3.000 1.000 3LK 005 /24/2022	0 0 0 Tes F	106 106 108 tCode: EF RunNo: 92 SeqNo: 33	80 80 70 PA Method 2041 502912	120 120 120 130 8021B: Volati	g	RPDLimit	Qual
Xylenes, Total Surr: 4-Bromofluorobenzene Sample ID: mb-71005 Client ID: PBS Prep Date: 10/23/2022 Analyte Benzene Toluene	1.1 3.2 1.1 Samp Batch Analysis I Result ND ND	0.050 0.10 Fype: MB h ID: 710 Date: 10 PQL 0.025 0.050	1.000 3.000 1.000 3LK 005 /24/2022	0 0 0 Tes F	106 106 108 tCode: EF RunNo: 92 SeqNo: 33	80 80 70 PA Method 2041 502912	120 120 120 130 8021B: Volati	g	RPDLimit	Qual
Xylenes, Total Surr: 4-Bromofluorobenzene Sample ID: mb-71005 Client ID: PBS Prep Date: 10/23/2022 Analyte Benzene Toluene Ethylbenzene	1.1 3.2 1.1 SampT Batcl Analysis I Result ND ND ND	0.050 0.10 Fype: MB h ID: 710 Date: 10 PQL 0.025 0.050 0.050	1.000 3.000 1.000 3LK 005 /24/2022	0 0 0 Tes F	106 106 108 tCode: EF RunNo: 92 SeqNo: 33	80 80 70 PA Method 2041 502912	120 120 120 130 8021B: Volati	g	RPDLimit	Qual

Qualifiers:

* Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

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

B Analyte detected in the associated Method Blank

- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Devon Energy

Client:

QC SUMMARY REPORT

WO#:	,
	3

31-Oct-22

Hall Environmental Analysis Laboratory, Inc.

Project: Papas f	ritas 27 CTI	B1								
Sample ID: 2210B03-020am	s Samp ⁻	Туре: МS	6	Tes	tCode: EF	PA Method	8021B: Volat	iles		
Client ID: WES22-29 1'	Batc	h ID: 71	005	F	RunNo: 92	2041				
Prep Date: 10/23/2022	Analysis [Date: 10)/24/2022	S	SeqNo: 3	303537	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.0	0.024	0.9606	0	108	68.8	120			
Toluene	1.0	0.048	0.9606	0	108	73.6	124			
Ethylbenzene	1.0	0.048	0.9606	0	109	72.7	129			
Xylenes, Total	3.1	0.096	2.882	0	108	75.7	126			
Surr: 4-Bromofluorobenzene	1.1		0.9606		110	70	130			
Sample ID: 2210B03-020am	sd Samp ⁻	Туре: М	SD	Tes	tCode: EF	PA Method	8021B: Volat	iles		
Client ID: WES22-29 1'	Batc	h ID: 71	005	F	RunNo: 92	2041				
Prep Date: 10/23/2022	Analysis [Date: 10)/24/2022	S	SeqNo: 3	303538	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.0	0.024	0.9785	0	106	68.8	120	0.0500	20	
Toluene	1.0	0.049	0.9785	0	107	73.6	124	0.909	20	
Ethylbenzene	1.0	0.049	0.9785	0	107	72.7	129	0.0712	20	
Kylenes, Total	3.1	0.098	2.935	0	106	75.7	126	0.0953	20	
Aylenes, Toldi	0.1									

Qualifiers:

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

Page 40 of 40

ENVIRONMENTAL ANALYSIS LABORATORY	Hall Environmental . Albu TEL: 505-345-3975 . Website: www.hal	4901 Hawk querque, NM FAX: 505-34	Page 34					
Client Name: Devon Energy	Work Order Number:	2210B03		RcptNo: 1				
Received By: Juan Rojas 1	0/21/2022 7:20:00 AM		Guarsa	3				
0	0/21/2022 7:46:55 AM							
Reviewed By: Sec 10 / 21/22								
Chain of Custody								
1. Is Chain of Custody complete?	0.5	Yes 🔽	No 🗌	Not Present				
2. How was the sample delivered?		Courier						
<u>Log In</u>								
3. Was an attempt made to cool the samples?	Ŋ	′es 🗹	No 🗌	NA 🗌				
4. Were all samples received at a temperature of	0° C to 6.0°C γ	'es 🗹	No 🗌	NA 🗌				
5. Sample(s) in proper container(s)?	Ŷ	es 🔽	No 🗌					
6. Sufficient sample volume for indicated test(s)?	v	es 🗸	No 🗌					
7. Are samples (except VOA and ONG) properly pre		es 🔽						
8. Was preservative added to bottles?		es 🗌	No 🔽	NA 🗌				
9. Received at least 1 vial with headspace <1/4" for		es 🗌	No 🗌					
10. Were any sample containers received broken?		es 🗆	No 🔽	NA 🗹				
				# of preserved				
11. Does paperwork match bottle labels? (Note discrepancies on chain of custody)	Ye	s 🔽	No 🗌	bottles checked for pH:				
12. Are matrices correctly identified on Chain of Custo	dv?	s 🔽	No 🗌	(<2 or >12 unless noted) Adjusted2				
13. Is it clear what analyses were requested?		s 🔽	No 🗌	Adjusied				
 Were all holding times able to be met? (If no, notify customer for authorization.) 		s 🔽		Checked by: KPCA 10.21.2				
Special Handling (if applicable)								
15. Was client notified of all discrepancies with this of	der? Ye	s 🗆	No 🔲					
Person Notified:				NA 🗹				
By Whom:	Date: Via: Ce							
Regarding:		Mail 🗌 Pl	none 🗌 Fax	In Person				
Client Instructions:								
16. Additional remarks:								
17. <u>Cooler Information</u> Cooler No Temp °C Condition Seal Int	or 0							
1 0.4 Good Yes	act Seal No Seal	Date	Signed By					

Page 1 of 1

Ion / VEC+LX Ion / VEC+LX <th>Chain-of</th> <th>Chain-of-Custody Record</th> <th>Turn-Around Time: ~ 1/a /</th> <th>1/2 1/</th> <th>Г</th> <th>Ì</th> <th></th> <th></th> <th>Rece</th>	Chain-of	Chain-of-Custody Record	Turn-Around Time: ~ 1/a /	1/2 1/	Г	Ì			Rece
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Project Manager: Project Manager: Project Manager: Art Compliance Project Manager: Index Art Compliance Bampler: CO Bampler: CO<	Phone #:		226-01417			180-040-000	Analvsis	SUS-345-4107 Reginest	022.
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	HALL	ANAL	4901 Hawkins NE	Tel FOF 346 2076	0/80-040-000	((יז) 282 ו ג םצפ	0,40 8/8 9/2	9 01 9 P Səp GB	y 83 931 937 937	-	H H H												Remarks: CC: CM	Direct 8.	
Turn-Around Time: Z-Dad	□ Standard A Rush		PJP95 Frizgs Z7CTB1	Project #:	ZZE-01417	Project Manager:	springs	ar: CD	DYes DNo		(including CF): 6.2+0. 2-2 (s.4 (°C)	Container Preservative HEAL No.	ZCE DIS			016	£10	2.6	019	020	02.1	- 660	1.0.1	KW	Via: Date Time	Received by: A Via: Date Time	12 chial
Chain-of-Custody Record	Devan Wirter		ess: Or Fill	1			Level 4 (Full Validation)	/□ Az Compliance	Uther			Matrix Sample Name	10:36 SOIT BESZE-13 2.5'	5 1 BES2-14 25'	& ES22-15	BES22-17		5 WESZZ-26 & 1'	0 WESZ-22 1'	1 62-22-29 1,	0 BESZ-23 2.5		0 BEZZ-12 Z.S'	BES22-101	Relinquished by:	Relinquished by: R	alunno
Chai	Client:		Mailing Address:		Phone #:	email or Fax#:	QA/QC Package:	Accreditation:	I NELAU	EDD (Type)		Date Time	10/19 10:30	JE:0/	10:40	517:01	10:50	1055	11:00	50:11	12:30	12:35	07:21		Date: Time:	Date: Time:	2

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Time	Standard Rush	Project Name:	Papas Fritas 27 CTB 1	Project #:	226-01417	Project Manager:	Kent Stallings	с Л П	Unice: THYES DO	Cooler Temp(Including CF): $(j, \gamma + U, \gamma = j, U, (°C)$	Container Preservative HEAL No. Type and # Type 7.2107-03	ICC	KOL	to	028	024	030	021	031	033		+	Via: Date	Via: Date Time	ALLCONTA MANDING
-Custody Record	Devon/Verret		ss: On File	Proj			Level 4 (Full Validation)	D Az Compliance	5		Matrix Sample Name	SOIT BESZZ-09 Z.S'	BESZED8 2.5	BESZ-06 2.5'	8022-0S 2.51	BESZ2-04 2.5'	8552-02 Z.S'	NES2231 1	NES22-32 1	WES22-33 1			Received by:	Relinquished by:	
Chair Client:	1		Mailing Address:		Phone #:	email or Fax#:	QA/QC Package:	Accreditation:	□ EDD (Type)		Date Time	05:21/01/01	12:55	00:1	1:05	01:1	51:1	1:20	52:1	1:30		Date: Time:	2000	C	221 212



November 03, 2022

Kent Stallings Devon Energy 6488 Seven Rivers Highway Artesia, NM 88210 TEL: (575) 748-0176 FAX: Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

RE: Papas Fritas 27 CTB1

OrderNo.: 2210E68

Dear Kent Stallings:

Hall Environmental Analysis Laboratory received 6 sample(s) on 10/29/2022 for the analyses presented in the following report.

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

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

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

Sincerely,

andy

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

Lab ID:

Analytical Report

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2210E68

Date Reported: 11/3/2022

CLIENT:	Devon Energy
Project:	Papas Fritas 27 CTB1

2210E68-001

Client Sample ID: WES22-10 1' Collection Date: 10/27/2022 9:30:00 AM

Matrix: MEOH (SOIL) Received Date: 10/29/2022 8:45:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analyst: DGH
Diesel Range Organics (DRO)	ND	14	mg/Kg	1	11/1/2022 8:30:03 AM
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	11/1/2022 8:30:03 AM
Surr: DNOP	98.1	21-129	%Rec	1	11/1/2022 8:30:03 AM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: NSB
Gasoline Range Organics (GRO)	ND	3.3	mg/Kg	1	10/30/2022 1:29:59 AM
Surr: BFB	92.8	37.7-212	%Rec	1	10/30/2022 1:29:59 AM
EPA METHOD 8021B: VOLATILES					Analyst: NSB
Benzene	ND	0.017	mg/Kg	1	10/30/2022 1:29:59 AM
Toluene	ND	0.033	mg/Kg	1	10/30/2022 1:29:59 AM
Ethylbenzene	ND	0.033	mg/Kg	1	10/30/2022 1:29:59 AM
Xylenes, Total	ND	0.067	mg/Kg	1	10/30/2022 1:29:59 AM
Surr: 4-Bromofluorobenzene	99.5	70-130	%Rec	1	10/30/2022 1:29:59 AM
EPA METHOD 300.0: ANIONS					Analyst: NAI
Chloride	ND	60	mg/Kg	20	10/31/2022 1:54:14 PM

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

Qualifiers:

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

RL

Page 1 of 12

Analytical Report

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2210E68

Date Reported: 11/3/2022

CLIENT: Devon Energy **Project:** Papas Fritas 27 CTB1 2210E68-002 Lab ID: Matrix: MEOH (SOIL)

Client Sample ID: BES22-07 2.5' Collection Date: 10/27/2022 9:45:00 AM

Received Date: 10/29/2022 8:45:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORG	GANICS				Analyst: DGH
Diesel Range Organics (DRO)	ND	14	mg/Kg	1	11/1/2022 8:40:30 AM
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	11/1/2022 8:40:30 AM
Surr: DNOP	97.4	21-129	%Rec	1	11/1/2022 8:40:30 AM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: NSB
Gasoline Range Organics (GRO)	ND	3.3	mg/Kg	1	10/30/2022 1:53:29 AM
Surr: BFB	89.9	37.7-212	%Rec	1	10/30/2022 1:53:29 AM
EPA METHOD 8021B: VOLATILES					Analyst: NSB
Benzene	ND	0.017	mg/Kg	1	10/30/2022 1:53:29 AM
Toluene	ND	0.033	mg/Kg	1	10/30/2022 1:53:29 AM
Ethylbenzene	ND	0.033	mg/Kg	1	10/30/2022 1:53:29 AM
Xylenes, Total	ND	0.066	mg/Kg	1	10/30/2022 1:53:29 AM
Surr: 4-Bromofluorobenzene	96.2	70-130	%Rec	1	10/30/2022 1:53:29 AM
EPA METHOD 300.0: ANIONS					Analyst: NAI
Chloride	ND	60	mg/Kg	20	10/31/2022 2:31:28 PM

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

Qualifiers:

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

н Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

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

Analyte detected in the associated Method Blank в

Above Quantitation Range/Estimated Value Е

J Analyte detected below quantitation limits

Р Sample pH Not In Range

RL Reporting Limit Page 2 of 12

Lab ID:

Analytical Report

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2210E68

Date Reported: 11/3/2022

CLIENT:	Devon Energy
Project:	Papas Fritas 27 CTB1

2210E68-003

Client Sample ID: BES22-11 2.5' Collection Date: 10/27/2022 9:50:00 AM

Matrix: MEOH (SOIL) Received Date: 10/29/2022 8:45:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE OF	RGANICS				Analyst: DGH
Diesel Range Organics (DRO)	ND	14	mg/Kg	1	11/1/2022 3:13:21 AM
Motor Oil Range Organics (MRO)	ND	46	mg/Kg	1	11/1/2022 3:13:21 AM
Surr: DNOP	97.8	21-129	%Rec	1	11/1/2022 3:13:21 AM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: NSB
Gasoline Range Organics (GRO)	ND	3.3	mg/Kg	1	10/30/2022 2:16:59 AM
Surr: BFB	87.4	37.7-212	%Rec	1	10/30/2022 2:16:59 AM
EPA METHOD 8021B: VOLATILES					Analyst: NSB
Benzene	ND	0.016	mg/Kg	1	10/30/2022 2:16:59 AM
Toluene	ND	0.033	mg/Kg	1	10/30/2022 2:16:59 AM
Ethylbenzene	ND	0.033	mg/Kg	1	10/30/2022 2:16:59 AM
Xylenes, Total	ND	0.066	mg/Kg	1	10/30/2022 2:16:59 AM
Surr: 4-Bromofluorobenzene	94.3	70-130	%Rec	1	10/30/2022 2:16:59 AM
EPA METHOD 300.0: ANIONS					Analyst: NAI
Chloride	ND	60	mg/Kg	20	10/31/2022 3:08:42 PM

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

Qualifiers:

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

RL

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Analytical Report

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2210E68

Date Reported: 11/3/2022

CLIENT: Devon Energy **Project:** Papas Fritas 27 CTB1 2210E68-004 Lab ID: Matrix: MEOH (SOIL)

Client Sample ID: BES22-27 3' Collection Date: 10/27/2022 9:55:00 AM

Received Date: 10/29/2022 8:45:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE OF	RGANICS				Analyst: DGH
Diesel Range Organics (DRO)	ND	14	mg/Kg	1	11/1/2022 3:23:50 AM
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	11/1/2022 3:23:50 AM
Surr: DNOP	97.6	21-129	%Rec	1	11/1/2022 3:23:50 AM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: NSB
Gasoline Range Organics (GRO)	ND	3.5	mg/Kg	1	10/30/2022 4:37:53 AM
Surr: BFB	91.5	37.7-212	%Rec	1	10/30/2022 4:37:53 AM
EPA METHOD 8021B: VOLATILES					Analyst: NSB
Benzene	ND	0.017	mg/Kg	1	10/30/2022 4:37:53 AM
Toluene	ND	0.035	mg/Kg	1	10/30/2022 4:37:53 AM
Ethylbenzene	ND	0.035	mg/Kg	1	10/30/2022 4:37:53 AM
Xylenes, Total	ND	0.070	mg/Kg	1	10/30/2022 4:37:53 AM
Surr: 4-Bromofluorobenzene	98.4	70-130	%Rec	1	10/30/2022 4:37:53 AM
EPA METHOD 300.0: ANIONS					Analyst: NAI
Chloride	ND	60	mg/Kg	20	10/31/2022 3:21:06 PM

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

Qualifiers:

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

н Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

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

Analyte detected in the associated Method Blank в

Above Quantitation Range/Estimated Value Е

J Analyte detected below quantitation limits

Р Sample pH Not In Range

RL Reporting Limit Page 4 of 12

Lab ID:

Analytical Report

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2210E68

Date Reported: 11/3/2022

CLIENT:	Devon Energy
Project:	Papas Fritas 27 CTB1

2210E68-005

Client Sample ID: BES22-30 3' Collection Date: 10/27/2022 10:00:00 AM Received Date: 10/29/2022 8:45:00 AM

Result **RL** Qual Units DF **Date Analyzed** Analyses EPA METHOD 8015M/D: DIESEL RANGE ORGANICS Analyst: DGH **Diesel Range Organics (DRO)** ND 15 mg/Kg 1 11/1/2022 3:34:21 AM Motor Oil Range Organics (MRO) ND 49 mg/Kg 1 11/1/2022 3:34:21 AM Surr: DNOP 98.2 21-129 %Rec 1 11/1/2022 3:34:21 AM **EPA METHOD 8015D: GASOLINE RANGE** Analyst: NSB Gasoline Range Organics (GRO) ND 10/30/2022 5:48:06 AM 3.4 mg/Kg 1 Surr: BFB 91.8 37.7-212 %Rec 1 10/30/2022 5:48:06 AM **EPA METHOD 8021B: VOLATILES** Analyst: NSB Benzene ND 0.017 10/30/2022 5:48:06 AM mg/Kg 1 Toluene ND 0.034 mg/Kg 1 10/30/2022 5:48:06 AM Ethylbenzene ND 0.034 mg/Kg 1 10/30/2022 5:48:06 AM Xylenes, Total ND 0.068 mg/Kg 10/30/2022 5:48:06 AM 1 Surr: 4-Bromofluorobenzene 97.6 70-130 %Rec 1 10/30/2022 5:48:06 AM **EPA METHOD 300.0: ANIONS** Analyst: NAI Chloride mg/Kg 10/31/2022 3:33:31 PM ND 60 20

Matrix: MEOH (SOIL)

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

Qualifiers:

Value exceeds Maximum Contaminant Level D Sample Diluted Due to Matrix

Н Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

POL Practical Quanitative Limit

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

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

RL

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Lab ID:

Analytical Report

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2210E68

Date Reported: 11/3/2022

CLIENT:	Devon Energy
Project:	Papas Fritas 27 CTB1

2210E68-006

Client Sample ID: BES22-31 3' Collection Date: 10/27/2022 10:05:00 AM

Matrix: MEOH (SOIL)

Received Date: 10/29/2022 8:45:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analyst: DGH
Diesel Range Organics (DRO)	ND	14	mg/Kg	1	11/1/2022 3:44:52 AM
Motor Oil Range Organics (MRO)	ND	46	mg/Kg	1	11/1/2022 3:44:52 AM
Surr: DNOP	91.7	21-129	%Rec	1	11/1/2022 3:44:52 AM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: NSB
Gasoline Range Organics (GRO)	ND	3.1	mg/Kg	1	10/30/2022 6:58:11 AM
Surr: BFB	93.4	37.7-212	%Rec	1	10/30/2022 6:58:11 AM
EPA METHOD 8021B: VOLATILES					Analyst: NSB
Benzene	ND	0.015	mg/Kg	1	10/30/2022 6:58:11 AM
Toluene	ND	0.031	mg/Kg	1	10/30/2022 6:58:11 AM
Ethylbenzene	ND	0.031	mg/Kg	1	10/30/2022 6:58:11 AM
Xylenes, Total	ND	0.062	mg/Kg	1	10/30/2022 6:58:11 AM
Surr: 4-Bromofluorobenzene	102	70-130	%Rec	1	10/30/2022 6:58:11 AM
EPA METHOD 300.0: ANIONS					Analyst: NAI
Chloride	ND	59	mg/Kg	20	10/31/2022 3:45:55 PM

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

Qualifiers:

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

н Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

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

- Analyte detected in the associated Method Blank в
- Above Quantitation Range/Estimated Value Е
- J Analyte detected below quantitation limits

Р Sample pH Not In Range

RL Reporting Limit Page 6 of 12

Client: Project:		n Energy Fritas 27 CTB1			
Sample ID:	MB-71179	SampType: mblk	TestCode: EPA Method 3	300.0: Anions	
Client ID:	PBS	Batch ID: 71179	RunNo: 92227		
Prep Date:	10/31/2022	Analysis Date: 10/31/2022	SeqNo: 3312348	Units: mg/Kg	
Analyte		Result PQL SPK value	e SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit Qual
Chloride		ND 1.5			
Sample ID:	LCS-71179	SampType: Ics	TestCode: EPA Method 3	300.0: Anions	
Client ID:	LCSS	Batch ID: 71179	RunNo: 92227		
Prep Date:	10/31/2022	Analysis Date: 10/31/2022	SeqNo: 3312349	Units: mg/Kg	
Analyte		Result PQL SPK value	e SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit Qual
Chloride		14 1.5 15.00	0 95.7 90	110	

Qualifiers:

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

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2210E68

03-Nov-22

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

	n Energy Fritas 27 CTB1					
Sample ID: LCS-71171	SampType: LCS	TestCode: E	PA Method	8015M/D: Diese	I Range Orga	nics
Client ID: LCSS	Batch ID: 71171	RunNo: 9	92198			
Prep Date: 10/31/2022	Analysis Date: 10/31/2022	SeqNo:	3311075	Units: mg/Kg		
Analyte	Result PQL SPK va	lue SPK Ref Val %REC	LowLimit	HighLimit	%RPD RPI	DLimit Qual
Diesel Range Organics (DRO)	46 15 50	.00 0 92.2	64.4	127		
Surr: DNOP	4.4 5.	88.2	21	129		
Sample ID: MB-71171	SampType: MBLK	TestCode: E	PA Method	8015M/D: Diese	I Range Orga	nics
Client ID: PBS	Batch ID: 71171	RunNo: 9	92198			
Prep Date: 10/31/2022	Analysis Date: 10/31/2022	SeqNo:	3311076	Units: mg/Kg		
Analyte	Result PQL SPK va	lue SPK Ref Val %REC	LowLimit	HighLimit	%RPD RPI	DLimit Qual
Diesel Range Organics (DRO)	ND 15					
Motor Oil Range Organics (MRO)	ND 50					
Surr: DNOP	9.0 10	00 90.3	21	129		
Sample ID: LCS-71174	SampType: LCS	TestCode: E	PA Method	8015M/D: Diese	I Range Orga	nics
Client ID: LCSS	Batch ID: 71174	RunNo: 9	92198			
Prep Date: 10/31/2022	Analysis Date: 10/31/2022	SeqNo:	3312301	Units: %Rec		
Analyte	Result PQL SPK va	lue SPK Ref Val %REC	LowLimit	HighLimit	%RPD RPI	DLimit Qual
Surr: DNOP	5.5 5.	00 110	21	129		
Sample ID: MB-71174	SampType: MBLK	TestCode: E	PA Method	8015M/D: Diese	I Range Orga	nics
Client ID: PBS	Batch ID: 71174	RunNo: 9	92198			
Prep Date: 10/31/2022	Analysis Date: 10/31/2022	SeqNo:	3312302	Units: %Rec		
Analyte	Result PQL SPK va	lue SPK Ref Val %REC	LowLimit	HighLimit	%RPD RPI	DLimit Qual
Surr: DNOP	9.7 10	.00 96.8	21	129		

Qualifiers:

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

RL Reporting Limit

2210E68

03-Nov-22

Devon Energy

Client:

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

Project:	Papas Frit		31								
Sample ID:	mb	SampT	уре: МЕ	BLK	Tes	tCode: EF	PA Method	8015D: Gaso	line Range		
Client ID:	PBS	Batch	ID: A9	2186	F	lunNo: 92	2186				
Prep Date:		Analysis D	ate: 10	/29/2022	S	SeqNo: 3	309758	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Rang Surr: BFB	e Organics (GRO)	ND 940	5.0	1000		94.0	37.7	212			
Sample ID:	2.5ug gro lcs	SampT	ype: LC	S	Tes	tCode: EF	PA Method	8015D: Gaso	line Range		
Client ID:	LCSS	Batch	ID: A9	2186	F	lunNo: 92	2186				
Prep Date:		Analysis D	ate: 10	/29/2022	S	SeqNo: 3	309759	Units: mg/K	(g		
Analyte		Result	PQL		SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Rang Surr: BFB	je Organics (GRO)	26 2000	5.0	25.00 1000	0	105 203	72.3 37.7	137 212			
Sample ID:	mb-ll	SampT	ype: ME	BLK	Tes	tCode: EF	PA Method	8015D: Gaso	line Range		
Client ID:	PBS	Batch	ID: B9	2186	F	lunNo: 92	2186				
Prep Date:		Analysis D	ate: 10	/30/2022	8	SeqNo: 3	309782	Units: mg/K	(g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Rang Surr: BFB	je Organics (GRO)	ND 930	5.0	1000		92.6	37.7	212			
Sample ID:	2.5ug gro lcs-ll	SampT	ype: LC	S	Tes	tCode: EF	PA Method	8015D: Gaso	line Range		
Client ID:	LCSS	Batch	ID: B9	2186	F	lunNo: 92	2186				
Prep Date:		Analysis D	ate: 10	/30/2022	5	SeqNo: 3	309783	Units: mg/K	(g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
-	e Organics (GRO)	25	5.0	25.00	0	99.4	72.3	137			
Surr: BFB		1900		1000		195	37.7	212			
Sample ID:	2210e68-004ams		уре: МS					8015D: Gaso	line Range		
Client ID:	BES22-27 3'		ID: B9			lunNo: 92					
Prep Date:		Analysis D	ate: 10	/30/2022	S	SeqNo: 3	309791	Units: mg/K	(g		
Analyte	0	Result	PQL	SPK value		%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	je Organics (GRO)	17 1300	3.5	17.39 695.4	0	96.1 191	70 37.7	130 212			
Sample ID:	2210e68-004amsd	SampT	уре: МS	SD	Tes	tCode: EF	PA Method	8015D: Gaso	line Range		
Client ID:	BES22-27 3'	Batch	ID: B9	2186	F	tunNo: 92	2186				
Prep Date:		Analysis D	ate: 10	/30/2022	S	SeqNo: 3	309792	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Qualifiers:

* Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

03-Nov-22

2210E68

Devon Energy

Client:

Hall Environmental Analysis Laboratory, Inc.		03-Nov-22
	WO#:	2210E68

Project:	Papas Frit	as 27 CT	B1								
Sample ID:	2210e68-004amsd	SampT	уре: МS	D	Tes	tCode: EF	PA Method	8015D: Gasol	line Range		
Client ID:	BES22-27 3'	Batcl	n ID: B9 2	2186	F	RunNo: 92	2186				
Prep Date:		Analysis E	Date: 10	/30/2022	S	SeqNo: 33	309792	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Rang	e Organics (GRO)	16	3.5	17.39	0	90.6	70	130	5.83	20	
Surr: BFB		1300		695.4		182	37.7	212	0	0	

Qualifiers:

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

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WO#:	2210E68
	02 Nov 22

03-Nov-22
05 1107 22

Client: Project:	Devon Er Papas Fri	nergy tas 27 CT	B1								
	L.										
Sample ID:			Гуре: МЕ					8021B: Volati	les		
	PBS		h ID: C9			RunNo: 92					
Prep Date:		Analysis [Date: 10	/29/2022	5	SeqNo: 33	309797	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene		ND	0.025								
Toluene		ND	0.050								
Ethylbenzene		ND	0.050								
Xylenes, Total	a .	ND	0.10	4 000		~~ 7		400			
Surr: 4-Brom	ofluorobenzene	0.99		1.000		98.7	70	130			
Sample ID:	100ng btex lcs	Samp	Гуре: LC	S	Tes	stCode: EF	PA Method	8021B: Volati	les		
Client ID:	LCSS	Batc	h ID: C9	2186	F	RunNo: 92	2186				
Prep Date:		Analysis [Date: 10	/29/2022	Ş	SeqNo: 33	309798	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene		1.1	0.025	1.000	0	105	80	120			
Toluene		1.1	0.050	1.000	0	105	80	120			
Ethylbenzene		1.0	0.050	1.000	0	104	80	120			
Xylenes, Total		3.1	0.10	3.000	0	105	80	120			
Surr: 4-Brom	ofluorobenzene	1.0		1.000		102	70	130			
Sample ID:	mb-ll	Samp	Гуре: МЕ	BLK	Tes	stCode: EF	PA Method	8021B: Volati	les		
Client ID:	PBS	Batc	h ID: D9 :	2186	F	RunNo: 92	2186				
Prep Date:		Analysis [Date: 10	/30/2022	Ş	SeqNo: 33	309819	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene		ND	0.025								
Toluene		ND	0.050								
Ethylbenzene		ND	0.050								
Xylenes, Total		ND	0.10								
Surr: 4-Brom	ofluorobenzene	0.99		1.000		99.2	70	130			
Sample ID:	100ng btex lcs-ll	Samp	Гуре: LC	S	Tes	stCode: EF	PA Method	8021B: Volati	les		
Client ID:	LCSS	Batc	h ID: D9	2186	F	RunNo: 9 2	2186				
Prep Date:		Analysis [Date: 10	/30/2022	Ş	SeqNo: 33	309820	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene		1.0	0.025	1.000	0	102	80	120			
Toluene		1.0	0.050	1.000	0	103	80	120			
Ethylbenzene		1.0	0.050	1.000	0	104	80	120			
Xylenes, Total		3.1	0.10	3.000	0	103	80	120			
Surr: 4-Brom	ofluorobenzene	1.0		1.000		101	70	130			

Qualifiers:

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

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QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

Client:	Devon Energy
Project:	Papas Fritas 27 CTB1

Sample ID: 2210e68-005ams	Samp [¬]	Type: MS	5	Tes	tCode: EF	PA Method	8021B: Volati	les		
Client ID: BES22-30 3'	Batc	h ID: D9 2	2186	F	RunNo: 9 2	2186				
Prep Date:	Analysis [Date: 10	/30/2022	S	SeqNo: 3	309828	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.62	0.017	0.6752	0	92.6	68.8	120			
Toluene	0.64	0.034	0.6752	0	94.8	73.6	124			
Ethylbenzene	0.64	0.034	0.6752	0	94.8	72.7	129			
Xylenes, Total	1.9	0.068	2.026	0.01249	93.6	75.7	126			
Surr: 4-Bromofluorobenzene	0.62		0.6752		92.2	70	130			
	0.02		0.0102		-					
Sample ID: 2210e68-005amsd		Type: MS		Tes		PA Method	8021B: Volati	les		
	Samp	Type: MS h ID: D9 2	5D				8021B: Volati	les		
Sample ID: 2210e68-005amsd	Samp	h ID: D9 2	5D 2186	F	tCode: EF	2186	8021B: Volati Units: mg/K			
Sample ID: 2210e68-005amsd Client ID: BES22-30 3'	Samp ⁻ Batc	h ID: D9 2	6D 2186)/30/2022	F	tCode: EF RunNo: 92	2186			RPDLimit	Qual
Sample ID: 2210e68-005amsd Client ID: BES22-30 3' Prep Date:	Samp Batc Analysis [h ID: D9 : Date: 10	6D 2186)/30/2022	F	tCode: EF RunNo: 92 SeqNo: 33	2186 309829	Units: mg/K	g	RPDLimit 20	Qual
Sample ID: 2210e68-005amsd Client ID: BES22-30 3' Prep Date: Analyte	Samp ⁻ Batc Analysis I Result	h ID: D9 Date: 10 PQL	5D 2186)/30/2022 SPK value	F S SPK Ref Val	tCode: EF RunNo: 92 SeqNo: 33 %REC	2186 309829 LowLimit	Units: mg/K HighLimit	g %RPD		Qual
Sample ID: 2210e68-005amsd Client ID: BES22-30 3' Prep Date: Analyte Benzene	Samp Batc Analysis I Result 0.67	h ID: D9 Date: 10 PQL 0.017	5D 2186 //30/2022 SPK value 0.6752	F SPK Ref Val 0	tCode: EF RunNo: 92 SeqNo: 33 %REC 99.5	2186 309829 LowLimit 68.8	Units: mg/K HighLimit 120	g %RPD 7.24	20	Qual
Sample ID: 2210e68-005amsd Client ID: BES22-30 3' Prep Date: Analyte Benzene Toluene	Samp Batc Analysis I Result 0.67 0.68	h ID: D9 Date: 10 PQL 0.017 0.034	5D 2186 //30/2022 SPK value 0.6752 0.6752	F SPK Ref Val 0 0	tCode: EF RunNo: 92 SeqNo: 3 %REC 99.5 101	2186 309829 LowLimit 68.8 73.6	Units: mg/K HighLimit 120 124	g %RPD 7.24 6.18	20 20	Qual

Qualifiers:

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

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- WO#: 2210E68
 - 03-Nov-22

HALL ENVIRONMENTAL ANALYSIS LABORATORY			TE	Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque. NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com			Sar	Sample Log-In Check List		
Client Name:	Devon Ene	gy	Work	Order Num	ber: 2210E68			RcptNo:	1	
Received By: Completed By: Reviewed By:	Tracy Cas Tracy Cas			022 8:45:00 022 9:23:52						
Chain of Custo 1. Is Chain of Cus 2. How was the sa	stody comp				Yes ⊻ <u>Courier</u>	٦	io 🗌	Not Present		
Log In 3. Was an attempt made to cool the samples?					Yes 🗹	Ν	lo 🗌	NA 🗌		
4. Were all samples received at a temperature of $>0^{\circ}$ C to 6.0° C			o 6.0°C	Yes 🗹	Ν	lo 🗌	na 🗍			
5. Sample(s) in proper container(s)?				Yes 🗹	Ν	lo 🗌				
6. Sufficient sampl					Yes 🗹	N				
7 Are samples (except VOA and ONG) properly preserved?				ed?	Yes 🗹	N	∘⊔			
8. Was preservativ	ve added to	bottles?			Yes 🗌	N	∘ ⊻	NA 🗌		
9. Received at leas	st 1 vial witl	n headspace <	:1/4" for AO V	OA?	Yes 🗌	N	o 🗌	NA 🗹	/	
10. Were any samp		-			Yes □	N	lo 🔽			
11. Does paperwork (Note discrepan	k match bot	tle labels?			Yes 🗹		o 🗌	# of preserved bottles checked for pH: (<2 or	×12 unless noted)	
12 Are matrices co			of Custody?		Yes 🗹	N	•	Adjusted?		
13, Is it clear what a	analyses we	ere requested?			Yes 🗹	N	o 🗌			
14. Were all holding (If no, notify cus	times able	to be met?			Yes 🗹	N	•	Checked by:	10/28/22	
Special Handlin	ng (if app	licable)								
15. Was client notified of all discrepancies with this order?			,	Yes 🗌	Ν	10 12	NA 🗹			
Person Notified: Date: D] Phone] Fax	In Person		
16. Additional rem	arks:									
17. Cooler Inform	ation									
Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signe	d By			
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		(M	www.hallenvironmental.com	vironme	ental.co	E		
Mailing Address:	Papas Erizgs	95 216781	4901	4901 Hawkins NE - Albuquerque, NM 87109	NE - A	puquen	que, NN	A 87109		
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ATTACHMENT 8



Dhugal Hanton <vertexresourcegroupusa@gmail.com>

Papa Fritas 27 CTB 1, 30 day extension

2 messages

Dhugal Hanton <vertexresourcegroupusa@gmail.com> Tri, Oct 21, 2022 at 10:37 AM To: "Enviro, OCD, EMNRD" <OCD.Enviro@state.nm.us>, "Bratcher, Mike, EMNRD" <Mike.Bratcher@state.nm.us>, "Billings, Bradford, EMNRD" <bradford.billings@state.nm.us>, "Nobui, Jennifer, EMNRD" <Jennifer.Nobui@state.nm.us>, "Hensley, Chad, EMNRD" <chad.hensley@state.nm.us>

Vertex is requesting a 30 day extension for Papa Fritas 27 CTB 1

nAPP2210924425, release date 4/18/2022

and

nAPP2127146416, release date 9/28/2021,

We are currently excavating and have collected confirmation samples. The excavation is almost complete and we are generating the report with the expectation that it will be ready within 30 days.

Please let me know if you have any questions or concerns.

Thank you,

Kent

Kent Stallings P.G. Project Manager

Vertex Resource Services Inc. 3101 Boyd Drive, Carlsbad, NM 88220

P 575.725.5001 C 346.814.1413 F

www.vertex.ca

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Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov> To: Dhugal Hanton <vertexresourcegroupusa@gmail.com> Page 365 of 380

Kent,

Remediation plans were due for **incident NAPP2210924425 on 07/18/2022 and incident NAPP2127146416 on 12/28/2021**. Due to the requests being outside the 90 day guideline, the extension requests are denied. Please include this e-mail correspondence in the remediation and/or closure report.

Robert Hamlet • Environmental Specialist - Advanced

Environmental Bureau

EMNRD - Oil Conservation Division

506 W. Texas Ave.| Artesia, NM 88210

575.909.0302 | robert.hamlet@state.nm.us

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



From: Dhugal Hanton <vertexresourcegroupusa@gmail.com> Sent: Friday, October 21, 2022 10:37 AM To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>; Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>; Billings, Bradford, EMNRD <Bradford.Billings@emnrd.nm.gov>; Nobui, Jennifer, EMNRD <Jennifer.Nobui@emnrd.nm.gov>; Hensley, Chad, EMNRD <Chad.Hensley@emnrd.nm.gov> Subject: [EXTERNAL] Papa Fritas 27 CTB 1, 30 day extension

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ATTACHMENT 9

DEVON ENERGY Papas Fritas 27 CTB 1

Work Plan - Preliminary

UL O, Section 27, T23S, R29E Eddy County, New Mexico

> NAPP2127146416 NAPP2129171458

October 6, 2021



Prepared for:

Devon Energy 6488 Seven Rivers Hwy Artesia, NM 88210

By:

Safety & Environmental Solutions, Inc. 703 East Clinton Hobbs, New Mexico 88240 (575) 397-0510

Company Contacts

Representative	Company	Telephone	E-mail
Wes Mathews	Devon Energy	575-578-6195	Wesley.Mathews@dvn.com
Bob Allen	SESI	575-397-0510	ballen@sesi-nm.com

Background

Safety and Environmental Solutions, Inc., hereinafter referred to as (SESI) was contracted by Devon Energy to assess a release at the Papas Fritas 27 CTB 1 location. This site is situated in UL O, Section 27, Township 23S and Range 29E, in Lea County New Mexico. We are addressing the release in this plan which will be remediated upon plan approval.

According to the NOR for incident NAPP2113158013, corrosion on a fitting resulted in the release of 150 bbls of produced water. A vacuum truck was dispatched and recovered 125 bbls free-standing fluid.

This workplan addresses two incident numbers, NAPP2113158013 & NAPP2127146416. This single event was documented or reported twice, one is a duplicate.

Surface and Ground Water

According to the NMOCD Oil and Gas Map, there is no surface water within 3,000 feet of this location and spill areas. Depth to groundwater determination was not successfully established based on the guidelines required by NMOCD; therefore, Devon will remediate these spills according to the most stringent criteria set forth by NMOCD in NMAC 19.15.29.

Characterization

The release has been fully delineated both vertically and horizontally, which includes establishing horizontal and vertical extent of delineation to the most stringent standard of 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene.

Release Area (NAPP2113158013), Investigation

SESI personnel tracked and mapped the release and sampled the area to achieve both vertical and horizontal delineation. Samples were taken at the surface and 1-foot intervals until field testing indicated the samples to meet target levels. The horizontal extent samples are denoted on the map with an H beside the sample number. The samples were properly preserved and packaged and sent to Hall Environmental Labs for testing. The results of the analytical are captured in the summary table below.

Sample ID	Chloride	ТРН	Sample ID	Chloride	ТРН
AH-1 @ Surf	NT	NT	AH-9 @ Surf	NT	NT
AH-1 @ 1'	2220	NT	AH-9 @ 1'	<108	07
AH-1 @ 2'	160	01			
			AH-10 @ Surf	NT	NT

Table 1 – Field Test Samples

AH-2 @ 1' 2604 NT AH-10 @ 2' 220 12 AH-2 @ 2' 1648 NT AH-11 @ Surf NT NT AH-2 @ 3' 160 05 AH-11 @ 1' 1648 NT AH-2 @ 3' 160 05 AH-11 @ 1' 1648 NT AH-3 @ Surf NT NT NT NT NT AH-4 @ Surf NT NT NT NT NT AH-4 @ Surf NT NT AH-12 @ 2' 188 10 AH-4 @ 1' 1648 NT AH-13 @ Surf NT NT AH-4 @ 2' 188 05 AH-13 @ 1' 1772 NT AH-5 @ 1' 1772 NT AH-14 @ Surf NT NT AH-5 @ 1' 1772 NT AH-14 @ Surf NT NT AH-5 @ 1' 1						1500	
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Release Area (NAPP2113158013), Action Plan

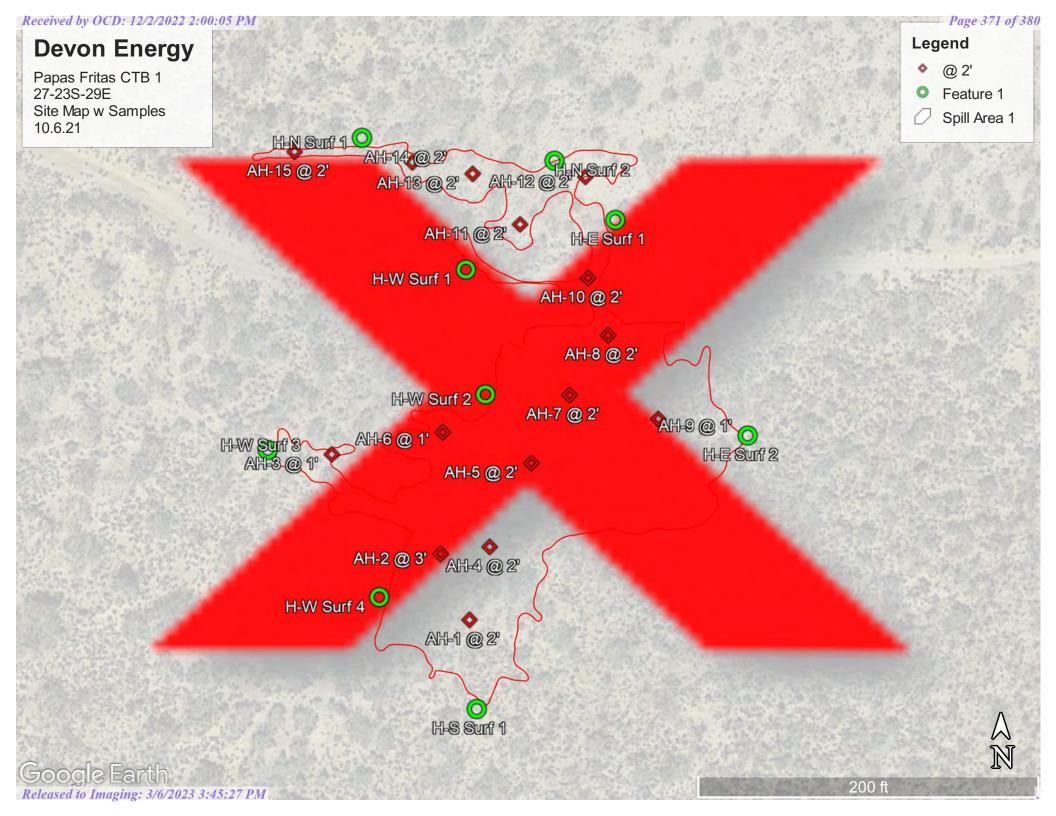
Based on the results above for vertical extent samples AH-1 through AH-15, SESI respectfully recommends the entire leak of release area be remediated to a depth of 2 to 3 foot where applicable. The excavation area is outlined in the map of this release located in this report. Once this remediation plan is approved, Devon will perform the remediation and all removed soil will be disposed of in an OCD-approved landfill. Devon will then conduct both bottom and sidewall confirmation sampling to ensure all contaminated materials have been removed to the most stringent criteria established by NMOCD. Upon receipt of lab results verifying all contaminants have been removed, Devon will backfill the site with uncontaminated soil. If it becomes apparent that facility equipment and/or structure integrity is compromised, SESI respectfully requests deferment of those areas until a later date. If this happens, pictures of the area of equipment/structures will be provided to provide evidence of deferral necessity.

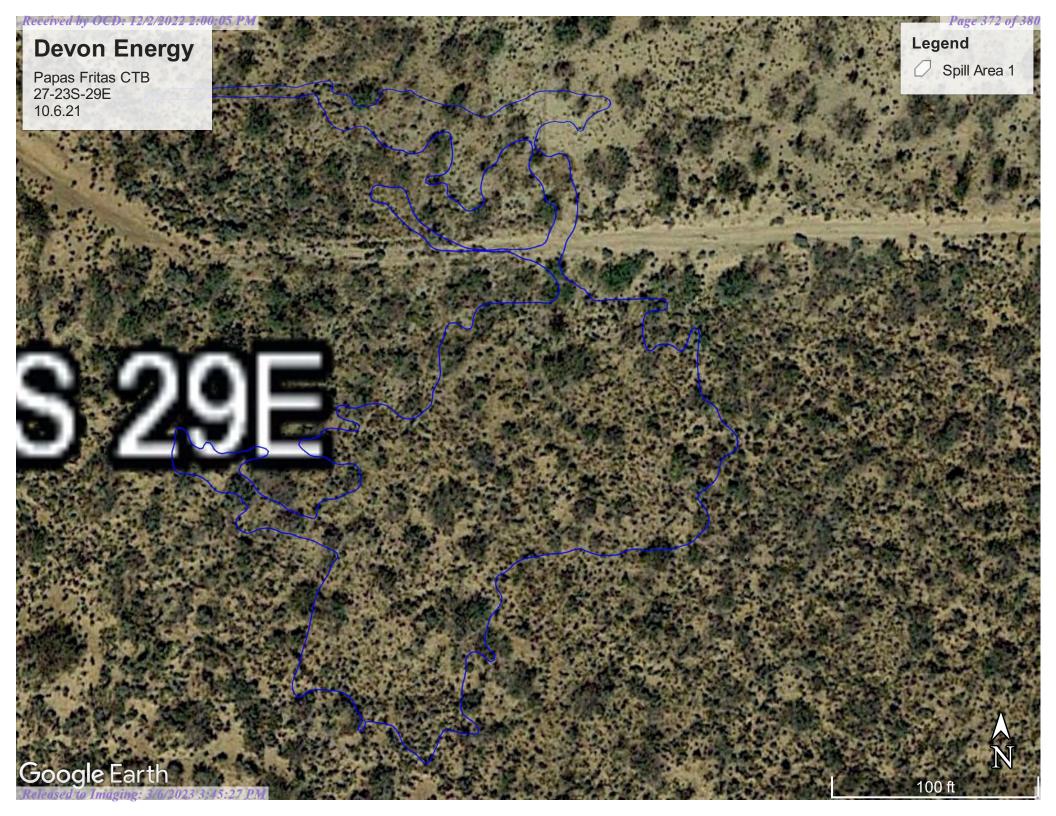
SESI, on behalf of Devon respectfully submits this remediation plan and requests approval at your earliest convenience. Upon approval, remediation efforts will be conducted within 90 days.

Supplemental and Supporting Documentation

Evidence Document 1: Map of Release area, with vertical and horizontal extent sample locations

Evidence Document 2: NMOCD Oil and Gas Topo map detailing area water features Evidence Document 3: BLM Cave Karst map showing location in low potential area Evidence Document 4: FEMA demonstrating minimal flood hazards for this area Evidence Document 5: Lab analysis for Release area, 6/16/21





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OSE District Boundary

New Mexico State Trust Lands

Both Estates

SiteBoundaries

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Oil Conservation Division of the New Mexico Energy, Minerals and Natural Resources Department, OCD, Maxar

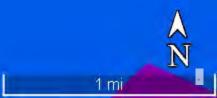
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Papas Fritas CTB J-27-23S-29E Karst Map - Medium

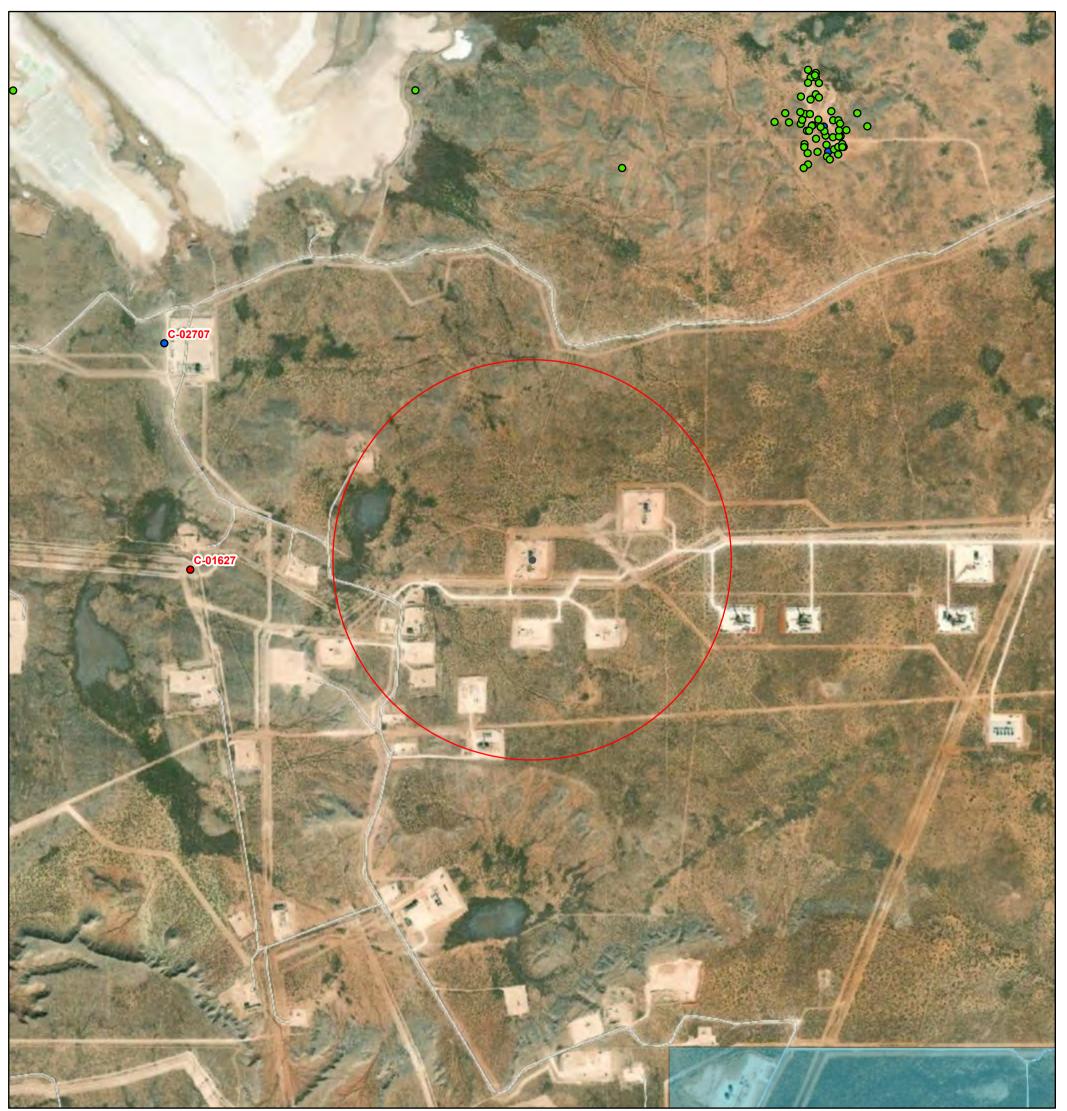


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- Pending
- Plugged



OSE District Boundary

New Mexico State Trust Lands

Both Estates

SiteBoundaries

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

Printed from Public Web Map Unofficial Map from OSE POD Locations Web Application



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National Water Information System: Web Interface

USGS Water Resources

Data Category: Geographic Area: ~ roun ater е e ico

Click to hideNews Bulletins

- Explore the NEW USGS National Water Dashboard interactive map to access real-time water data from over 13,500 stations nationwide.
- Full News 🔊

Click to hide state-specific text

Important: <u>Next Generation Monitoring Location Page</u>

Search Results -- No sites found

No sites were found for groundwater level data using your search criteria.

The sites you requested may be available offline. For more information, contact USGS Water Data Inquiries.

Site name contains string = 23S.29E.27 Minimum number of levels = 1

Use the "Back" button on your browser to change your search criteria.

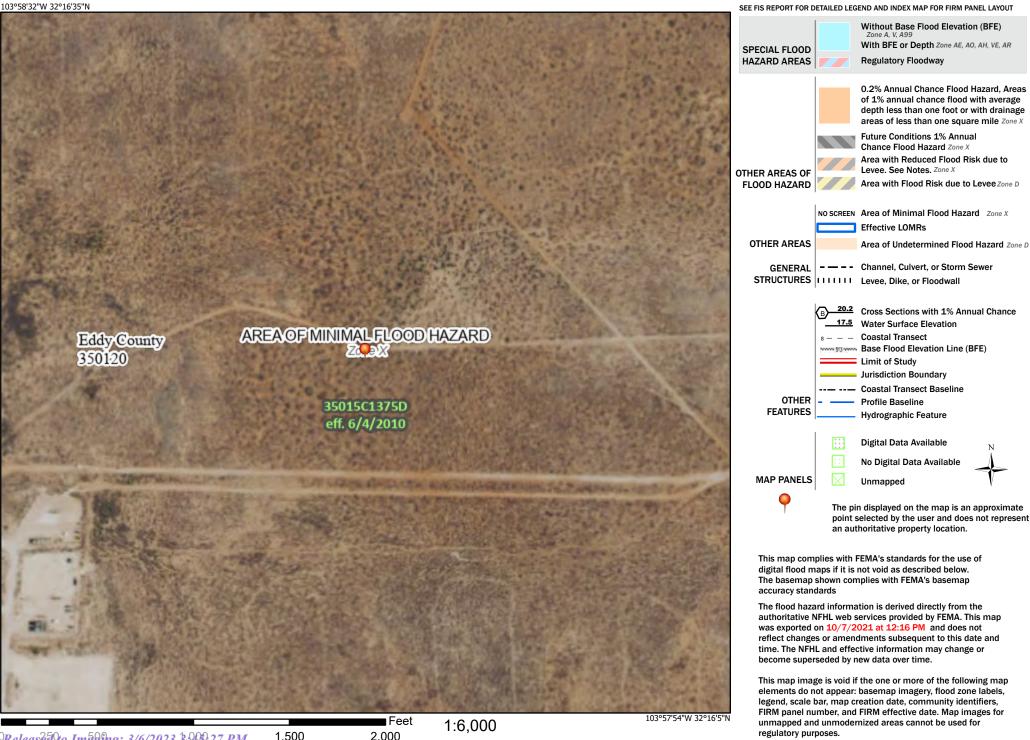
eturn To re ious age

Received by OCD: 12/2/2022 2:00:05 PM National Flood Hazard Layer FIRMette



Legend

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Releasea to Imaging: 3/6/2023 3:499.27 PM 1,500

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

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

COMMENTS

Operator:	OGRID:	
DEVON ENERGY PRODUCTION COMPANY, LP	6137	
333 West Sheridan Ave.	Action Number:	
Oklahoma City, OK 73102	163410	
	Action Type:	
	[C-141] Release Corrective Action (C-141)	

COMMENTS

COMMENTS					
Created By	Comment	Comment Date			
jharimon	this incident file is missing a complete, signed and dated Initial c-141	12/6/2022			

COMMENTS

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Action 163410

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CONDITIONS

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CONDITIONS

Created By Condition

We have received your closure report and final C-141 for Incident #NAPP2127146416 PAPAS FRITAS 27 CTB 1, thank you. This closure is approved. 3/6/2023 rhamlet

CONDITIONS

Action 163410

Condition Date