

Incident ID	nAPP2136132623
District RP	
Facility ID	
Application ID	68785

Closure

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

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

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

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

Printed Name: Kurt A. Shipley Title: Chief Operating Officer
 Signature:  Date: 5/17/2022
 email: kshipley@novooog.com Telephone: 405-286-3916

OCD Only

Received by: Robert Hamlet Date: 9/23/2022

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: Robert Hamlet Date: 9/23/2022
 Printed Name: Robert Hamlet Title: Environmental Specialist - Advanced

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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Release Notification

Responsible Party

Responsible Party: Novo Oil & Gas Northern Delaware, LLC	OGRID: 372920
Contact Name: Kurt A. Shipley	Contact Telephone: 405-286-3916
Contact email: kshipley@novooog.com	Incident # (assigned by OCD): nAPP2136132623
Contact mailing address: 1001 West Wilshire Blvd., Suite 206 Oklahoma City, OK 73116	

Location of Release Source

Latitude 32.308641

Longitude -104.052567
(NAD 83 in decimal degrees to 5 decimal places)

Site Name: Ovation Pad - O	Site Type: Well Pad
Date Release Discovered: 12/18/2021	API# (if applicable)

Unit Letter	Section	Township	Range	County
A	14	T23S	R28E	Eddy

Surface Owner: State Federal Tribal Private (Name: Lionel Onsurez)

Nature and Volume of Release

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

<input type="checkbox"/> Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Produced Water	Volume Released (bbls):	Volume Recovered (bbls):
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
<input checked="" type="checkbox"/> Other (EnerLite – 35% diesel/65% brine)	Volume/Weight Released (provide units) – 15 bbls	Volume/Weight Recovered (provide units) – 15 bbls

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<p>Cause of Release During drilling the Ovation 212H Well with brine-diesel emulsion drilling fluid (EnerLite drilling fluid – 35% diesel/65% brine water), the flowline packed off with cuttings and mud and filled up the gas separator. Drilling fluid then flowed out to the flare line and up and out the flare stack. Approximately 15 bbls of drilling fluid spilled on the location. The release was centralized to the northwest corner of the earthen bermed pad. The berm near the flare stack had been inadvertently knocked down, resulting in approximately 3.5 bbls of drilling fluid that impacted privately owned property (approximately 3-6 feet wide x 60 feet in length). The affected area on the drilling pad was 20 feet x 40 feet. The landowner was notified on 12/18/2021 and the affected soil was excavated and hauled to Republic Services for disposal.</p> <p>Volume of the release was calculated by the volume in the active steel drilling pits prior to the spill and the volume of the active drilling pits after the spill. The difference was 15 barrels and was confirmed by adding 15 barrels of new drilling fluid into the steel drilling pits to bring back to full status.</p>	
<p>Was this a major release as defined by 19.15.29.7(A) NMAC?</p> <p><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>	<p>If YES, for what reason(s) does the responsible party consider this a major release?</p> <p>NA – Minor Release</p>
<p>If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?</p> <p>NA – Minor Release</p>	

Initial Response

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

<p><input checked="" type="checkbox"/> The source of the release has been stopped.</p> <p><input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment.</p> <p><input checked="" type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.</p> <p><input checked="" type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.</p>
<p>If all the actions described above have <u>not</u> been undertaken, explain why:</p> <p>All initial response actions above have been completed.</p> <p>Remediation efforts (excavated affected soil) will be confirmed with sampling.</p>
<p>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.</p>

State of New Mexico
Oil Conservation Division

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Printed Name: Kurt A. Shipley Title: Chief Operating Officer

Signature:  Date: December 27, 2021

email: kshipley@novoog.com Telephone: 405-286-3916

OCD Only

Received by: _____ Date: _____

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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?	<55 (ft bgs)
Did this release impact groundwater or surface water?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Did the release impact areas not on an exploration, development, production, or storage site?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

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

<p>Characterization Report Checklist: <i>Each of the following items must be included in the report.</i></p> <p style="color: red; font-weight: bold;">Data in this section is included in the Response Action Completion and Closure Report</p> <ul style="list-style-type: none"> <input checked="" type="checkbox"/> Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells. <input checked="" type="checkbox"/> Field data <input checked="" type="checkbox"/> Data table of soil contaminant concentration data <input checked="" type="checkbox"/> Depth to water determination (assumed less than 50 feet below ground surface) <input checked="" type="checkbox"/> Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release <input checked="" type="checkbox"/> Boring or excavation logs (refer to Figures 4 and 5 for grids and excavation areas) <input checked="" type="checkbox"/> Photographs including date and GIS information <input checked="" type="checkbox"/> Topographic/Aerial maps <input checked="" type="checkbox"/> Laboratory data including chain of custody
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State of New Mexico
Oil Conservation Division

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Soil assessment and delineation activities were not conducted prior to remediation efforts due to the small nature of the release in well defined identified areas. All soil analytical data associated with remediation of the off-site and on-site areas is presented in the Response Action Completion and Closure Report. The data supports the completion of delineation and remediation efforts for both the off-site and on-site areas.

Based on the nature of the release, remediation of the affected soil areas was completed by excavation and removal of all affected soil to meet the most stringent levels of Closure Criteria in Table I of 19.15.29.12 NMAC.

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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Printed Name: Kurt A. Shipley Title: Chief Operating Officer
 Signature:  Date: 5-17-2022
 email: kshipley@novoog.com Telephone: 405-286-3916

OCD Only

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Remediation Plan **NOT APPLICABLE**

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

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

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

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

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Printed Name: Kurt A. Shipley Title: Chief Operating Officer
 Signature:  Date: 5-17-2022
 email: kshipley@novoog.com Telephone: 405-286-3916

OCD Only

Received by: _____ Date: _____

- Approved Approved with Attached Conditions of Approval Denied Deferral Approved

Signature: _____ Date: _____

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Printed Name: Kurt A. Shipley Title: Chief Operating Officer
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Closure Approved by: _____ Date: _____

Printed Name: _____ Title: _____

**Release Response Action Completion
& Closure Report
Drilling Fluid Release - Incident ID No. nAPP2136132623
Ovation Pad - O
Discovery Date: December 18, 2021
Eddy County, New Mexico**

***Prepared for:
Novo Oil & Gas Northern Delaware, LLC
1001 West Wilshire Blvd., Suite 206
Oklahoma City, Oklahoma 73116***

***Prepared By:
Altamira-US
Bryan Haney, P.G. TX 929
Corpus Christi, Texas 78418
(361)658-3126***

May 19, 2022



Ovation Pad – O – Release Response Action Completion & Closure Report
Novo Oil & Gas, Eddy County, New Mexico
Discovery Date: December 18, 2021

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ACRONYMS AND ABBREVIATIONS

- Altamira Altamira-US, LLC
- Novo Novo Oil & Gas Northern Delaware, LLC
- bgs below ground surface
- mg/Kg milligram per kilogram
- NMOCD New Mexico Oil Conservation District
- NMED New Mexico Environmental Department
- TPH Total Petroleum Hydrocarbons
- BTEX Benzene, Toluene, Ethylbenzene, Xylenes
- VOCs Volatile Organic Compounds

Ovation Pad – O – Release Response Action Completion & Closure Report
Novo Oil & Gas, Eddy County, New Mexico
Discovery Date: December 18, 2021

1.0 INTRODUCTION

Novo Oil & Gas Northern Delaware, LLC (Novo Oil & Gas) (OGRID No. 372920) operate a facility known as the “Ovation Fed Com 1318” (Ovation Pad-O) located in Unit H, Section 14, T23S, R28E, in Eddy County, New Mexico. On December 18, 2021, field personnel for Novo Oil & Gas discovered a release of drilling fluid from a flare stack located southeast of County Road 31 (Potash Mines Road) at latitude N32308641, longitude W-104.052567 (**Figure 1 and Figure 2**). This Release Response Action & Closure Report has been prepared to document initial response actions, remediation, and site closure efforts.

1.1 Release Details and Initial Response

On December 18, 2021, during drilling of the Ovation 212H well using a brine-diesel emulsion drilling fluid (EnerLite drilling fluid – 35% diesel and 65% brine water), the flow line packed off with drill cuttings and mud which caused the gas separator to fill. Drilling fluid flowed out to the flare line and up and out the flare stack. Approximately 15 barrels of drilling fluid spilled from the flare stack onto the adjacent pad area. The release was centralized to the northwest corner of the earthen bermed pad. The berm near the flare stack had been inadvertently knocked down, resulting in approximately 3.5 barrels of the drilling fluid that impacted privately owned property. The release affected an area located on the adjacent private property (owned by Mr. Lionel Onsurez) of approximately 28' x 140' (3,920 ft²) (**Figure 3 and Figure 4**). The release affected an area on the Ovation Pad-O of approximately 27' x 125' (3,375 ft²) (**Figure 3 and Figure 5**).

The release of the brine-diesel emulsion drilling fluid from the flare stack was identified quickly by Novo Oil & Gas personnel and steps were taken to mitigate further release and contain and remove the fluids spilled onto the pad and adjacent property. Novo Oil & Gas estimated approximately 15 barrels of the brine-diesel emulsion drilling fluid was released and approximately 13 barrels of the brine-diesel emulsion drilling fluid was recovered using vacuum trucks and removal of surficial stained soil. The justification for the quantity release is based on the following:

- Volume of drilling fluid in the active steel drilling pits prior to release
- Volume of drilling fluid in the active steel drilling pits following release
- Calculated difference was approximately 15-barrels
- Confirmed by adding 15-barrels of new drilling fluid into the steel pits (full status)

Upon discovery of the release, Novo utilized a vacuum truck to remove all standing fluids both onsite and offsite. Approximately 13 barrels of fluids were recovered. Novo contracted BDS Oilfield Services to conduct scraping and removal of visually affected soil both onsite and offsite. Affected soil was loaded and transported to the Republic Services disposal facility.

1.2 Notification

Based on the quantity of fluid released being less than 25 barrels, the release was determined to be a Minor release per 19.15.29.1.B NMAC. The initial release notification was submitted online to the New Mexico Oil Conservation District (NMOCD) on December 27, 2021. The OCD issued incident ID# nAPP2136132623.

Ovation Pad – O – Release Response Action Completion & Closure Report
Novo Oil & Gas, Eddy County, New Mexico
Discovery Date: December 18, 2021

The C-141 Release Notification Form was submitted to the online portal on December 27, 2021 (**Attachment A**). The C-141 Notification Form was modified due to a correct the unit letter (H) and was submitted directly to Romona Marcus on January 4, 2022.

1.3 Project Objectives

The project objectives were to: 1) conduct initial release cleanup efforts, 2) conduct initial source area soil assessment (surface only) to evaluate general degree of impact to soil, 3) physically remove affected soil containing constituent concentrations that exceed the OCD and New Mexico Environmental Department (NMED) (volatile organic compounds only) action/cleanup levels, and 4) restore and reclaim the remediated areas.

1.4 Regulatory Framework

The Site is subject to environmental regulatory oversight by the NMOCD; however, since the drilling fluid contained a proprietary chemical component volatile organic compounds (VOCs) were evaluated using the NMED's soil screening levels (SSLs). Notification, assessment, and response action activities were conducted in accordance with guidelines outlined in 19.15.29 NMAC.

2.0 STANDARD OF CARE, LIMITATIONS, & RELIANCE

2.1 Standard of Care

Altamira's services were performed in accordance with standards customarily provided by a firm rendering the same or similar services in the area during the same period of time. Altamira makes no warranties, expressed or implied, as to the services performed hereunder. Additionally, Altamira does not warrant the work of laboratories, regulatory agencies, or other third parties supplying information used in the preparation of the report.

2.2 Additional Limitations

Findings, conclusions and recommendations resulting from these services are based upon information derived from the services performed under this scope of work and it should be noted that this information is subject to change over time. Certain indicators of the presence of hazardous substances, petroleum products, or other constituents may have been latent, inaccessible, unobservable, or not present during these services, and Altamira cannot represent that the Site contains no hazardous substances, toxic materials, petroleum products, or other latent conditions beyond those identified during this scope of services. Environmental conditions at other areas or portions of the Site may vary from those encountered at actual sample locations. Altamira's findings and recommendations are based solely upon data available to Altamira at the time of these services.

3.0 RECEPTOR AND WATER SOURCES SURVEY

Ovation Pad – O – Release Response Action Completion & Closure Report
Novo Oil & Gas, Eddy County, New Mexico
Discovery Date: December 18, 2021

3.1 Wellhead Protection Discussion

During assessment field activities, Altamira field personnel conducted a 0.5-mile radius search of the surrounding area to determine the presence of any known private or domestic water sources. During the search, no water wells or springs were identified within 0.5 miles of the release area. Harroun Ditch (dry man-made ditch/canal for irrigation) is present approximately 150 feet southwest of the Site. At the time of remediation activities, the ditch was dry. The release did not result in any adverse effects to Harroun Ditch. Altamira also reviewed available maps, satellite imagery, and reviewed the New Mexico Office of the State Engineers GIS database to search for known water wells. In review of the State Engineers GIS database, no water wells, monitoring wells or other subsurface water conveyances were identified within 0.5 miles of the release area.

Based on review of the FEMA Flood Map for the site area, the release area is location in Zone A “No base flood elevations determined” (FIRM Panel 35015C1350D).

3.2 Significant Water Source Discussion

Altamira conducted a review of the significant watercourses nearest the release area. The Pecos River is located approximately 450 feet west-southwest of the Site. The release did not result in any adverse effects to the Pecos River. Salt Lake is located approximately 1.42 miles east-southeast of the Site area. No other watercourses were identified within a 0.5-mile radius of the release area.

4.0 INITIAL LIMITED SAMPLING SOIL ACTIVITIES

4.1 Initial Release Sampling

On January 12, 2022, Altamira conducted initial surface soil sampling activities on both the off-site and on-site release areas. The purpose of the surface soil sampling was to determine a general extent and degree of impact to soil within the approximate release area. Surface soil sample locations for both the off-site and on-site release areas were chosen based on areas of known impact, visual indications of impact, and spatial coverage. Six surface soil samples (LL-1 – LL-6) were collected from the surface to 0.5 feet below ground surface within the off-site area (**Figure 4**). Five surface soil samples (UL-1 – UL-5) were collected from the surface to 0.5 feet below ground surface within the on-site area (**Figure 5**). Soil samples were collected with a stainless-steel hand trowel and placed directly into the laboratory provided containers. Organic vapors for each soil sample were measured using a photo-ionization detector and recorded in the field notes (**Appendix C**).

Surface soil samples were collected in laboratory provided containers, labeled with a unique identification and maintained in an insulated cooler with ice. Soil samples were analyzed for chlorides using EPA method 300.0, BTEX using EPA method 8260B, and TPH using methods 8015D and 8015M. Soil samples were maintained with chain-of-custody documentation and shipped to Pace Analytical in Mount Juliet, Tennessee for laboratory analysis.

Ovation Pad – O – Release Response Action Completion & Closure Report
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4.2 Analytical Results Discussion

Analytical data results for the off-site property showed minor impacts to soil from chlorides and TPH. Chlorides were detected in soil sample LL-5 (0-0.5') at a concentration of 4,340 mg/kg. Chloride concentrations in all other surface soil samples were significantly below 600 mg/kg. BTEX concentrations were either not detected above the sample detection limit; or if detected, were below applicable standards. TPH was detected in each soil sample, predominately in the C10-C28 and C28-C35 ranges. TPH concentrations exceeded the Closure Criteria for Soils in surface soil samples LL-2 (0-0.5') and LL-6 (0-0.5'), just above 100 mg/kg (**Table 1**). Analytical data results confirmed that the release of drilling fluid that breached the on-site berm wall resulted in shallow impacts to surface soils on the off-site property consisting mainly of chlorides and TPH.

Analytical data results for the on-site property showed significant impacts to the caliche pad area from chlorides and TPH. Chloride concentrations were detected above 600 mg/kg in each surface soil sample except UL-3 (0-0.5'). BTEX concentrations were either not detected above the sample detection limit; or if detected, were below applicable standards. TPH was detected in each soil sample and present in each of the hydrocarbon fraction ranges. TPH concentrations exceeded the Closure Criteria for Soils in surface soil samples UL-2 (0-0.5') through UL-5 (0-0.5') (**Table 1**). Analytical data results confirmed that the release of drilling fluid from the on-site flare stack resulted in impacts to the on-site Ovation Pad-O area as shown on **Figures 3 and 5**. Constituent impacts to soil consisted mainly of chlorides and TPH.

5.0 REMEDIATION

Based on the volume of the release (minor – estimated 15-barrels), Novo determined the best course of action was to move directly to remediation of the off-site (private property) and on-site (Ovation Pad-O) properties. Affected soil remediation was conducted on the off-site property during February 27 through March 5, 2022. Affected soil remediation was conducted on the on-site property between March 27 through March 31, 2022. For both areas, affected soil was excavated and loaded into trucks for transport and disposal at the R360 Halfway Facility (NM1-006) located at 6601 Hobbs Highway US 62/180 mile marker 66. Confirmation soil sampling was conducted to determine the effectiveness of soil remediation efforts. Details regarding the affected soil remediation and post excavation confirmation soil sampling are provided below.

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5.1 Confirmation Soil Sampling and Analysis Plan

Confirmation soil samples collected post excavation were analyzed by Cardinal Laboratories in Hobbs, New Mexico, accredited by the National Environmental Laboratory Accreditation Program (NELAP) for environmental sample analysis requirements. The sampling program and laboratory methods used for the analysis for the project are listed in the following table. Altamira utilized the Oil Conservation Commission guidance and regulations under Title 19, Chapter 15, Part 29 to address the release and constituents of concern. The drilling fluid utilized for this project was provided by AES Drilling Fluids. According to a company representative, the Enerlite drilling fluid system is a direct emulsion fluid consisting primarily of saturated sodium chloride brine and diesel. The emulsifier NORMUL makes up approximately 1% of the total drilling fluid makeup. The NORMUL emulsifier consists of a proprietary makeup, which AES Drilling Fluids was not willing to disclose. The representative of AES Drilling Fluids recommended the laboratory analysis of TPH and Volatile Organic Compounds (VOCs). Based on this recommendation, VOCs were analyzed and the data was compared to soil screening levels (SSLs) provided by the NMED (Table A-1). The executed chain-of-custody documents and laboratory reports are provided in **Appendix E**.

Sample Type	Analysis	Laboratory Method
Soil	Total Petroleum Hydrocarbons (TPH)	8015B
Soil	Volatile Organic Compounds (VOCs)	8260B
Soil	Chlorides	4500-CI-B

5.2 Soil Remediation Activities – Off-Site Property Area

Altamira and Novo provided notification to the OCD via email (**Appendix A**) on February 21, 2022 regarding the intent to conduct soil remediation and confirmation soil sampling at the off-site property located southwest of the Novo Ovation Pad-O release area.

During February 27 through March 5, 2022, Novo conducted affected soil remediation activities on the off-site property located immediately southwest of the Ovation Pad-O. Prior to excavation, the approximate extent of the known affected soil area was marked. A grid system was established to identify the excavation areas and 200-square foot confirmation sample grid areas. The 14-foot by 14-foot grids were measured and marked with wooden stakes and flagging. The initial grids were numbered G-1 through G-20. Subsequent step-out grids were created for lateral delineation near the south corner of the remediation area (**Figure 4**). The overall dimensions of the gridded and remediated area were approximately 140 feet by 28 feet. The off-site area native soils consists of silty-sandy soil, fine to very fine grained and dry. There is very sparse vegetation growing at the Site and surrounding property (mainly small scrub brush with very little grasses).

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BDS Oilfield Services was contracted to conduct the soil excavation, loading, and hauling. Affected soil excavation began on March 1, 2022 and continued through March 5, 2022. Excavated soil was either stockpiled on plastic sheeting or direct loaded to trucks. Identified grids (all grids except G-2 and G-8) containing affected soil were initially excavated to one foot below ground surface and tapered at all ends (no sidewall). Following excavation at each grid, confirmation soil samples were collected and submitted to Cardinal Laboratories for analysis.

Confirmation soil samples were collected within each 200 square foot grid (14' x 14') and consisted of a 5-point composite sample (generally one from the center and one outward near each corner area). Confirmation soil samples were initially analyzed for chlorides, TPH, and VOCs as described in section 5.1. Analytical results for each confirmation grid sample were evaluated to the most stringent criteria per *Table I – Closure Criteria for Soils Impacted by a Release* and *Table A-1 the NMED Soil Screening Levels*. Analytical data results are presented on **Table 2**. If analytical data results showed a chemical constituent exceeded the Closure Criteria Level or SSL, soil in that particular grid area was further excavated downward another foot and resampled. Laboratory analysis for soil samples for grids that were further excavated were only analyzed for those chemical constituents that previously exceeded the Closure Criteria Level or SSL in the previous depth interval. This process continued until the concentration of all targeted chemical constituents was below the respective Closure Criteria Level or SSL.

As depicted on **Figure 4**, grids G-6, G-11, G-13 and G-15 were further excavated to two feet below ground surface. Analytical data results for confirmation soil samples collected within those grids demonstrated completion of the remediation effort for each deeper grid and all other shallower excavated areas. Analytical results for grids G-1, G-4 and G-6 showed concentrations of chlorides and or TPH that exceeded the Closure Criteria Levels or SSLs. As a result, additional soil was excavated outward from these particular grids (G-1, G-4, and G-6) down to one foot below ground surface. Five-point composite soil samples were collected from each of the sub-grids and submitted for laboratory analysis of only those chemical constituents that previously exceeded the Closure Criteria Level or SSL.

During and following affected soil excavation activities, BDS Oilfield Services used end dump and belly dump trucks to load affected soil and transport to the R360 Halfway Facility (NM1-006) located at 6601 Hobbs Highway US 62/180 mile marker 66 under New Mexico Non-Hazardous Oilfield Waste Manifest.

5.3 Soil Remediation Activities – On-Site Pad Area

Altamira and Novo provided notification to the OCD via email (**Appendix A**) on March 21, 2022 regarding the intent to conduct soil remediation and confirmation soil sampling on the Novo Ovation Pad-O release area.

During March 27 through March 31, 2022, Novo conducted affected soil remediation activities on the on-site property Ovation Pad-O. Prior to excavation, the approximately extent of the known affected soil area was marked. A grid system was established to identify the excavation areas and 200-square foot confirmation soil sample grid areas. The 14-foot by 14-foot grids were measured and marked with wooden stakes and flagging. The initial grids were numbered P-1 through P-18 (**Figure 5**). The overall dimensions of the gridded and remediated area were approximately 125 feet by 27 feet. The on-site active pad area consists of limestone-caliche base material used to create the active pad area. The caliche material is hard and dry. There is no vegetation growing on the Ovation Pad-O area.

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BDS Oilfield Services was contracted to conduct the soil excavation, loading, and hauling. Affected soil excavation began on March 28, 2022 and continued through March 30, 2022. Excavated soil was either stockpiled on plastic sheeting or direct loaded to trucks. Soil within each grid was initially excavated to one foot below ground surface and tapered at all ends (no sidewall). Following excavation at each grid, confirmation soil samples were collected and submitted to Cardinal Laboratories for analysis.

Confirmation soil samples were collected within each 200 square foot grid (14' x 14') and consisted of a 5-point composite sample (generally one from the center and one outward near each corner area). Confirmation soil samples were initially analyzed for chlorides, TPH, and VOCs as described in section 5.1. Analytical results for each confirmation grid sample were evaluated to the most stringent criteria per *Table I – Closure Criteria for Soils Impacted by a Release* and *Table A-1 the NMED Soil Screening Levels*. Analytical data results are presented on **Table 3**. If analytical data results showed a chemical constituent exceeded the Closure Criteria Level or SSL, soil in that particular grid area was further excavated downward another foot and resampled. Laboratory analysis for soil samples for grids that were further excavated were only analyzed for those chemical constituents that previously exceeded the Closure Criteria Level or SSL in the previous depth interval. This process continued until the concentration of all targeted chemical constituents was below the respective Closure Criteria Level or SSL.

As depicted on **Figure 5**, grids P-1, P-2 and P-4 were further excavated to two feet below ground surface either based on organic vapor measurements or analytical data. Analytical data results for confirmation soil samples collected within those deeper grids and all other shallower grids demonstrated completion of the remediation effort for each grid.

During and following affected soil excavation activities, BDS Oilfield Services used end dump and belly dump trucks to load affected soil and transport to the R360 Halfway Facility (NM1-006) located at 6601 Hobbs Highway US 62/180 mile marker 66 under New Mexico Non-Hazardous Oilfield Waste Manifest.

5.4 Waste Management

As described above, affected soil for both the off-site and on-site property areas was transported to the R360 Halfway Facility (NM1-006) located at 6601 Hobbs Highway US 62/180 mile marker 66. A New Mexico Non-Hazardous Oilfield Waste Manifest was prepared for each truck load of soil material. Manifests are provided in **Appendix D**. A total of 19 truckloads of soil (approximately 367 cubic yards) were transported and disposed for the off-site property remediation effort. A total of 14 truckloads of soil (approximately 280 cubic yards) were transported and disposed of for the on-site property remediation effort.

6.0 DATA RESULTS & EVALUATION

Altamira utilized guidance from 19.15.29 NMAC, specifically *Table I - Closure Criteria for Soils Impacted by a Release*, and *NMED Table A-1 Soil Screening Levels* to assess soil sample analytical data collected at the Site. Depth to groundwater at the site was not investigated, but assumed to be less than 50 feet below ground surface based on the proximity of the Site to the Pecos River. As results, it is assumed that groundwater is present less than 50 feet below ground surface. The most stringent closure criteria action levels were utilized to evaluate analytical

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results for remediation and site closure. Analytical results are provided in **Tables 2 – 3** and Laboratory Analytical Data Report are provided in **Appendix E**.

As previously described, work and confirmation soil sample grids were measured and marked on 14 foot by 14 foot grid areas (less than 200 square feet). The overall grid area was setup in a conservative manner so that grids included known and suspected affected soil areas, but also overlapped into known unaffected soil areas.

6.1 Off-Site Confirmation Soil Sampling Results

Following establishment of the sample grids within the approximate release area, initial soil samples were collected from 0-0.5 feet below ground surface in grids G-1 through G-8 to better define the affected soil areas for remediation. Based on analytical results for the 0-0.5 foot samples, grids were identified for affected soil excavation. Note that soil in all grids except G-2, and G-8 were excavated to one foot below ground surface. Grids G-11, G-13, and G-15 were initially excavated to two feet below ground surface prior to confirmation soil sampling. Following excavation, each working grid was resampled to determine the effectiveness of the remediation effort (**Figure 4**).

6.1.1 Chlorides

Analytical results for chlorides within the known release area from the surface to 0.5 feet below ground surface (prior to soil excavation) ranged from 32 mg/kg to 1,780 mg/kg. Analytical data results showed elevated chlorides in soil samples G-4 (0-0.5'), G-6 (0-0.5'), and G-6 (1-1.5'). Soil within these grids and immediately adjacent to each grid were further excavated and sampled for chlorides. Analytical results showed chloride concentrations less than 600 mg/kg. Following the prescribed soil excavation plan provided above, chloride concentrations in all other grids was less than 600 mg/kg. **Remediation of chlorides in off-site soil has been completed.**

6.2.2 TPH

TPH was analyzed on all initial confirmation soil samples. TPH (C6-C-36) was detected above 100 mg/kg in surface soil samples G-1 (0-0.5'), G-3 (0-0.5'), G-6 (0-0.5'), and G-7 (0-0.5'). Following excavation of soil in these areas, additional confirmation soil samples were collected and analyzed. Analytical results showed TPH concentrations were either not detected above the laboratory reporting limit or were below 100 mg/kg.

Analytical results for all other post excavation confirmation soil samples show low level TPH concentrations were detected below 100 mg/kg, or concentrations not detected above the laboratory reporting limit. **Remediation of TPH in off-site soil has been completed.**

6.2.3 VOCs

VOCs were analyzed for each initial confirmation soil sample. For the purpose of assessment and in accordance with regulatory guidance, benzene and total BTEX concentrations were compared to an assessment level of 10 mg/kg and 50 mg/kg, respectively. VOC concentrations were compared to the Risk-based SSLs for a dilution attenuation factor (DAF) of 20. BTEX concentrations were only detected in soil sample G-7 (0-0.5'); however, detected concentrations

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were below the applicable assessment level of 50 mg/kg and benzene was not detected. Total BTEX was not detected in any of the other soil samples submitted for laboratory analysis.

Several VOCs were detected in soil samples G-1 (0-0.5'), G-6 (0-0.5'), G-7 (0-0.5') and G-8 (0-0.5'). Naphthalene was the only volatile analyte that exceeded the SSL of 0.0713 mg/kg in soil samples G-1 (0-0.5'), G-6 (0-0.5'), and G-7 (0-0.5'). Each of these grid areas was further excavated and confirmation soil samples were collected for analysis at the post excavation interval. Analytical results showed naphthalene concentrations were not detected above the laboratory reporting limit following further excavation and confirmation soil sampling.

Analytical results for all other grid confirmation soil samples show no detectable VOCs above the laboratory reporting limit. **Remediation of VOCs in off-site soil has been completed.**

6.2 On-Site Confirmation Soil Sampling Results

Following establishment of the sample grids within the approximate on-site release area, all grids were excavated to one foot below ground surface prior to any confirmation soil sampling. Grids P-1 and P-2 were initially excavated to two feet below ground surface as a results of organic vapor measurements and know proximity to the release point. Following excavation, each working grid was resampled to determine the effectiveness of the remediation effort (**Figure 5**).

6.2.1 Chlorides

Analytical data results for confirmation soil samples collected following the initial excavation showed elevated chlorides in soil sample P-4 (1-1.5') of 2,520 mg/kg. Soil within grid P-4 was further excavated to two feet below ground surface and sampled for chlorides. Analytical results showed chloride concentrations less than 600 mg/kg. Following the prescribed soil excavation plan provided above, chloride concentrations in all other grids was less than 600 mg/kg. **Remediation of chlorides in on-site soil has been completed.**

6.2.2 TPH

TPH was analyzed on all initial confirmation soil samples. Analytical results showed TPH concentrations were only detected in confirmation soil sample P-4 (1-1.5') in the C10-C28 range (49.4 mg/kg). TPH was not detected above the laboratory reporting limit in any of the other confirmation soil samples submitted for laboratory analysis. **Remediation of TPH in on-site soil has been completed.**

6.2.3 VOCs

VOCs were analyzed for each initial confirmation soil sample. For the purpose of assessment and in accordance with regulatory guidance, benzene and total BTEX concentrations were compared to an assessment level of 10 mg/kg and 50 mg/kg, respectively. VOC concentrations were compared to the Risk-based SSLs for a dilution attenuation factor (DAF) of 20.

Benzene and total BTEX was not detected above the laboratory reporting limit in any of the confirmation soil samples submitted for laboratory analysis. VOCs were not detected above the laboratory reporting limit in any of the confirmation soil samples submitted for laboratory analysis. **Remediation of VOCs in on-site soil has been completed.**

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6.3 Final Data Evaluation

As described above, the known and probable affected soil areas were marked within 200 square foot grids for excavation and confirmation soil sampling. Following excavation activities to remove affected soil, confirmation soil samples were collected per the NMAC guidelines. Analytical data for both the off-site and on-site areas demonstrate remediation efforts (soil removal) were successful. Concentrations of chlorides, TPH, and VOCs (including BTEX) were either not detected above the laboratory reporting limit (non-detect) or if detected were below all applicable closure criteria. As a result, no further response or remediation action is necessary.

7.0 RESTORATION, RECLAMATION & RE-VEGETATION

7.1 Restoration and Reclamation Activities

Following excavation activities on the off-site property, the excavated area (ranging from the natural ground surface to approximately two feet below ground surface) was restored to its natural condition. The excavated area was backfilled using native topsoil (similar to existing silty-sandy very fine-grained soil) from the landowner's property near the remediated site area. Following placement and compaction of the new native topsoil material, the area was graded and contoured to match the original topography of the site area. Upon inspection of the area approximately 45 days following restoration and reclamation, there were no visual indications of erosion. The area surrounding the off-site remediation area consists of sparse small to medium scrub brush with little to no native grasses. This is likely due to the silty-sand nature of the native soil matrix and lack of precipitation for the area. The area will be monitored for growth of native brush and grasses over the following months. It is unlikely there will be significant vegetation growth throughout the summer season.

Following excavation activities on the on-site property, the excavated area (ranging from the natural ground surface to approximately one to two feet below ground surface) was restored as an operational pad area (Ovation Pad-O). The excavated area was backfill using limestone-caliche based material to reconstruct the original pad surface. The caliche base material was compacted, graded, and contoured to match the current operational pad area. Routine inspection of the Ovation Pad-O area and remediation area has not revealed any erosion of the restored pad area or berm wall. Since this is an active operational pad area, vegetation of this remediated area will not be conducted at this time.

8.0 CONCLUSIONS

On December 18, 2021, during drilling of the Ovation 212H well using a brine-diesel emulsion drilling fluid (EnerLite drilling fluid – 35% diesel and 65% brine water), the flow line packed off with drill cuttings and mud which caused the gas separator to fill. Drilling fluid flowed out to the flare line and up and out the flare stack. Approximately 15 barrels of drilling fluid spilled from the flare stack onto the adjacent pad area. The release was centralized to the northwest corner of the earthen bermed pad. The berm near the flare stack had been inadvertently knocked down, resulting in approximately 3.5 barrels of drilling fluid that impacted privately owned property.

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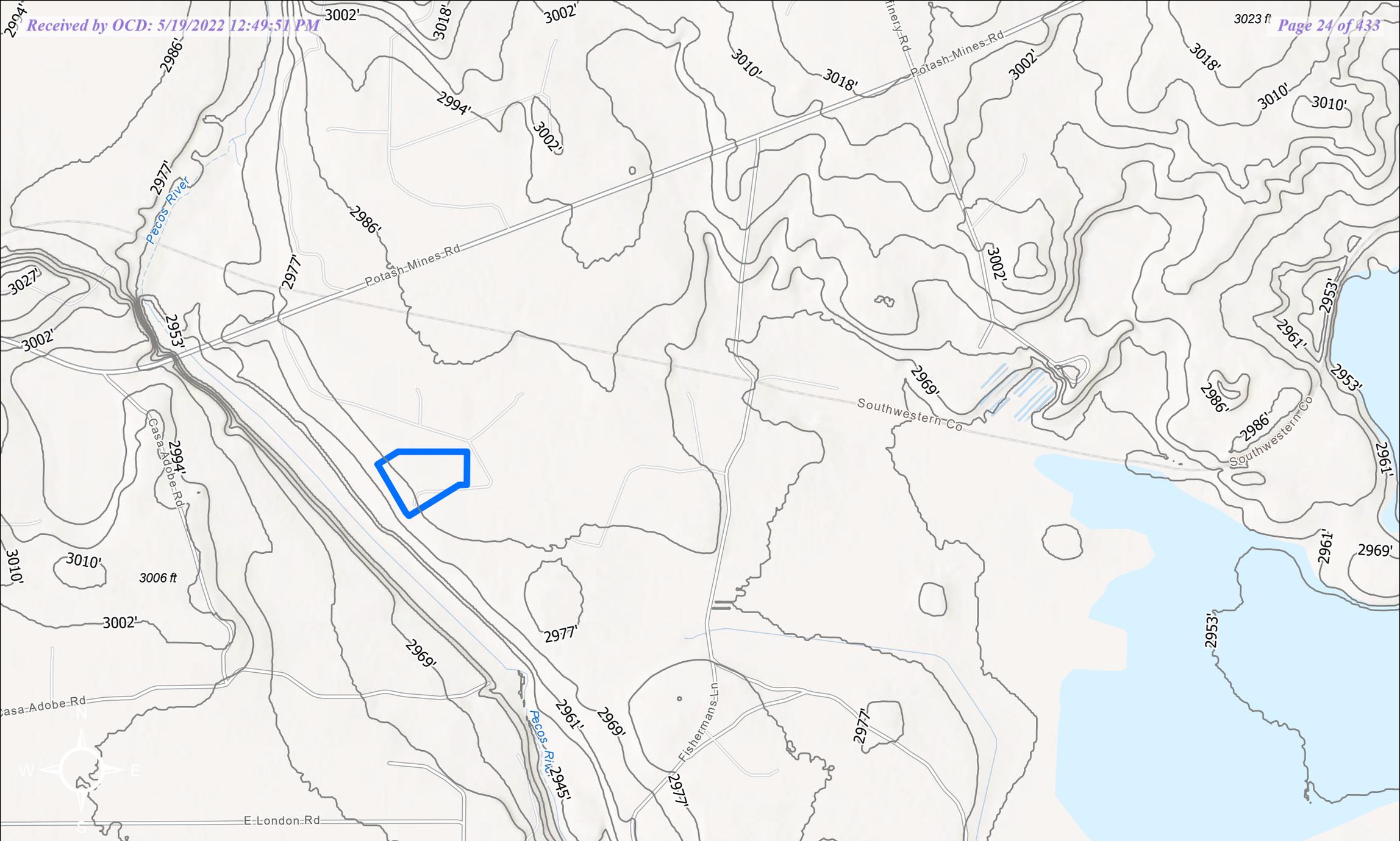
Following the release and initial cleanup efforts, surface soil samples were collected within the release areas both on-site and off-site to determine the general extent of impact to soil. During April and March of 2022 Novo conducted remediation efforts to remove affected soil both on-site and off-site and restore each area to general native conditions.

Analytical data results for post excavation confirmation soil samples for the on-site and off-site areas validate the completion of affected soil removal from the release areas.

- Soil on-site and off-site have been remediated to chloride levels less than 600 mg/kg, TPH less than 100 mg/kg, and VOCs to below applicable SSLs.
- Reclamation and restoration efforts have been completed.
- No further response action/remediation is necessary for this release Site.
- Novo would respectfully like to request regulatory closure for Incident ID: nAPP2136132623.



FIGURES



Topographic Map
 Ovation Well Pad O – Flare Release
 nAPP2136132623
 Eddy County, New Mexico
 Novo Oil and Gas

Figure
1



Site Location Map
Ovation Well Pad O – Flare Release
nAPP2136132623
Eddy County, New Mexico
Novo Oil and Gas

Figure
2



Legend

- Ovation Pad-O Boundary
- Offsite (Private Property) Response Action Area
- Onsite (Pad) Response Action Area

Notes:

Refer to Figures 4 & 5 For Response Action Area Detail

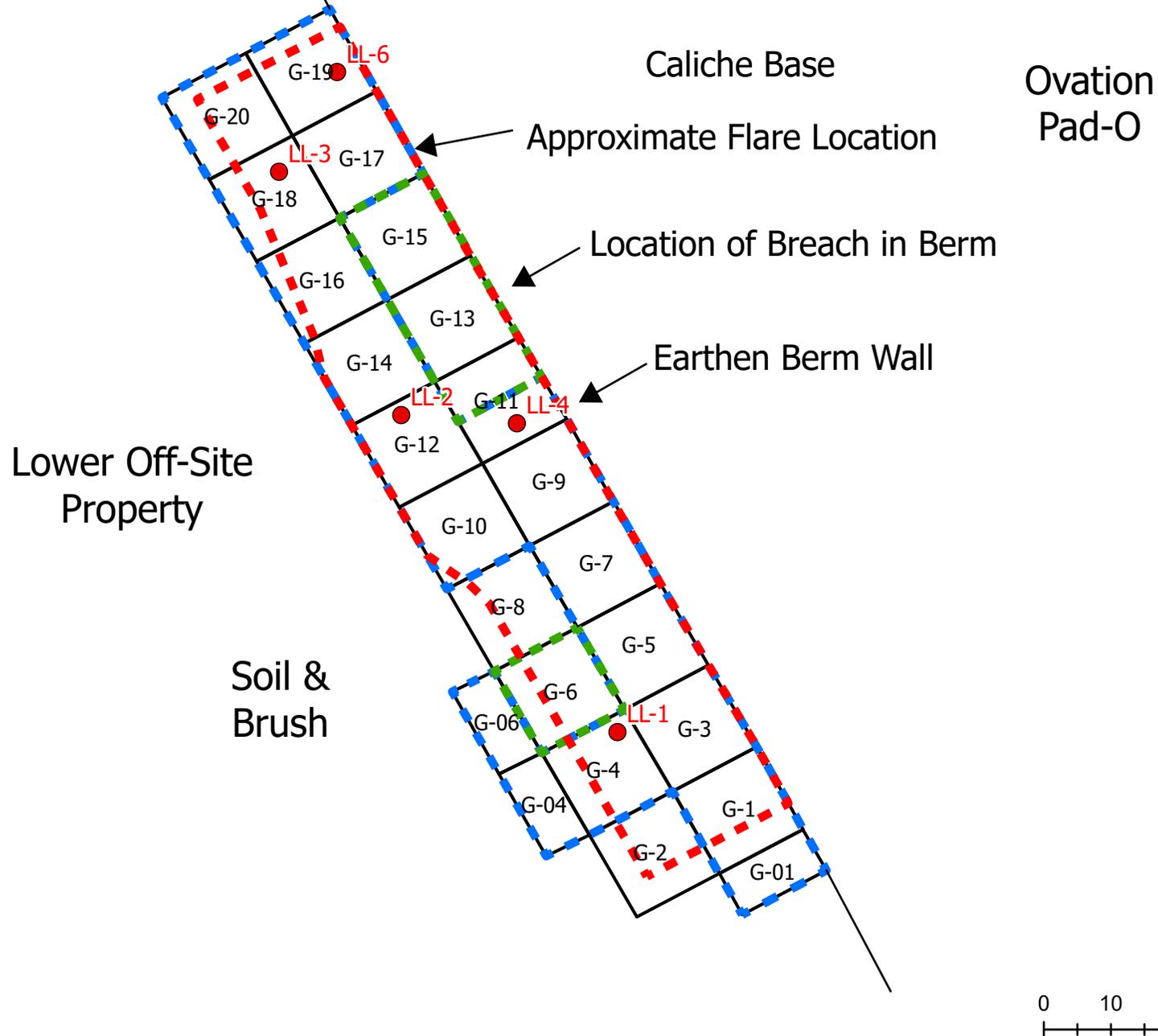
Site Plan

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 5/10/2022

Figure 3





Legend

- Grid & Sample ID
- 1' Excavation Area
- 2' Excavation Area
- Estimated Overall Affected Area

LL-1 - Initial Surface Soil Sample Location (1/12/222) Prior to Remediation

Notes:

- 5-Point Composite Soil Sample In Each Grid
- Sample Grids - less than 200 ft²

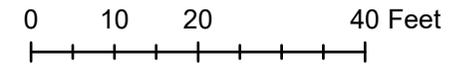
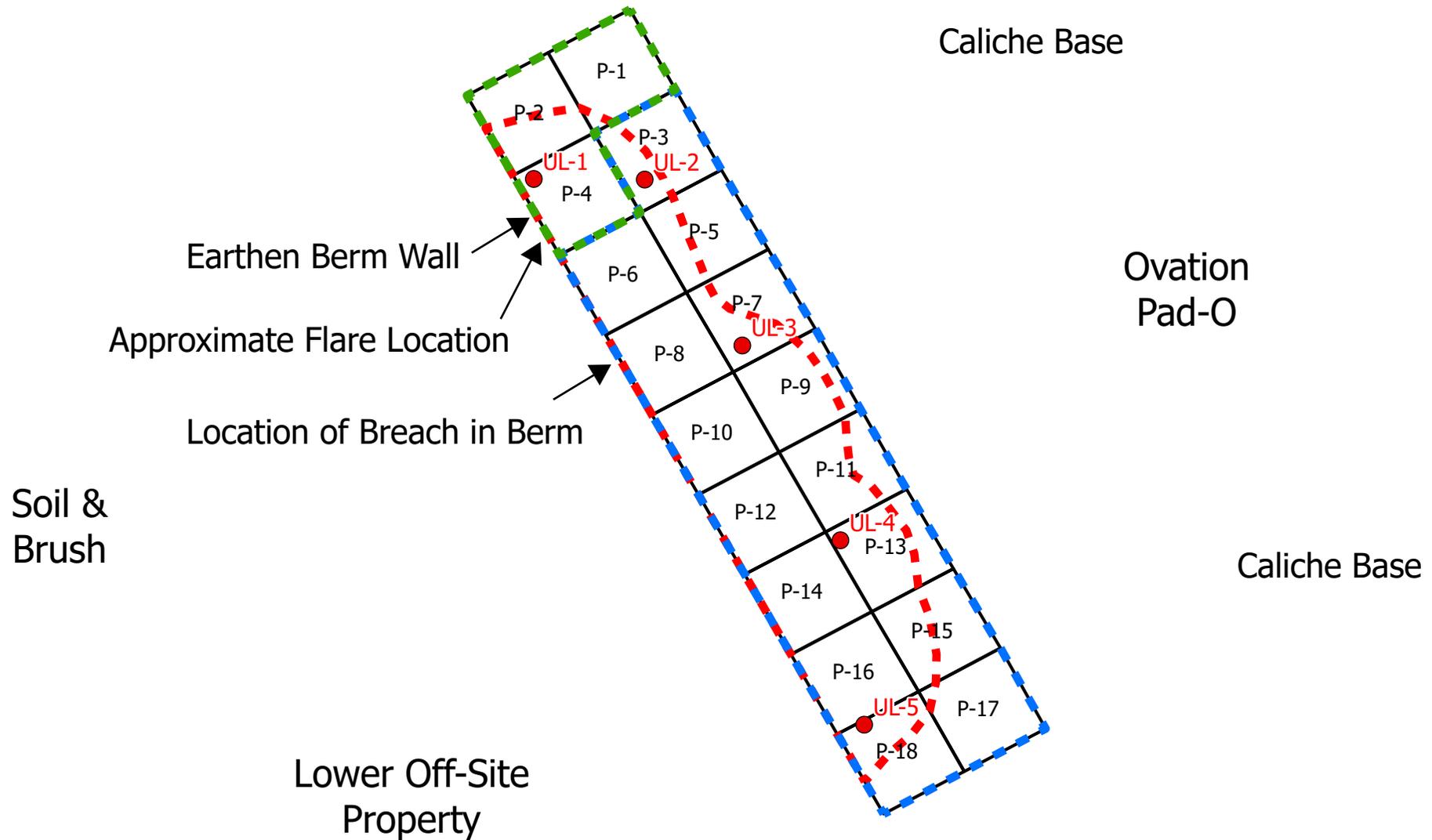
Off-Site Response Action Map

Ovation Well Pad O – Flare Release
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 Novo Oil and Gas

Date:
5/10/2022

Figure 4





Legend

- Grid & Sample ID
- 1' Excavation Area
- 2' Excavation Area
- Estimated Overall Affected Area

UL-1 - Initial Surface Soil Sample Location (1/12/222) Prior to Remediation

Notes:

- 5-Point Composite Soil Sample In Each Grid
- Sample Grids - less than 200 ft²

On-Site Response Action Map

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5/10/2022

Figure 5





TABLE 1
Analytical Data Results Summary – Initial Source Soil Sample Results (mg/kg)
– Off-Site and On-Site

**Analytical Data Results Summary - Initial Source Soil Sample Results (mg/kg) - Off-Site and On-Site
Novo Oil Gas - Ovation O Pad Drilling Fluid Release (Discovery December 18, 2021)
Near Loving, New Mexico**

Analyte Method	Chloride	BTEX	Benzene	TPH (low)	TPH (C10-28)	TPH (C28-36)	TPH	
	300.0	8260B	8260B	8015D	8015M	8015M	8015M	
Table I - Closure Criteria (0-4')	600	50	10	-	-	-	100	
Sample ID	Sample Date							
Initial Soil Samples On-Site Pad Area of Release								
UL-1 (0-0.5')	1/12/2022	4,680	<0.00198	<0.000711	4.08	70.2	1.02 (J)	75.3
UL-2 (0-0.5')	1/12/2022	11,400	0.01206	<0.00057	96.8	3,890	42.6	4,029.4
UL-3 (0-0.5')	1/12/2022	514	0.0536 (J)	<0.00563	10.9	250	2.75 (J)	263.65
UL-4 (0-0.5')	1/12/2022	4,820	0.901225	0.000775 (J)	5.29	3,700	35.9	3,741.19
UL-5 (0-0.5')	1/12/2022	6,330	14.907	<0.0122	664	6,980	94.8	7,738.80
Initial Soil Samples Off-Site of Pad Area of Release								
LL-1 (0-0.5')	1/12/2022	<11.3	<0.0028	<0.00101	<1.17	2.19 (J)	1.71 (J)	3.9
LL-2 (0-0.5')	1/12/2022	176	0.00223 (J)	<0.000532	1.32 (J)	120	15.4	136.72
LL-3 (0-0.5')	1/12/2022	24.8	0.00156 (J)	<0.000729	<0.847	36.3	3.23 (J)	39.53
LL-4 (0-0.5')	1/12/2022	129	0.12324	<0.000644	34.1	44.3	14.7	93.1
LL-5 (0-0.5')	1/12/2022	4,340	<0.00161	<0.000579	<0.674	7.99	14.5	22.49
LL-6 (0-0.5')	1/12/2022	71.2	<0.00191	<0.000686	<0.797	121	17.3	138.3

Notes:

All results are in mg/kg

Closure Criteria Soils - Table I of 19.15.29.12 NMAC

TPH - Total Petroleum Hydrocarbons - includes GRO, DRO, MRO

BTEX - Benzene, Toluene, Ethylbenzene, Xylenes

< number is the SDL (not detected above the sample detection limit)

J - result is less than the MQL but greater than or equal to the SDL and the concentration is an estimated value

Bold indicates that a COC was detected

Shading indicates that a detected result exceeded the NMOCD Table 1 Closure Criteria Levels



TABLE 2
Analytical Data Results Summary – Off-Site Post Excavation Soil Samples (mg/kg)

**Analytical Data Results Summary - Off-Site Post Excavation Soil Samples (mg/kg)
Novo Oil Gas - Ovation O Pad Drilling Fluid Release (Discovery December 18, 2021)
Near Loving, New Mexico**

Analyte Method	Chloride 4500-Cl-B	BTEX 8260B	Benzene 8260B	TPH (low) 8015B	TPH (C10-28) 8015B	TPH (C28-36) 8015B	TPH 8015B	
Table I - Closure Criteria (0-4')	600	50	10	-	-	-	100	
Sample ID	Sample Date							
Remediation Confirmation Soil Samples - Offsite Property								
G-1 (0-0.5')	2/27/2022	224	<0.05	<0.025	<10.0	1,080	17.4	1,097.1
G-1 (1-1.5')	3/2/2022	-	<0.05	<0.025	<10.0	<10.0	<10.0	<10.0
G-01 (1-1.5')	3/2/2022	-	<0.05	<0.025	<10.0	<10.0	<10.0	<10.0
G-2 (0-0.5')	2/27/2022	112	<0.05	<0.025	<10.0	<10.0	<10.0	<10.0
G-3 (0-0.5')	2/27/2022	224	<0.05	<0.025	<10.0	405	<10.0	405
G-3 (1-1.5')	3/2/2022	-	-	-	<10.0	<10.0	<10.0	<10.0
G-4 (0-0.5')	2/27/2022	832	<0.05	<0.025	<10.0	55.7	<10.0	55.7
G-4 (1-1.5')	3/3/2022	48	-	-	-	-	-	-
G-04 (1-1.5')	3/3/2022	32	-	-	-	-	-	-
G-5 (0-0.5')	2/27/2022	144	<0.05	<0.025	<10.0	<10.0	<10.0	<10.0
G-6 (0-0.5')	2/27/2022	1,780	<0.05	<0.025	<10.0	740	<10.0	740
G-6 (1-1.5')	3/3/2022	832	<0.05	<0.025	<10.0	42.1	<10.0	42.1
G-6 (2-2.5')	3/5/2022	86.6	-	-	-	-	-	-
G-6 (2.5-3')	3/5/2022	34.3	-	-	-	-	-	-
G-06 (1-1.5')	3/3/2022	32	<0.05	<0.025	<10.0	<10.0	<10.0	<10.0
G-7 (0-0.5')	2/27/2022	240	0.784	<0.025	403	1,370	<10.0	1,473
G-7 (1-1.5')	3/3/2022	-	<0.05	<0.025	<10.0	<10.0	<10.0	<10.0
G-8 (0-0.5')	2/27/2022	48	<0.05	<0.025	<10.0	80.7	<10.0	80.7
G-9 (1-1.5')	3/1/2022	128	<0.05	<0.025	<10.0	19	<10.0	19
G-10 (1-1.5')	3/1/2022	96	<0.05	<0.025	<10.0	18.7	<10.0	18.7

Table 2
Analytical Data Results Summary - Off-Site Post Excavation Soil Samples (mg/kg)
Novo Oil Gas - Ovation O Pad Drilling Fluid Release (Discovery December 18, 2021)
Near Loving, New Mexico

Analyte	Chloride	BTEX	Benzene	TPH (low)	TPH (C10-28)	TPH (C28-36)	TPH	
Method	4500-Cl-B	8260B	8260B	8015B	8015B	8015B	8015B	
Table I - Closure Criteria (0-4')	600	50	10	-	-	-	100	
Sample ID	Sample Date							
Remediation Confirmation Soil Samples - Offsite Property								
G-11 (2-2.5')	3/1/2022	304	<0.05	<0.025	<10	37.3	<10	37.3
G-12 (1-1.5')	3/1/2022	32	<0.05	<0.025	<10.0	<10.0	<10.0	<10.0
G-13 (2-2.5')	3/1/2022	48	<0.05	<0.025	<10.0	<10.0	<10.0	<10.0
G-14 (1-1.5')	3/1/2022	80	<0.05	<0.025	<10	12.2	<10	12.2
G-15 (2-2.5')	3/2/2022	32	<0.05	<0.025	<10.0	<10.0	<10.0	<10.0
G-16 (1-1.5')	3/2/2022	32	<0.05	<0.025	<10.0	<10.0	<10.0	<10.0
G-17 (1-1.5')	3/2/2022	48	<0.05	<0.025	<10.0	<10.0	<10.0	<10.0
G-18 (1-1.5')	3/2/2022	80	<0.05	<0.025	<10.0	<10.0	<10.0	<10.0
G-19 (1-1.5')	3/2/2022	64	<0.05	<0.025	<10.0	<10.0	<10.0	<10.0
G-20 (1-1.5')	3/2/2022	32	<0.05	<0.025	<10.0	<10.0	<10.0	<10.0

Notes:

All results are in mg/kg

Closure Criteria Soils - Table I of 19.15.29.12 NMAC

TPH - Total Petroleum Hydrocarbons - includes GRO, DRO, MRO

BTEX - Benzene, Toluene, Ethylbenzene, Xylenes

- Not analyzed

Bold indicates a detection above the Laboratory Sample Reporting Limit

Shading indicates that a detected result exceeded the NMOCD Table 1 Closure Criteria Levels

~~Strike through~~ - Indicates the soil was over-excavated and removed from the site - sample results no longer relevant

Table 2
 Analytical Data Results Summary Detected VOCs - Post Excavation Confirmation Soil Samples (mg/kg)
 Novo Oil Gas - Ovation O Pad Drilling Fluid Release (Discovery December 18, 2021)
 Near Loving, New Mexico

Chemical of Concern	CAS#	NMED Soil Risk-Based SSL (DAF of 20)	Sample ID: Sample Date: Sample Depth: Units	Off-Site Post Excavation Confirmation Soil Samples														
				G-1 (0-0.5')	G-1 (1-1.5')	G-01 (1-1.5')	G-2 (0-0.5)	G-3 (0-0.5)	G-4 (0-0.5)	G-5 (0-0.5)	G-6 (0-0.5)	G-6 (1-1.5')	G-06 (1-1.5')	G-7 (0-0.5')	G-7 (1-1.5')	G-8 (0-0.5')	G-9 (1-1.5')	G-10 (1-1.5')
				2/27/2022 0-0.5'	3/2/2021 0.5-1'	3/2/2022 0.5-1'	2/27/2022 0-0.5'	2/27/2022 0-0.5'	2/27/2022 0-0.5'	2/27/2022 0-0.5'	2/27/2022 0-0.5'	2/27/2022 0-0.5'	3/3/2022 0.5-1'	3/3/2022 0.5-1'	2/27/2022 0-0.5'	3/3/2022 0.5-1'	2/27/2022 0-0.5'	3/1/2022 0.5-1'
Detected VOCs																		
VOCs (8260B)																		
Ethylbenzene	100-41-4	0.26	mg/kg	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	0.098	<0.025	<0.025	<0.025	<0.025
m+p - Xylene	100-01-6	3.12	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.4	<0.05	<0.05	<0.05	<0.05
o-Xylene	95-47-6	3.13	mg/kg	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	0.286	<0.025	<0.025	<0.025	<0.025
Total Xylenes	1330-20-7	3.13	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.686	<0.05	<0.05	<0.05	<0.05
Isopropylbenzene	98-82-8	17.3	mg/kg	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	0.096	<0.025	<0.025	<0.025	<0.025
n-Propylbenzene	103-65-1	-	mg/kg	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	0.298	<0.025	<0.025	<0.025	<0.025
1,3,5-Trimethylbenzene	108-67-8	-	mg/kg	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	0.673	<0.025	<0.025	<0.025	<0.025
1,2,4-Trimethylbenzene	95-63-6	-	mg/kg	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	0.029	<0.025	<0.025	2.59	<0.025	0.087	<0.025	<0.025
sec-Butylbenzene	135-98-8	-	mg/kg	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	0.34	<0.025	<0.025	<0.025	<0.025
p-Isopropyltoluene	99-87-6	-	mg/kg	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	0.757	<0.025	0.037	<0.025	<0.025
n-Butylbenzene	104-51-8	-	mg/kg	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	0.614	<0.025	0.04	<0.025	<0.025
Naphthalene	91-20-3	0.0713	mg/kg	0.114	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	0.15	<0.025	<0.025	0.53	<0.025	0.045	<0.025	<0.025

Notes:
 All results are in mg/kg
 - indicates NMED Soil Screening Level Not Published for Analyte
 < number is the Sample Reporting Limit (RL) - Not Detected
 Bold indicates that a constituent was detected
 Shading indicates that a detected result exceeds the NMED Soil Screening Level
 Strike through - Indicates the soil was over-excavated and removed from the site - sample results no longer relevant

Table 2
Analytical Data Results Summary Detected VOCs - Post Excavation Confirmation Soil Samples (mg/kg)
Novo Oil Gas - Ovation O Pad Drilling Fluid Release (Discovery December 18, 2021)
Near Loving, New Mexico

Chemical of Concern	CAS#	NMED Soil Risk-Based SSL (DAF of 20)	Sample ID: Sample Date: Sample Depth: Units	G-11 (2-2.5')	G-12 (1-1.5')	G-13 (2-2.5')	G-14 (1-1.5')	G-15 (2-2.5')	G-16 (1-1.5')	G-17 (1-1.5')	G-18 (1-1.5')	G-19 (1-1.5')	G-20 (1-1.5')
				3/1/2022	3/1/2022	3/1/2022	3/1/2022	3/2/2022	3/2/2022	3/2/2022	3/2/2022	3/2/2022	3/2/2022
Detected VOCs													
VOCs (8260B)													
Ethylbenzene	100-41-4	0.26	mg/kg	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
m+p - Xylene	100-01-6	3.12	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
o-Xylene	95-47-6	3.13	mg/kg	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
Total Xylenes	1330-20-7	3.13	mg/kg	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Isopropylbenzene	98-82-8	17.3	mg/kg	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
n-Propylbenzene	103-65-1	-	mg/kg	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
1,3,5-Trimethylbenzene	108-67-8	-	mg/kg	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
1,2,4-Trimethylbenzene	95-63-6	-	mg/kg	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
sec-Butylbenzene	135-98-8	-	mg/kg	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
p-Isopropyltoluene	99-87-6	-	mg/kg	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
n-Butylbenzene	104-51-8	-	mg/kg	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
Naphthalene	91-20-3	0.0713	mg/kg	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025

Notes:
 All results are in mg/kg
 - - indicates NMED Soil Screening Level Not Published for Analyte
 < number is the Sample Reporting Limit (RL) - Not Detected
 Bold indicates that a constituent was detected
 Shading indicates that a detected result exceeds the NMED Soil Screening Le
 Strike-through - Indicates the soil was over-excavated and removed from the :



TABLE 3
Analytical Data Results Summary – On-Site Post Excavation Soil Samples (mg/kg)

**Analytical Data Results Summary - On-Site Post Excavation Soil Samples (mg/kg)
Novo Oil Gas - Ovation O Pad Drilling Fluid Release
Near Loving, New Mexico**

Analyte Method	Chloride 4500-Cl-B	VOCs 8260B	BTEX 8260B	Benzene 8260B	TPH (C6-C10) 8015B	TPH (C10-28) 8015B	TPH (C28-36) 8015B	TPH 8015B	
Table I - Closure Criteria (0-4')	600	-	50	10	-	-	-	100	
Sample ID	Sample Date								
Confirmation Soil Samples - Onsite Property									
P-1 (2-2.5')	3/28/2022	80	<RL	<0.05	<0.025	<10	<10	<10	
P-2 (2-2.5')	3/28/2022	144	<RL	<0.05	<0.025	<10	<10	<10	
P-3 (1-1.5')	3/29/2022	208	<RL	<0.05	<0.025	<10	<10	<10	
P-4 (1-1.5')	3/28/2022	2520	<RL	<0.05	<0.025	<10	49.4	<10	
P-4 (2-2.5')	3/30/2022	16	-	-	-	-	-	-	
P-5 (1-1.5')	3/29/2022	208	<RL	<0.05	<0.025	<10	<10	<10	
P-6 (1-1.5')	3/28/2022	160	<RL	<0.05	<0.025	<10	<10	<10	
P-7 (1-1.5')	3/29/2022	64	<RL	<0.05	<0.025	<10	<10	<10	
P-8 (1-1.5')	3/28/2022	128	<RL	<0.05	<0.025	<10	<10	<10	
P-9 (1-1.5')	3/29/2022	176	<RL	<0.05	<0.025	<10	<10	<10	
P-10 (1-1.5')	3/28/2022	144	<RL	<0.05	<0.025	<10	<10	<10	
P-11 (1-1.5')	3/29/2022	96	<RL	<0.05	<0.025	<10	<10	<10	
P-12 (1-1.5')	3/28/2022	112	<RL	<0.05	<0.025	<10	<10	<10	
P-13 (1-1.5')	3/29/2022	64	<RL	<0.05	<0.025	<10	<10	<10	
P-14 (1-1.5')	3/28/2022	144	<RL	<0.05	<0.025	<10	<10	<10	
P-15 (1-1.5')	3/29/2022	80	<RL	<0.05	<0.025	<10	<10	<10	
P-16 (1-1.5')	3/28/2022	80	<RL	<0.05	<0.025	<10	<10	<10	
P-17 (1-1.5')	3/29/2022	128	<RL	<0.05	<0.025	<10	<10	<10	
P-18 (1-1.5')	3/28/2022	48	<RL	<0.05	<0.025	<10	<10	<10	

Table 3
Analytical Data Results Summary - On-Site Post Excavation Soil Samples (mg/kg)
Novo Oil Gas - Ovation O Pad Drilling Fluid Release
Near Loving, New Mexico

Analyte	Chloride	VOCs	BTEX	Benzene	TPH (C6-C10)	TPH (C10-28)	TPH (C28-36)	TPH
Method	4500-Cl-B	8260B	8260B	8260B	8015B	8015B	8015B	8015B
Table I - Closure Criteria (0-4')	600	-	50	10	-	-	-	100
Sample ID	Sample Date							
Confirmation Soil Samples - Onsite Property								

Notes:

- All results are in mg/kg
- Closure Criteria Soils - Table I of 19.15.29.12 NMAC
- TPH - Total Petroleum Hydrocarbons - includes GRO, DRO, MRO
- BTEX - Benzene, Toluene, Ethylbenzene, Xylenes
- VOCs - Volatile Organic Compounds
- <RL - results were not detected above the Laboratory Reporting Limit
- Not analyzed
- Bold indicates a detection above the Laboratory Sample Reporting Limit
- Shading indicates that a detected result exceeded the NMOCD Table 1 Closure Criteria Levels
- ~~Strike-through~~ - Indicates the soil was over-excavated and removed from the site - sample results no longer relevant
- VOCs were not detected in any of the post excavation soil samples submitted for laboratory analysis



APPENDIX A
Notification and Agency Correspondence

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	nAPP2136132623
District RP	
Facility ID	
Application ID	68785

Release Notification

Responsible Party

Responsible Party: Novo Oil & Gas Northern Delaware, LLC	OGRID: 372920
Contact Name: Kurt A. Shipley	Contact Telephone: 405-286-3916
Contact email: kshipley@novoog.com	Incident # (assigned by OCD): nAPP2136132623
Contact mailing address: 1001 West Wilshire Blvd., Suite 206 Oklahoma City, OK 73116	

Location of Release Source

Latitude 32.308641

Longitude -104.052567
(NAD 83 in decimal degrees to 5 decimal places)

Site Name: Ovation Pad - O	Site Type: Well Pad
Date Release Discovered: 12/18/2021	API# (if applicable)

Unit Letter	Section	Township	Range	County
H	14	T23S	R28E	Eddy

Surface Owner: State Federal Tribal Private (Name: Lionel Onsurez)

Nature and Volume of Release

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

<input type="checkbox"/> Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Produced Water	Volume Released (bbls):	Volume Recovered (bbls):
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
<input checked="" type="checkbox"/> Other (EnerLite – 35% diesel/65% brine)	Volume/Weight Released (provide units) – 15 bbls	Volume/Weight Recovered (provide units) – 15 bbls

Incident ID	nAPP2136132623
District RP	
Facility ID	
Application ID	68785

<p>Cause of Release During drilling the Ovation 212H Well with brine-diesel emulsion drilling fluid (EnerLite drilling fluid – 35% diesel/65% brine water), the flowline packed off with cuttings and mud and filled up the gas separator. Drilling fluid then flowed out to the flare line and up and out the flare stack. Approximately 15 bbls of drilling fluid spilled on the location. The release was centralized to the northwest corner of the earthen bermed pad. The berm near the flare stack had been inadvertently knocked down, resulting in approximately 3.5 bbls of drilling fluid that impacted privately owned property (approximately 3-6 feet wide x 60 feet in length). The affected area on the drilling pad was 20 feet x 40 feet. The landowner was notified on 12/18/2021 and the affected soil was excavated and hauled to Republic Services for disposal.</p> <p>Volume of the release was calculated by the volume in the active steel drilling pits prior to the spill and the volume of the active drilling pits after the spill. The difference was 15 barrels and was confirmed by adding 15 barrels of new drilling fluid into the steel drilling pits to bring back to full status.</p>	
<p>Was this a major release as defined by 19.15.29.7(A) NMAC?</p> <p><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>	<p>If YES, for what reason(s) does the responsible party consider this a major release?</p> <p>NA – Minor Release</p>
<p>If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?</p> <p>NA – Minor Release</p>	

Initial Response

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

<p><input checked="" type="checkbox"/> The source of the release has been stopped.</p> <p><input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment.</p> <p><input checked="" type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.</p> <p><input checked="" type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.</p>
<p>If all the actions described above have <u>not</u> been undertaken, explain why:</p> <p>All initial response actions above have been completed.</p> <p>Remediation efforts (excavated affected soil) will be confirmed with sampling.</p>
<p>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.</p>

State of New Mexico
Oil Conservation Division

Page 3

Incident ID	nAPP2136132623
District RP	
Facility ID	
Application ID	68785

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: Kurt A. Shipley Title: Chief Operating Officer

Signature:  Date: December 27, 2021

email: kshipley@novoog.com Telephone: 405-286-3916

OCD Only

Received by: Ramona Marcus Date: 12/27/2021

From: [Hamlet, Robert, EMNRD](#)
To: [Bryan Haney](#); [Kurt Shipley](#); [jasonwhawley@gmail.com](#)
Cc: [Bratcher, Mike, EMNRD](#); [Nobui, Jennifer, EMNRD](#); [Hensley, Chad, EMNRD](#); [Velez, Nelson, EMNRD](#)
Subject: (Extension Approval) Incident nAPP2136132623 - Novo Oil & Gas Ovation O Pad Release
Date: Friday, March 11, 2022 4:04:21 PM
Attachments: [image003.png](#)

RE: Incident #**NAPP2136132623**

Bryan,

Your request for an extension to **June 18th, 2022** is approved. Please include this e-mail correspondence in the remediation and/or closure report.

Robert Hamlet • Environmental Specialist - Advanced
Environmental Bureau
EMNRD - Oil Conservation Division
811 S. First Street | Artesia, NM 88210
575.909.0302 | robert.hamlet@state.nm.us
<http://www.emnrd.state.nm.us/OCD/>



From: Bryan Haney <Bryan.Haney@Altamira-US.com>
Sent: Friday, March 11, 2022 9:03 AM
To: Hamlet, Robert, EMNRD <Robert.Hamlet@state.nm.us>; Kurt Shipley <kshipley@novoog.com>; jasonwhawley@gmail.com
Cc: Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>; Nobui, Jennifer, EMNRD <Jennifer.Nobui@state.nm.us>; Hensley, Chad, EMNRD <Chad.Hensley@state.nm.us>; Velez, Nelson, EMNRD <Nelson.Velez@state.nm.us>
Subject: [EXTERNAL] Incident nAPP2136132623 - Novo Oil & Gas Ovation O Pad Release - Update and Request for Extension

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

RE: Incident #**NAPP2136132623**

Robert,

On behalf of Novo Oil & Gas, Altamira is providing the NMOCDD an update on remediation activities associated with this release. The release occurred on December 18, 2021. We recently completed remediation efforts on the off-site portion of the release area (private property). We conducted

excavation and removal of the affected soil, followed by post excavation confirmation soil sampling (200 sft grids with 5-point composite) for each grid. Results look good and we will be working with the landowner to backfill and reclaim the area.

Novo has recently completed drilling of a well that was near this portion of the pad and is currently rigging down and moving equipment. Since drilling activity is complete near the onsite release area, Novo plans to conduct remediation activities in the small approximately 180' x 30' area near the last week of March through first week of April 2022.

Novo would like to request an extension of time to complete remediation efforts and prepare the final remediation report. The 90-day period ends on March 18, 2022. Please advise so that Novo remains in compliance with the NMOCD and can work towards completion of this project.

If you have any questions or would like to discuss, please contact me at the number below.

Thank you all for attention to this project,

Bryan

Bryan Haney, TX P.G

Senior Project Manager | 361.658.3126 |

Bryan.Haney@altamira-us.com

altamira-us.com



From: [Bryan Haney](#)
To: [Hamlet, Robert, EMNRD](#)
Cc: [Bratcher, Mike, EMNRD](#); jennifer.nobui@state.nm.us; [Hensley, Chad, EMNRD](#); ["Kurt Shipley"](#); [Jason Hawley](#)
Subject: Novo Ovation O Pad Release Soil Remediation Activities - 48-Hour Notification - nAPP2136132623 - Off-Site Area Only
Date: Monday, February 21, 2022 1:32:00 PM
Attachments: [image001.png](#)
[NAPP2136132623 Novo Oil & Gas Revised - Executed-Approved.pdf](#)

Novo is providing the 48-hour notification of field activities for the above referenced site. We will be conducting soil remediation activities starting February 27th and extending through the week.

Remediation Plan:

- Conduct shallow soil excavation in off-site affected area (below pad area). Affected soil will initially be excavated to approximately 1-2 feet bgs based on initial sampling post release.
- Soil will be loaded and transported to the R360 facility
- Confirmation soil sampling will be conducted per 19.15.29.12 (D)(1) for analysis of TPH, Chlorides and VOCs
- The release was comprised of primarily of diesel and brine (~97-99%) and minor other additives
- Analytical results will be evaluated daily to determine the need for additional remediation per grid if constituent concentrations exceed respective Closure Criteria
- Once remediation activities are complete, the area will be backfilled with native topsoil from the area (landowner's property) and seeded with native grasses

If there are any question please reach out to me directly.

Thanks for your help,

Bryan

Bryan Haney, TX P.G

Senior Project Manager | 361.658.3126 | altamira-us.com



From: [Bratcher, Mike, EMNRD](#)
To: [Bryan Haney](#); [Hamlet, Robert, EMNRD](#)
Cc: [Nobui, Jennifer, EMNRD](#); [Hensley, Chad, EMNRD](#); ["Kurt Shipley"](#); [Jason Hawley](#)
Subject: RE: [EXTERNAL] RE: Novo Ovation O Pad Release Soil Remediation Activities - 48-Hour Notification - nAPP2136132623 - On-Site Pad Area
Date: Tuesday, March 22, 2022 8:05:42 AM
Attachments: [image003.png](#)

Bryan,

Thank you for the notification. Please include a copy of this and all email notifications in the remedial/closure report to insure documentation is complete in the project files.

Thank you,

Mike Bratcher • Incident Supervisor
Environmental Bureau
EMNRD - Oil Conservation Division
811S. First St. | Artesia, NM 88210
(575) 626-0857 | mike.bratcher@state.nm.us
<http://www.emnrd.state.nm.us/OCD/>



From: Bryan Haney <Bryan.Haney@Altamira-US.com>
Sent: Monday, March 21, 2022 5:09 PM
To: Hamlet, Robert, EMNRD <Robert.Hamlet@state.nm.us>
Cc: Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>; Nobui, Jennifer, EMNRD <Jennifer.Nobui@state.nm.us>; Hensley, Chad, EMNRD <Chad.Hensley@state.nm.us>; 'Kurt Shipley' <kshipley@novoo.com>; Jason Hawley <jasonwhawley@gmail.com>
Subject: [EXTERNAL] RE: Novo Ovation O Pad Release Soil Remediation Activities - 48-Hour Notification - nAPP2136132623 - On-Site Pad Area

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

Novo is providing the 48-hour notification of field activities for the above referenced site. We will be conducting soil remediation activities starting February 27th and extending through the week.

Remediation Plan:

- Conduct shallow soil excavation in on-site affected area (current caliche pad area). Affected soil will initially be excavated to approximately 1-2 feet bgs based on initial sampling post release.
- Soil will be loaded and transported to the R360 facility

Confirmation soil sampling will be conducted per 19.15.29.12 (D)(1) for analysis of TPH, Chlorides and VOCs

- The release was comprised of primarily of diesel and brine (~97-99%) and minor other additives
- Analytical results will be evaluated daily to determine the need for additional remediation per grid if constituent concentrations exceed respective Closure Criteria
- Once remediation activities are complete, the area may be backfilled with caliche as necessary.

If there are any question please reach out to me directly.

Thanks for your help,

Bryan

Bryan Haney, TX P.G

Senior Project Manager | 361.658.3126 | altamira-us.com



ALTAMIRA



APPENDIX B
Photographic Documentation

Appendix B - Photograph Log
Ovation Pad-O Flare Stack Drilling Fluid Release
Incident ID: nAPP2136132623



View north at flare stack drilling fluid release located on-site



View south from Ovation Pad-O area following initial response action to remove standing fluids and visually stained soil areas

Appendix B - Photograph Log
Ovation Pad-O Flare Stack Drilling Fluid Release
Incident ID: nAPP2136132623



View south from Ovation Pad-O showing berm and off-site property to right



View south at off-site area grids and composite confirmation soil sampling

Appendix B - Photograph Log
Ovation Pad-O Flare Stack Drilling Fluid Release
Incident ID: nAPP2136132623



View southwest at off-site property grids and excavation area



View west at off-site release area and stockpiled soil for disposal

Appendix B - Photograph Log
Ovation Pad-O Flare Stack Drilling Fluid Release
Incident ID: nAPP2136132623



View west at off-site property remediation/excavation



View northwest at direct loading of excavated soil to truck

Appendix B - Photograph Log
Ovation Pad-O Flare Stack Drilling Fluid Release
Incident ID: nAPP2136132623



View southwest at off-site remediation area



View south at off-site property remediation area – backfilled and compacted

Appendix B - Photograph Log
Ovation Pad-O Flare Stack Drilling Fluid Release
Incident ID: nAPP2136132623



View west of on-site remediation – stockpiling affected soil



View west from Ovation Pad-O at grids set up in remediation area

Appendix B - Photograph Log
Ovation Pad-O Flare Stack Drilling Fluid Release
Incident ID: nAPP2136132623



View northwest on-site at grids and remediation area



View south on-site at excavation near grids P-1, P-2 and P-4

Appendix B - Photograph Log
Ovation Pad-O Flare Stack Drilling Fluid Release
Incident ID: nAPP2136132623



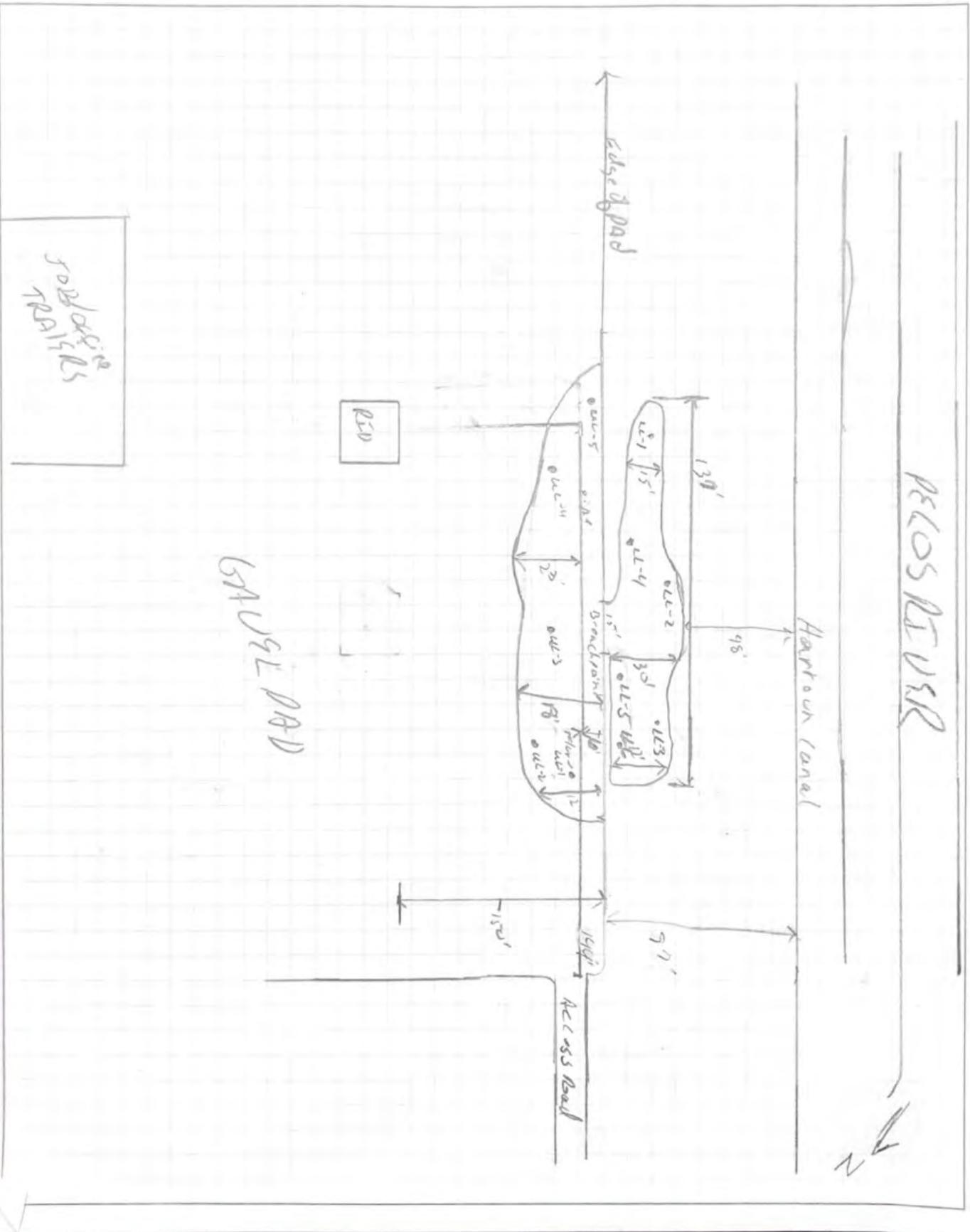
View southeast at on-site area post remediation – pad has been backfilled and compacted to match original pad conditions



APPENDIX C
Field Documentation



Page: 6 of 1
 Client: NODO
 Date: 11/12/2022
 Project: Quation PADO
 By: [Signature]



11/12/2022

NOVO Ovation PAD O

1 of 6

0800 Depart for site will stop to get additional supplies
Meeting Jason @ 10:00 AM @ site

0821 received call from Jason telling me ~~that~~^{he} he was going to be on site earlier than expected

0926 Arrive @ site walked through spill Area with Jason & marked perimeter with stakes on upper & lower spill Areas

1017 called Bryan to give update on progress of site visit then proceeded to take photos of Area. Photos of Area and marked photos are in FullCam App.

1210 Marked sample points within spill Area: 5 locations on upper spill Area & 6 in lower spill Area. Approx location on site figure will collect GPS locations

UL-1	32.30852	-104.05242
UL-2	32.30849	-104.05239
UL-3	32.30840	-104.05230
UL-4	32.30832	-104.05230
UL-5	32.30827	-104.05226
LL-1	32.30828	-104.05234
LL-2	32.30842	-104.05244
LL-3	32.30847	-104.05254
LL-4	32.30815	-104.05238
LL-5	32.30840	-104.05249
LL-6	32.30853	-104.05252

1239 completed collection of GPS coordinates for sample points will begin ^{to} begin sample collection for screening

1314 collected all 5 sample points on upper spill Area

1315 calibrate PFD with 100 ppm Isoflutone

1319 complete calibration of PFD reading 100 ppm

1320 Begin screening samples

UL-1 (0-0.5')	10.7 ppm	sample time 1247
UL-2 (0-0.5')	71.2 ppm	sample time 1253
UL-3 (0-0.5')	114.3 ppm	sample time 1259
UL-4 (0-0.5')	209.5 ppm	sample time 1306
UL-5 (0-0.5')	430.1 ppm	sample time 1313

will jar all samples in appropriate containers

1343 completed jarring upper spill Area samples will proceed to collect lower spill Area samples for screening

1406 completed collecting lower spill Area samples will let material then screen with PFD

Scale: 1 square = _____

1/14/2022

2 of 2

NOVA ORCATION PADO

- 1410 LL-1 (0.0.5) 8.6ppm Sample time 1349
- LL-2 (0.0.5) 39.1ppm Sample time 1352
- LL-3 (0.0.5) 19.2ppm Sample time 1354
- LL-4 (0.0.5) 157.2ppm Sample time 1357
- LL-5 (0.0.5) 12.5ppm Sample time 1401
- LL-6 (0.0.5) 22.1ppm Sample time 1404

All samples from lower ~~at~~ spill Area screened with HPEP will put into appropriate containers for lab analysis.

All lower samples were brown loose dry silt with trace fine sand + grass foot left, upper spill Area calcareous + Emerald Hard

1436 completed all tasks on site samples in 100 lb coolers

1448 called Jason to let him know I was off site

EB



Client: NOVO

Date: _____

Project: DUNNAN O-PAD

By: BH

◦ NOTIFICATION TO NMOCD

✓ CHEMICAL LABS - CONTRACT - CONT. 575.393.2326 - SEALY 24hr & SAME DAY

✓ DISPOSAL SETUP - NOVO? - R360

✓ SAMPLE KIT #s

25 CHLORIDE / BTEX / TPH - \$175
VOCs - \$150

ARMED RUP OFF - MONDAY - WEDS

- ✓ HAND AUGER
- ✓ PID
- ✓ STAPLES / FANG
- ✓ BULLETS
- ✓ GLOVES

ORDERED ON 2/21/2022

BH

✓ LAB. CHEMICAL - CELEBY - ORDER 22-SETT SULL ON 2/18/22
DELIVER WEDS TO HAMPTON NW
TPH, Chlorides, VOC

BH

OVERCALL 382 & 31 (PUT ASH IN MOVES REAR) 3500ft EST
1900ft SOUTH TO SITE UN DIRT REAR
• 22FE250088

✓ NMOCD NOTIFICATION

ARTESA office: 505.629.6116

EMAIL NOTIFICATION TO ROBERT, MIKE, CHAD, JENNIFER

2/21/2022 BH

R360 - JEFF SALAS - 575.397.9933 - JeffreySa@r360es.com
MANAGERS

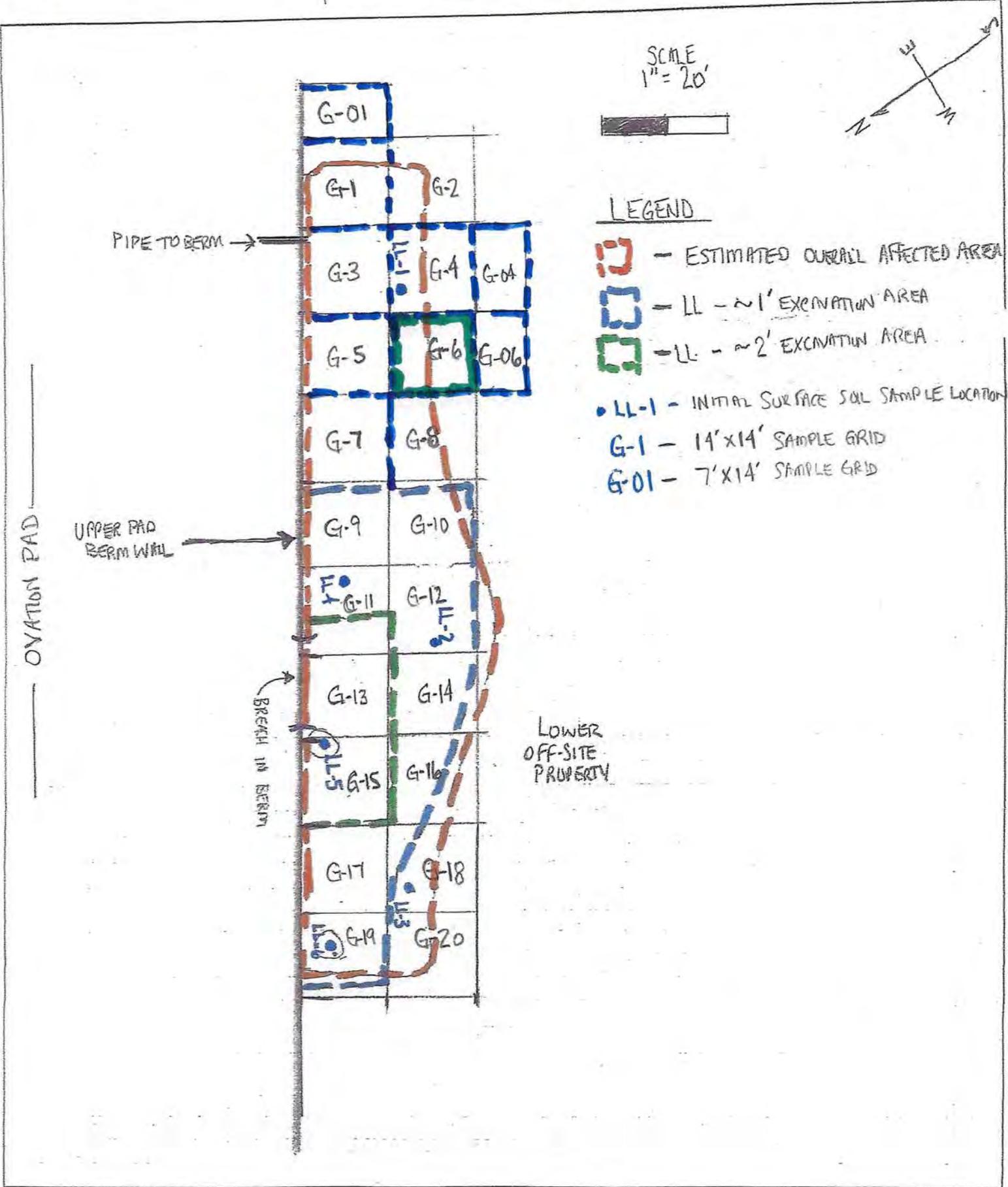


Client: NOVO

Date: 2/8/2022

Project: OVATION-O-PAD

By: BH



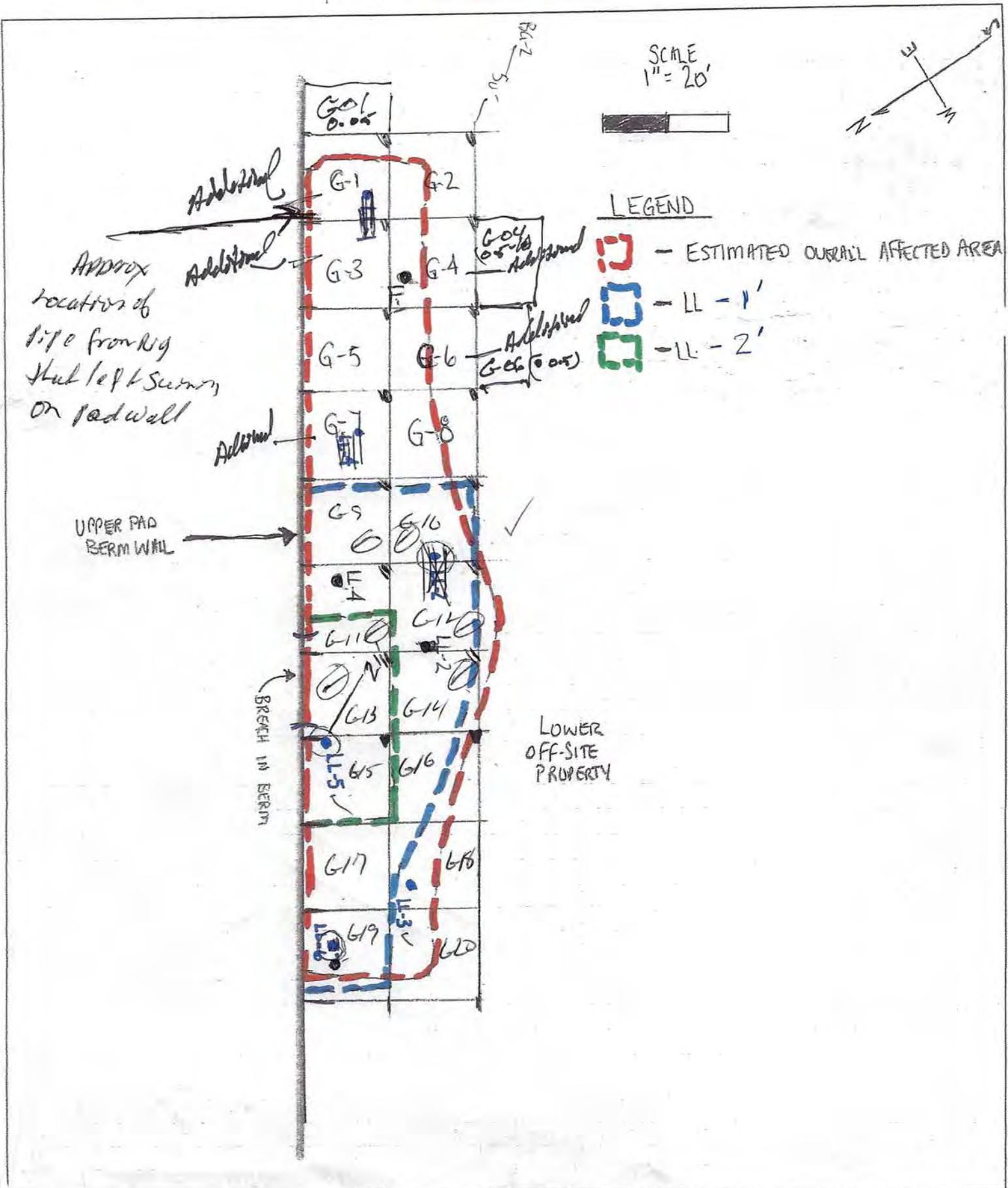


Client: NOVO

Date: 2/8/2022

Project: QUATION-O-PAD

By: BH





Client: Novo

Page: 1 of 1

Project: Duation PAD 0

Date: 1/12/2022

By: OS

20'
SCALE

P19

LINE TO
FLARE

GREEN
STRIP

FLARE

BREACH
IN BEAM

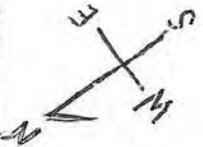
Brushy
small trees

TO PEGAS RIVER

HARBOR CANAL

GRAVEL PAD

- LEGEND
- - UL-1 - 0-0.5' SOIL SAMPLE
 - - UPPER LEVEL
 - - LOWER LEVEL
 - - APPROXIMATE RELEASE AREA



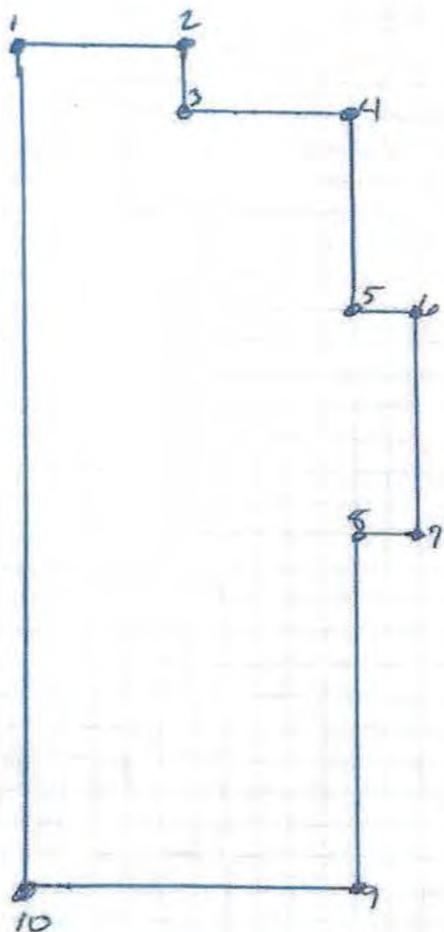


Client: Norco

Page: 1 of 1
Date: 3/4/2022

Project: Novo Ovation OPAD

By: CG



- 1) N 32.3084620
W -104.0522467
- 2) N 32.3081753
W -104.0523257
- 3) N 32.3082159
W -104.0523472
- 4) 32.3081660
W -104.0523358
- 5) 32.3081773
W -104.0523804
- 6) 32.3081411
W -104.0524256
- 7) 32.3082133
W -104.0524370
- 8) 32.3082484
W -104.0524461
- 9) 32.30824
32.3081896
W -104.0525782
- 10) 32.3065226
W -104.0525078



ALTAMIRA

Client: _____

Page: _____ of _____

Date: _____

Project: _____

By: _____

3/1/2022

G10	128.2 ppm	(1.5-2)
G9	176.5 ppm	(1.5-2)
B12	60.6 ppm	(0.5-1)
G14	30.2 ppm	(0.5-1)
G11	123.4 ppm	(1.5-2)
G13	14.2 ppm	(1.5-2)

3/2/2022

G-16	6.4 ppm	(0.5-1)
G-15	7.4 ppm	(1.5-2)
G-17	15.7 ppm	(0.5-1)
G-18	9.0 ppm	(0.5-1)
G-20	27.7 ppm	(0.5-1)
G-19	26.1 ppm	(0.5-1)
G1 (0.5-1)	37.8 ppm	(0.5-1)
G01	20.7 ppm	(0.5-1)
G-3	12.6 ppm	(0.5-1)

3/3/2022

↩

G7	32.2 ppm	(0.5-1)
----	----------	---------



Client: NLD

Page: 1 of

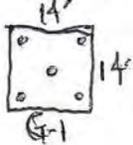
Date: 2/27/2022

Project: QUATTEN - OFF-SITE

By: BH/OK

1560: ALTAMIRA ONSITE AT QUATTEN - OFF-SITE - LOWER LEVEL AREA
 REMEASURE ORIGINAL SOIL SAMPLE 0-0.5' LOCATIONS W/TAPE
 - MARK OUT 200FT² GRIDS ON SOUTH EAST END - WOODEN STAPLES

- WILL COLLECT 5-POINT COMPOSITE SOIL SAMPLE IN EACH GRID PER REG
 - COMPOSITE IN ZILLOCK BAG



DECON TRAWEL BETWEEN WES/DRY

* ALL 0-0.5'

1559: SAMPLE G-1 GRID^{BH} - PID: 395 ppm - ODOR PRESENT

1604: SAMPLE G-2 GRID^{CG} - PID: 26.6 ppm - NO ODOR

1608: SAMPLE G-4 GRID^{CG} - PID: ~~43.1~~ ppm - NO ODOR PRESENT

1613: SAMPLE G-3 GRID^{BH} - PID: ~~115.4~~ ppm - ~~NO~~ ODOR PRESENT

1617: SAMPLE G-6 GRID^{CG} - PID: ~~32.4~~ ppm 158.3 - ODOR PRESENT

1623: SAMPLE G-5 GRID^{BH} - PID: 32.4 ppm - NO ODOR

1627: SAMPLE G-7 GRID^{BH} - PID: 88.5 ppm - ODOR PRESENT

1633: SAMPLE G-8 GRID^{CG} - PID: 223.6 ppm - ODOR PRESENT



Client: NUVO

Page: 2 of 2

Date: 2/77/2022

Project: OUTMAN - OFFSITE

By: BH/OG

COLLECT BACKGROUND SOIL SAMPLES ON EACH END ~ 50' FROM
RELEASE AREA - 0-1' & 1-2' FOR (MURIDES)

BG-1 (0-1')	@ 1711 PID = 26.1 ppm	N 32.3085528
BG-1 (1-2')	@ 1711 PID = 40.5 ppm	W - 104.0527w2
BG-2 (0-1')	@ 1648 PID = 17.0 ppm	N 32.3040762
BG-2 (1-2')	@ 1653 PID = 59.9 ppm	W - 104.0523596

USE STAINLESS STEEL HAND AUGER TO COLLECT EACH 1' INTERVAL - IN ZIP LOCK BAG

3/4/2022

126/1

New Outcrop Release

- 0730 met w/ Bryan to get figures & go over work plan
- 0805 received call from Bryan that backhoe operator would direction to work three acres to get him. Operator to park truck on back side of pad area behind trailers & mobilize equipment to work area
- 0842 Backhoe operator clearing brush @ South west corner to stage soil piles. Went over excavation area with him & will cut the 1' across entire grid area then go back & get the additional 1' in half of grid #9 & 9's 13 & 15 to have a total of 2' in that area.
- 0847 operator started scraping loose soil in Grid Area
- 0850 stopped backhoe had flat RT front tire. operator going back to truck to get with air & sealant.
- 0905 operator & Deluda to head to PPS bay to get plastic to lay soil pile on.
- 1003 back @ location with plastic will lay plastic down to stage soil pile.
- 1025 plastic paid out & operator to resume excavation of affected lots.
- 1041 Jason with Newo on site to see how things were going. Showed him work area & work plan.
- 1114 Jason off site said he would return sometime this afternoon
- 1147 collected a sample of soil to screen from G-9 Grid 7660 ppm. Called Bryan
- 1156 collected soil from grid 10 Area 128.2 ppm
- 1400 collected G-10 composite sample 176.5 ppm
- 1404 collected G-9 composite sample 60.6 ppm
- 1410 collected G-12 composite sample 30.2 ppm
- 1414 collected G-14 composite sample 123.4 ppm
- 1427 collected G-11 composite sample 12.2 ppm
- 1449 collect G-13 composite sample
- 1500 Samples in cooler on site to transport to lab
- 1528 called Bryan Asked if could check with operator to stop after I left to continue excavation. Spoke with operator & he will stop to continue working. Also showed him grids 1 & 3 to excavate down to 1' BGS
- 1538 left site to deliver samples to Lab in Hobbs

3/2/2022

106

New Ovation Release site

- 0743 Depart for site
- 0808 Arrive @ site backhoe operator inspecting backhoe to prepare for excavating.
- 0812 Received call from Bryan - Asked about what work got done after I left yesterday. Told him that most of all grids complete. Just needed to finish last 2 of grids 19 & 20. No work @ grids 1 & 3. Jason of Nevada env. took photos. Asked if any excavating done on Monday. Told him all dirt work started yesterday morning.
- 0822 Jason off site operator clearing new area for soil storage as first area is full.
- 0853 began collecting composite samples in grids 15, 16, 17, 18, 19 & 20.
- 0856 collect G-16 6.4 ppm
- 0900 collect G-15 7.4 ppm
- 0910 collect G-17 15.7 ppm
- 0924 collect G-18 9.0 ppm
- 0934 operator & helper have new soil storage area done operator moving soil to this new area. will be working on finishing up grids 19 & 20. when completed in these grid areas will have to go excavate grids 1, 3, 4 & 7 down an additional 1'.
- 0959 want a second operator additional grids to excavate down to 1': grids 1, 3, 4, 6 & 7. operator to remove brush to allow better access to areas. will remark grid when complete before excavating.
- 1054 remarked grids 1-8
- 1126 crew taking break to allow backhoe to cool off. bucket isn't moving operator thinks it's over heated.
- 1208 backhoe back on service working on grids 1 & 2 will collect composite samples from grids 19 & 20
- 1217 collected G-26 (0.5-1) 27.7 ppm
- 1223 collected G-19 (0.5-1) 26.1 ppm
- 1246 collected G-1 (0.5-1) 37.8 ppm for VOCs & TPH only
- 1252 Received call from Bryan & we are going to add cell 1/2 grid to G1 to the north east & to G4 & G6 to south west. New sample grids will be G01, G04 & G06
- G01 for TPH & VOCs G04 for chlorides only G06 VOC TPH & chlorides
- Operator working on G01 grid
- 1317 backhoe is over heated need to let cool down before working

3/2/2022

208

Novo Ovation Release Site

1347 Backhoe built in operator work on G-01 location

I have marked approx location of where pipe that was coming through pad wall that left storm on side wall of pad.

1407 collected G-01 (0.5-1) single composite 20.7 ppm

operator moving excavated soil to stockpile

1445 G-3 Excavated to 1' will collect single for TPH only

1505 collect G-3 (0.5-1) 12.6 ppm

1525 leaving to deliver samples to lab left operator

Instructions to continue excavating @ G-7 G-4 & G-4 G-6 G-6 + some @ G-9.

2/3/2022

Waste Quotation Release

0740 Depart for site

0805 Arrive @ site operator working on creating road base for trucks to load out soils. G-7 (0.5-1) has been excavated out. Need to excavate G-4, G-04, G-6 & G-06 to 1' BGS. Spoke to Bryan let him know that road base being worked on & to get instructions to complete manifests for waste soils. Results for samples collected 3/1/2022 reviewed. No additional excavation needed @ Grids 10, 9, 12, 14, 11 & 13.

0828 Began drilling out manifests to have ready to load out trucks

0910 ~~3 Bally dump trucks~~ Bally dump trucks are staying on access road to wait to be loaded out

0935 Pad for trucks complete

0939 Began loading up first truck with soil for land fill

1004 first truck departs site second truck moving in to be loaded out

1019 second truck loaded & departing site to land fill third truck now being moved to be loaded

1027 3rd truck leaving site 4th truck moving in to be loaded

1035 Truck 4 departing site will let backhoe cool for a bit

1111 5th truck arrived @ site backing in to be loaded out

1125 5th truck loaded & heading off site backhoe to begin working @ G-4 G-04 G-6 G-06 locations

1134 Backhoe operator informed me that mechanic was on his way to site to work on backhoe over heating issue.

1158 Mechanic onsite to inspect backhoe for over heating problem

1216 Backhoe operating @ G-6 in G-4 & G-04 area

1224 4 trucks back from land fill to be loaded out

1300 5th truck arrived and go collect sample from G-7 (0.5-1)

1323 collected G-7 (0.5-1) composite sample 3:21, 2 PM

1330 will not have trucks back for third round. 10/00 of soil out today. Need to have excavation @ G-4 G-04 G-06 & G-6

Completed & signed before 1500 to make it to the hub before

1700 today

1351 last truck off site letting backhoe cool down

1400 backhoe cooled operator moving to complete excavating @ G-4, 04, 6 & 06 to 1' BGS

1436 collect G-6 (0.5-1) 173 3 PM

3/3/2022

NOVO Operation Release

1439 collect G-06 (0-5-1) 13.3 ppm

1444 collect G-40-5-1) 15.5

1448 collect G-04 (0-5-1) 13.4

1505 All samples in color with ice. told operator to clean up around excavator Areas & have soil piled up to load out in the morning

1510 departing site to deliver samples to lab in Hobbs NM



3/4/2022

Now Duration Release

0740 Report for site

0758 Arrive @ site truck already onsite first one being loaded with soil. Filled out manifests for trucks

0845 called Bryan to let him know that there will be just enough soil for possibly 2 more trucks we should plan on getting backfill for Areas that are clean. He said to speak with Bushhoe operator do speak with HCS company do see if this can be done. Operator working on ^{do} setting moving soil pile to be able to load trucks

0959 Received message from Bryan to get GPS coordinates from corners of excavation + photos. Went + collected GPS coordinates + photos

1034 send GPS coordinates to Bryan

1056 Trucks returned for soil load out. 3 trucks arrived will be able to load out 2 for sure have 3rd on stand by

1151 Received call from Bryan; contractors will complete backfill next week we need to wait on lab results for grids 4, 04, 06, 6 + 7 to make determination of additional excavating. Will finish cleanup of plastic + residual soils prior to leaving site.

1244 All plastic + residual soil loaded in to dump truck for disposal @ land fill.

1258 Dump truck off site to land fill

1300 off site to await sample results.



Client: NOVO

Date: 3/5/2022

Project: QUAMON-OFFSITE

By: BH/06

800: ONSITE - H&S
GOAL: GRID-6 FAILED CHLORIDE @ (0.5-1') → DEEPEN TO 2'
DIRECT LOAD SOIL TO TRUCK

SAMPLE G-6 (2-2.5') PPM-6.8 @
SAMPLE G-6 (2.5-3') PPM-6.3 @

(1) TRUCK LOAD OF SOIL TO R360 W/MANIFEST

905: ALL OFFSITE - EQUIPMENT STILL ONSITE

NO BACKFILLING YET - PENDING G-6 RESULTS



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Altamira US		Project Manager: Bryan Haney		Project #: N100M 2104		Project Owner: Bryan Haney	
Address: 14229 Santa Anaiax0 dr		City: Corpus Christi		State: TX		Zip: 78418	
Phone #: 361-6583126		Fax #:		Company: Altamira-US		Attn: Bryan Haney	
Project Name: New Quation (off site)		Project Location: Springs NM		Address: 14229 Santa Anaiax0 dr		City: Corpus Christi	
Sampler Name: [Signature]		Sample I.D.:		State: TX		Zip: 78418	
FOR LAB USE ONLY		Matrix		Preserv		DATE	
		GROUNDWATER		ACID/BASE:		TIME	
		WASTEWATER		ICE / COOL		3/1/2022 1400	
		SOIL		OTHER:		3/1/2022 1404	
		OIL		OTHER:		3/1/2022 1410	
		SLUDGE		OTHER:		3/1/2022 1416	
		# CONTAINERS		OTHER:		3/1/2022 1427	
		(G)RAB OR (C)OMP.		OTHER:		3/1/2022 1449	
				OTHER:			

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruption, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or resulting from the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By: [Signature] **Date:** 3/1/2022

Received By: [Signature] **Date:** 3/1/2022

Relinquished By: [Signature] **Date:** 3/1/2022

Received By: [Signature] **Date:** 3/1/2022

Delivered By: (Circle One) **Observed Temp. °C:** 3.3 **Corrected Temp. °C:** 2.8

Sampler - UPS - Bus - Other:

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

All Results are emailed. Please provide Email address: Bryan.Haney@Altamira-US.com

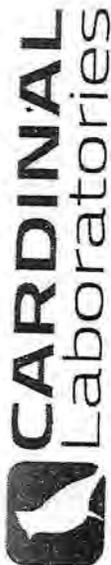
REMARKS: 24hr RAT - Email Results to Bryan Haney

Turnaround Time: Standard Rush **Bacteria (only) Sample Condition**

Thermometer ID #113 **Cool Intact** Yes No **Observed Temp. °C**

Correction Factor -0.5°C **Corrected Temp. °C**

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



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: <i>Alamy's G-25</i>		Company: <i>Alamy's</i>	
Project Manager: <i>Bryan Henry</i>		Attn: <i>Bryan Henry</i>	
Address: <i>14229 Puntabonana</i>		Address: <i>4422 Puntabonana</i>	
City: <i>Coppes Creek</i>		City: <i>Coppes Creek</i>	
Phone #: <i>361-688-326</i>		State: <i>TX</i>	
Project #: <i>MEM 2104</i>		Phone #: <i>361-656-824</i>	
Project Name: <i>Recreation of site</i>		Fax #:	
Project Location: <i>Coppes Creek</i>		Project Owner: <i>Bryan Henry</i>	
Sampler Name: <i>Michelle Combs</i>		City: <i>Coppes Creek</i>	

Lab I.D.	Sample I.D.	(G) RAB OR (C) OMP.	MATRIX				PRESERV		DATE	TIME
			GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:		
H220848										
1	G-17 (0.5-1)	1							3/5/2022	1323
2	G-4 (0.5-1)	1							3/5/2022	1444
3	G-04 (0.5-1)	1							3/5/2022	1448
4	G-6 (0.5-1)	1							3/5/2022	1436
5	G-06 (0.5-1)	1							3/5/2022	1439

FOR LAB USE ONLY		ANALYSIS REQUEST	
Lab I.D.		Sample I.D.	
Matrix		Preserv	
Other		Date	
Time		Time	

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

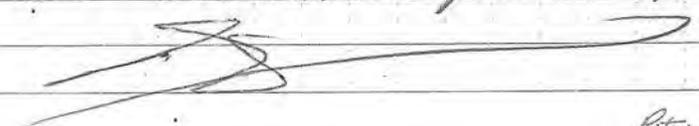
Relinquished By: <i>[Signature]</i>	Received By: <i>[Signature]</i>
Date: <i>3/5/2022</i>	Date: <i>3/5/2022</i>
Time: <i>16:50</i>	Time:
Observed Temp. °C: <i>3.6</i>	Observed Temp. °C:
Corrected Temp. °C: <i>3.1</i>	Corrected Temp. °C:
Delivered By: (Circle One)	Checked By: (Initials)
<input type="checkbox"/> Bus	<input checked="" type="checkbox"/> V.P.
Sampler - UPS - Bus - Other:	Sample Condition
	Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/>
	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
	Standard <input type="checkbox"/> RUSH <input type="checkbox"/>
	Bacteria (only) <input type="checkbox"/>
	Cool <input type="checkbox"/> Intact <input type="checkbox"/>
	Yes <input type="checkbox"/> No <input type="checkbox"/>
	Thermometer ID #113
	Correction Factor -0.5°C
	Turnaround Time:
	Sample Condition
	Observed Temp. °C
	Corrected Temp. °C

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

3/28/2022

Nodo problem

- 0700 depart for site
- 0735 Arrive @ location to complete morning sampling grid. NODO JS moving pipe racks out of Area of excavator.
- BDS operator also on site. told him it would be a while as Estill needed to finish marking area he will take Bally dump truck to another location as we will not have enough soil for him to take
- 0900 began excavating @ grid North West End of spill Area. Plastic laid out for soil. Had received call from Bryan let me know that he may be coming out to site this evening.
- 0944 collected GRID 2 1-1.5 132ppm
- 0949 collect GRID 1 1-1.5 365ppm
- 0950 operator told me there is a broken hydraulic line on backhoe plastic laid out under machine, received call from Bryan. About another NODO hook will send coordinates operator told me mechanic on the way to repair ~~and~~ backhoe hydraulic operator & helper left site to go to their shop to get more plastic shooting
- 1000 screened soil μ readings were greater than 100ppm will have operator dig an additional 1'
- 1030 left site to go to ~~west~~ ⁰⁸ NODO release site
- 1212 back from Spill site - backhoe working on excavating additional 1' from Grid 1 & Grid 2 Areas
- 1222 collect Grid 2 2-2.5 107.3ppm P2(2-2.5)
- 1231 collect Grid 1 (2-2.5) 5.8ppm P-1 (2-2.5)
- 1244 collect P4 (1-1.5) 44.9ppm
- 1259 collect P6 (1-1.5) 13.9ppm
- 1316 shut backhoe down overheating & another hose leak mechanic heading back to site
- 1340 collect P-8 (1-1.5) 8.7ppm
- 1346 collect P-10 (1-1.5) 7.9ppm
- 1359 collect P-12 (1-1.5) 15.6ppm
- 1436/1414 collect P-14 (1-1.5) 8.6ppm
- 1436 collect P-16 (1-1.5) 16.1ppm
- 1448 collect P-18 (1-1.5) 7.6ppm
- 1500 Operator moved backhoe to BO worked on by Mechanic. Supplies in cooler on IFO cleant 5.7 - to deliver supplies to hub



3/29/2022

New Excavation

0910 depart for site

0939 Arrive @ site operator moved soil pile from yesterday that was on grids 3, 5, 7, 9, 11, 13, 15 onto plastic & was preparing to begin on odd numbered grids. Resurveyed North East corner of excavation will start @ 1' intervals of excavation

0925 collect p-3 (1-1.5) 2.4-3 ppm

0829 collect p-5 (1-1.5) 16.8 ppm

0833 collect p-7 (1-1.5) 7.9 ppm

0849 collect p-9 (1-1.5) 28.9 ppm

0906 collect p-11 (1-1.5) 7.3 ppm

0918 called Bryan to let him know that we are almost completed with all grids. We will excavate Grid 17 & excavate step outs @ Grids 1 & 2. Will need to move soil pile from North West end to allow room to step out that direction. Went to inform backhoe operator of additional excavations

1006 collect p-13 (1-1.5) 10.9 ppm

1012 collect p-15 (1-1.5) 6.5 ppm

1018 collect p-17 (1-1.5) 3.7 ppm

1020 Backhoe down has blown out Rem seal dripping Hydraulic fluid. All samples in cooler site will call Bryan to inform him of progress

1130 Bryan onsite to look over project

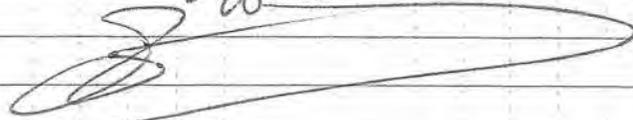
1144 Drive to other leak site with Bryan

1240 called Bryan to let him know that backhoe could be repaired & that Driller wanted us not to move soil ~~creating~~ creating dust cloud across pad limiting view of Reg. Spoke with Lobby about trucks to load out soils. He said they would be onsite @ 700 tomorrow so began hauling dirt pile to R560 land fill.

1258 depart site to deliver samples collected today to Hobbs.

3/30/2012
NOVO Odatan

- 0640 Depart 805 site
- 0705 Arrive @ location. Waiting on BDS to arrive received call that their safety meeting was running longer than expected will excavate an additional 1 foot @ T-4 Grid & also load out trucks with soil to return to landfill
- 0746 Operator from BDS arrived. Showed how what grid to excavate He informed me that 3 trucks were coming for soil hauling
- 0751 Began excavating Grid P4 an additional 1'
- 0719 2 Belly dump Trucks Arrived to be loaded with soil to take to landfill. P4 has been excavated down to 2" will collect sample from T-4 when trucks are loaded & off site
- 0856 Both trucks off site to haul to 360. Mechanic Arrived to Inspect Breakhoe to see how repair of lift arm is doing
- 1009 3rd truck Arrived to be loaded out
- 1036 First 2 trucks return to be loaded out 3rd truck leaving site
- 1109 All 3 trucks loaded & off site
- 1118 collect (2-2.5) P4 4.6 ppm
- 1123 collect (2.5-3) 17.8 ppm
- 1131 collect (3-3.5) 10.9 ppm
- 1143 Soiled samples will run (2-2.5) sample for Chlorides & H₂O (2.5-3) & (3-3.5) samples pending results from (2-2.5) sample
- 1216 Truck back from landfill, being loaded up
- 1233 Truck off site to haul to landfill
- 1248 The 2 trucks running together arrive to be loaded
- 1320 Trucks left
- 1342 called Bryan to 500 if he had received lab results from yesterday's samples
- 1430 Truck arrived to be loaded out
- 1458 2 trucks on site to be loaded out these will be last 2 for today will finish loading out remaining soil tomorrow morning. BDS had T-posts & saw fence to fence off excavation upon completion of work
- 1522 trucks loaded & heading off site plan to take samples to 405



3/31/2022

NOVO OUTCATION

0640 Depart for site

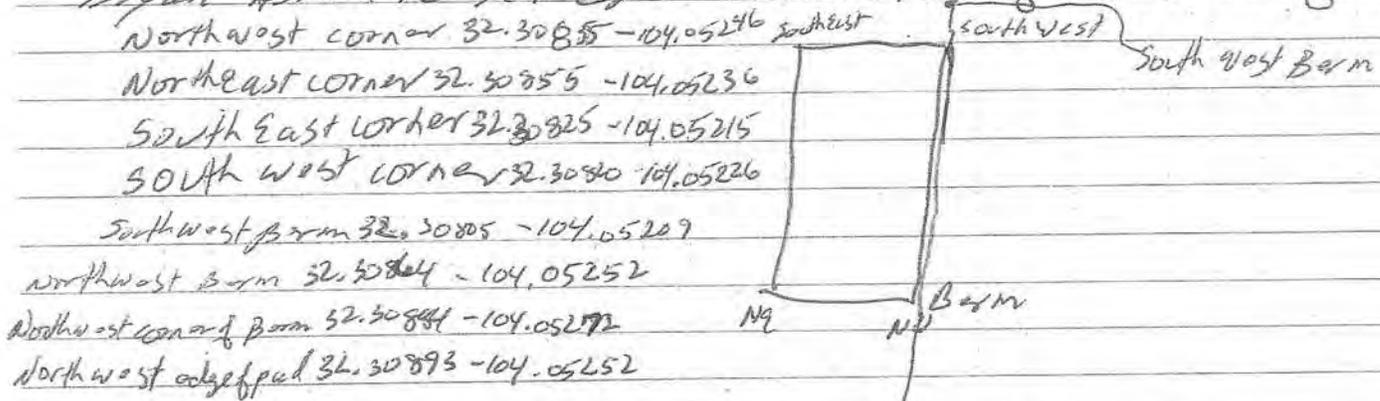
0703 Arrive @ site will be loading out trucks with remaining soil with only have 1 truck available today. Operator inspecting backhoe prior to arrival of truck. Still waiting on sample results from 3/29/2022 to see if additional excavating is needed

0746 truck arrived to be loaded with soil to take to 2366 landfill

0807 TRUCK departs for landfill. Received email with lab results All 6 All look good just waiting on sample P-42-25) collected & submitted to lab yesterday (afternoon)

1016 Truck Back from landfill

1017 Received call from Bryan that P-42-25) grade good no more excavating needed. Sent photos of fencing around excavation to Bryan Asked to get GPS coordinates of corners of excavate



1224 Operator came to me & said he was going to mix in 4-5 Backhoe Bucket of soil from another area. I told him we cannot do that as its a maintained road that we are responsible for and we cannot mix called Bryan & he will call BPS to inform them of this

1235 Bryan called & said He spoke with Jerry but we could not mix the 2 loads of soil. Jerry do let operator know that he will send this truck out then return for load @ other location.

1253 Truck back to haul last of soil pile.

1317 Truck off site took small site photos while doing small walk through.

1333 off site end day



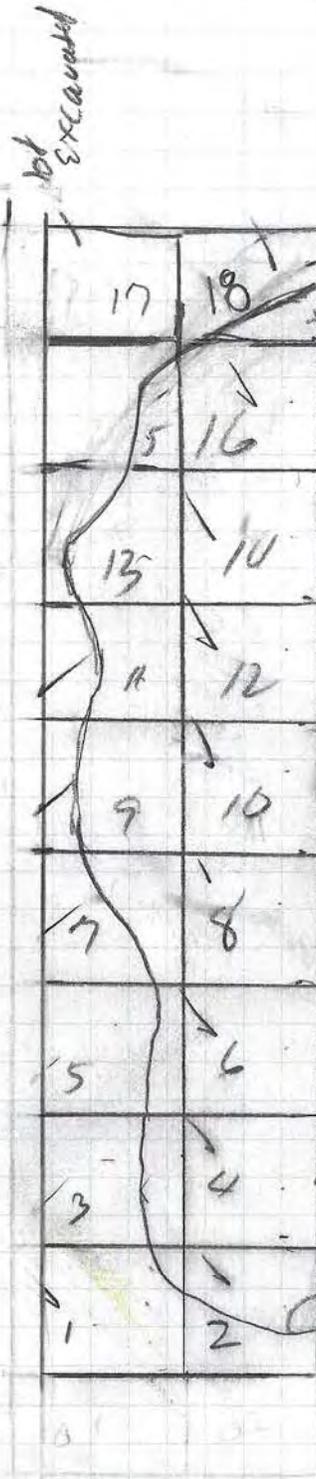
Client: Nova

Page: 1 of 1

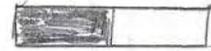
Date: 3/28/2022

Project: Overpass OPAD

By: [Signature]



Scale
1" = 20'



Grid
14x14
130' long
28' wide



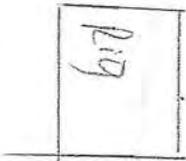
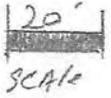
Client: Nbvo

Page: 1 of 1

Date: 1/12/2022

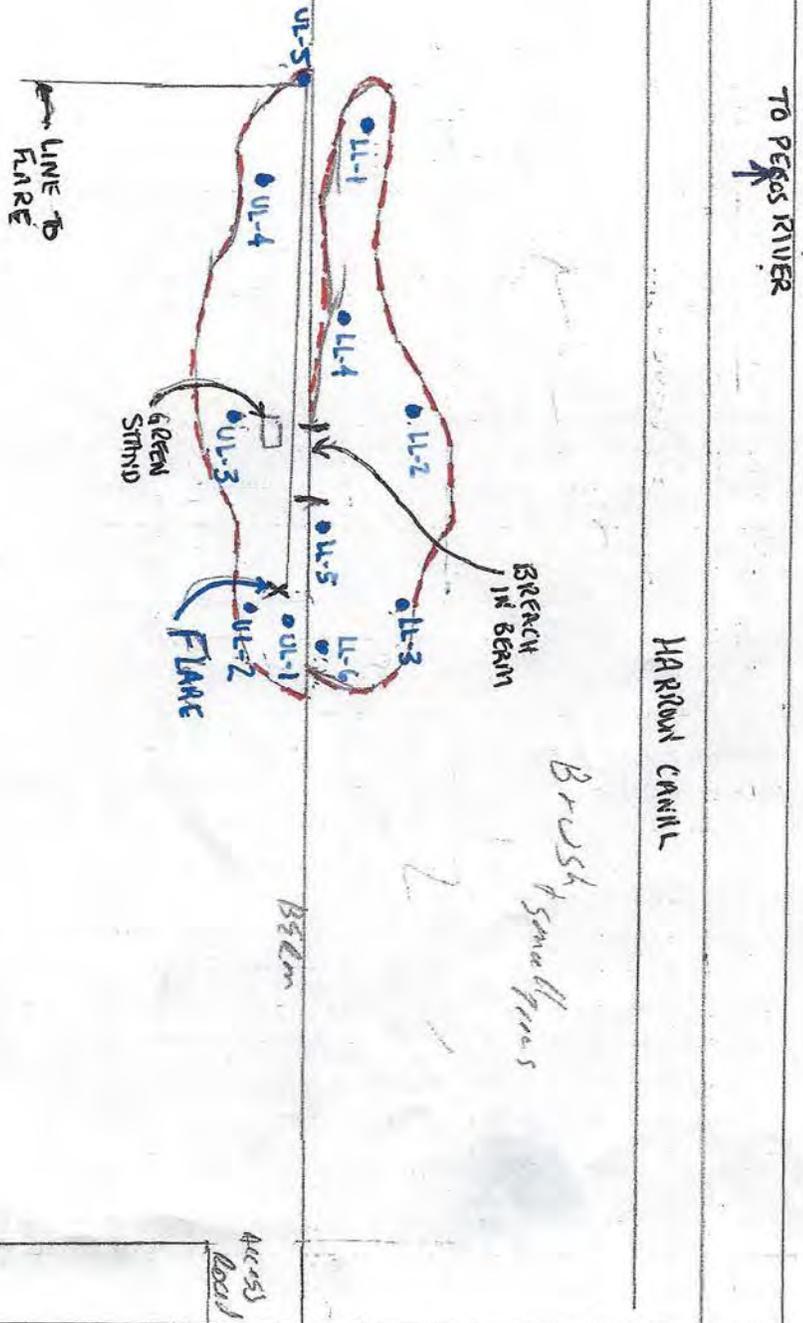
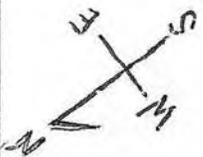
Project: Ovation PAD 0

By: OG



GRAVEL PAD

- LEGEND
- - UL-1 - 0-0.5' SOIL SAMPLE
 - UL - UPPER LEVEL
 - LL - LOWER LEVEL
 - - APPROXIMATE RELEASE AREA



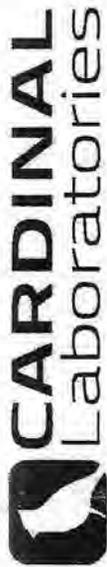


Client: Novo
 Project: Ovation Opad

Page: 1 of 1
 Date: 3/28/2022
 By: EB

PID Reading

P1 5.8 (2-2.5)
 P2 67.3 (2-2.5)
 P4 44.9 (1-1.5)
 P6 13.9 (1-1.5)
 P8 8.7 (1-1.5)
 P10 9.9 (1-1.5)
 P12 15.6 (1-1.5)
 P14 8.6 (1-1.5)
 P16 16.1 (1-1.5)
 P18 9.6 (1-1.5)
 3/29/22
 P3 24.3 (1-1.5)
 P5 16.8 (1-1.5)
 P7 7.9 (1-1.5)
 P9 28.9 (1-1.5)
 P11 9.3 (1-1.5)
 P13 10.7 (1-1.5)
 P15 6.5 (1-1.5)
 P-17 3.7 (1-1.5)
 P-42 4.6 (2-2.5)
 P4 17.8 (2.5-3)
 P-4 10.9 (3-3.5)



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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

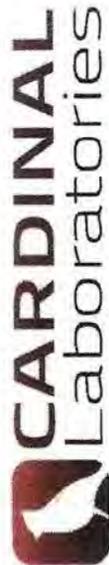
Company Name: <i>Al Familia US</i>		BILL TO		ANALYSIS REQUEST	
Project Manager: <i>Bryon Henry</i>		P.O. #:			
Address: <i>1429 Pinta Penate Dr</i>		Company: <i>Al Familia US</i>			
City: <i>Corpus Christi, TX</i>		Attn: <i>Bryon Henry</i>			
State: <i>TX</i>		Address: <i>1429 Pinta Penate Dr</i>			
Zip: <i>78418</i>		City: <i>Corpus Christi</i>			
Phone #: <i>361-658-3126</i>		State: <i>TX</i>			
Fax #:		Phone #: <i>361-658-3126</i>			
Project #: <i>1429 Pinta Penate Dr</i>		Project Name: <i>Spending Key Mexico</i>			
Project Owner: <i>Bryon Henry</i>		Project Location: <i>Spending Key Mexico</i>			
Project Name: <i>Spending Key Mexico</i>		Sampler Name: <i>Al Familia US</i>			
Project Location: <i>Spending Key Mexico</i>					
Sampler Name: <i>Al Familia US</i>					

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL:	OTHER:	PRESERV.	SAMPLING DATE	TIME	PH (8015) (8015) PRO	PH (8015) (8015) PRO	PH (8015) (8015) PRO
P-2 (1-1-15)		X	1			X					X			3/18/12	1222	X	X	X
P-4 (1-1-15)		X	1			X					X			3/18/12	1231	X	X	X
P-6 (1-1-15)		X	1			X					X			3/18/12	1244	X	X	X
P-8 (1-1-15)		X	1			X					X			3/18/12	1259	X	X	X
P-10 (1-1-15)		X	1			X					X			3/18/12	1340	X	X	X
P-12 (1-1-15)		X	1			X					X			3/18/12	1346	X	X	X
P-14 (1-1-15)		X	1			X					X			3/18/12	1414	X	X	X
P-16 (1-1-15)		X	1			X					X			3/18/12	1436	X	X	X
P-18 (1-1-15)		X	1			X					X			3/18/12	1448	X	X	X

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Relinquished By: <i>[Signature]</i>	Received By: <i>[Signature]</i>	Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Add'l Phone #:
Relinquished By: <i>[Signature]</i>	Received By: <i>[Signature]</i>	All Results are emailed. Please provide Email address:
Delivered By: (Circle One)	Observed Temp. °C: <i>2.28</i>	Standard: <i>Rush</i>
Sampler - UPS - Bus - Other:	Corrected Temp. °C: <i>1.70</i>	Bacteria (only) Sample Condition: <input checked="" type="checkbox"/> Cool <input type="checkbox"/> Intact
		Thermometer ID #113: <input type="checkbox"/> Yes <input type="checkbox"/> No
		Correction Factor -0.5°C: <input type="checkbox"/> Yes <input type="checkbox"/> No
		Turnaround Time: <input type="checkbox"/> Standard <input checked="" type="checkbox"/> Rush
		REMARKS: <i>Rush!</i>

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



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

BILL TO			ANALYSIS REQUEST									
P.O. #:												
Company: <i>Affamira-us</i>												
Project Manager: <i>Bryon Haney</i>												
Address: <i>14229 Pinta Bonanza Dr</i>												
City: <i>Corpus Christi</i> State: <i>TX</i> Zip: <i>78918</i>												
Phone #: <i>361 658 3126</i> Fax #: <i>—</i>												
Project #: <i>2020 N10NM2104</i> Project Owner: <i>Bryon Haney</i>												
Project Name: <i>North Ovation (ced)</i>												
Project Location: <i>Lynn, New Mexico</i>												
Sampler Name: <i>J. Harbo (CP) Balz</i>												

Lab I.D.	Sample I.D.	(G)RAB OR (COMP) # CONTAINERS	MATRIX					PRESERV.	DATE	TIME	OTHER:
			GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE				
P-3	(1-1.5)	1	X					3/29/2022	0825		
P-5	(1-1.5)	1	X					3/29/2022	0829		
P-7	(1-1.5)	1	X					3/29/2022	0833		
P-9	(1-1.5)	1	X					3/29/2022	0847		
P-11	(1-1.5)	1	X					3/29/2022	0906		
P-13	(1-1.5)	1	X					3/29/2022	1005		
P-15	(1-1.5)	1	X					3/29/2022	1012		
P-17	(1-1.5)	1	X					3/29/2022	1018		

Chlorides 300.0 or equivalent GEO DRG

TPH (6015 P/805M) MRO

VOCS 8260

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Relinquished By: *[Signature]* Date: *3/29/22* Received By: *[Signature]* Time: *1423*

Relinquished By: *[Signature]* Date: *—* Received By: *[Signature]* Time: *—*

Delivered By: (Circle One) Observed Temp. °C *0.9°C* Corrected Temp. °C *0.4°C*

Sampler - UPS - Bus - Other: Sample Condition Cool Intact Yes No

Turnaround Time: Standard Rush Bacteria (only) Sample Condition Cool Intact Yes No

Thermometer ID #113 Correction Factor -0.5°C

REMARKS: *RUSH!*

Verbal Result: Yes No Add'l Phone #: *—*

All Results are emailed. Please provide Email address: *—*

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



APPENDIX D
Waste Management Documentation



Customer: NOVO OIL & GAS NORTHERN
 Customer #: CRI4317
 Ordered by: BRYAN HANEY 661-658-3126
 AFE #:
 PO #:
 Manifest #: 557141
 Manif. Date: 3/3/2022
 Hauler: 2S TRUCKING LLC
 Driver: JULIAN
 Truck #: 55
 Card #
 Job Ref #

Ticket #: 700-1280330
 Bid #: O6UJ9A000HO7
 Date: 3/3/2022
 Generator: NOVO OIL & GAS NORTHERN
 Generator #:
 Well Ser. #: 999908
 Well Name: NOVO O PAD
 Well #:
 Field:
 Field #:
 Rig: NON-DRILLING
 County: EDDY (NM)

Permian Basin

Facility: CRI

Product / Service	Quantity Units
Contaminated Soil (RCRA Exempt)	20.00 yards

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

- RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste
- RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):
- MSDS Information RCRA Hazardous Waste Analysis Process Knowledge Other (Provide description above)

Driver/ Agent Signature _____ R360 Representative Signature _____

Customer Approval _____

THIS IS NOT AN INVOICE!

Approved By: JULIAN V. HANEY

Date: 3-3-22



(PLEASE PRINT)

Company Man Contact Information

Name: Bryan Huey
Phone No. 361 658 3126

GENERATOR

NO. 557141

Operator No. _____
Operator's Name: NOVO OIL & GAS LLC
Address: 1001 West Wilshire Blvd
City, State, Zip: Oklahoma City OK 73116
Phone No.: 361-658-3126

Permit/RRC No. _____
Lease/Well Name & No.: NOVO O PAD
County: EDDY
API No. _____
Rig Name & No.: N/A
AFE/PO No. _____

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

	NON-INJECTABLE WATERS	INJECTABLE WATERS
Oil Based Muds	Washout Water (Non-Injectable)	Washout Water (Injectable)
Oil Based Cuttings	Completion Fluid/Flow back (Non-Injectable)	Completion Fluid/Flow back (Injectable)
Water Based Muds	Produced Water (Non-Injectable)	Produced Water (Injectable)
Water Based Cuttings	Gathering Line Water/Waste (Non-Injectable)	Gathering Line Water/Waste (Injectable)
Produced Formation Solids	INTERNAL USE ONLY	OTHER EXEMPT WASTES (type and generation process of the waste)
Tank Bottoms	Truck Washout (exempt waste)	
E&P Contaminated Soil		
Gas Plant Waste		

WASTE GENERATION PROCESS: DRILLING COMPLETION PRODUCTION GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount

All non-exempt E&P waste must be analysed and be below the threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other: _____ *please select from Non-Exempt Waste List on back

QUANTITY	B - BARRELS	L - LIQUID	Y - YARDS	E - EACH
		<u>20</u>		

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste load is (Check the appropriate classification)

- RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
- RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)
 - MSDS Information
 - RCRA Hazardous Waste Analysis
 - Other (Provide Description Below)

EMERGENCY NON-OILFIELD: Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety (the order, documentation of non-hazardous waste determination and a description of the waste must accompany this form)

Armando Gonzalez on behalf of NOVO OIL & GAS 3/3/2022
(PRINT) AUTHORIZED AGENT'S NAME DATE SIGNATURE

TRANSPORTER

Transporter's Name: ZS TRUCKING
Address: 1207 HOPI RD
Phone No.: 575) 725-1322

Driver's Name: JULIAN URANCA
Print Name: JULIAN URANCA
Phone No. _____
Truck No.: 55

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.
3-3-22 JULIAN R URANCA 3-3-23 JULIAN R URANCA
SHIPMENT DATE DRIVER'S SIGNATURE DELIVERY DATE DRIVER'S SIGNATURE

TRUCK TIME STAMP

DISPOSAL FACILITY

RECEIVING AREA

IN: _____ OUT: _____ Name/No. 28

Site Name/ Permit No.: Halfway Facility / NM41-056 Phone No.: 575-393-1070
Address: 6601 Hobbs Hwy US 62/180 Mile Marker 66 Carlsbad, NM 88220

NORM READINGS TAKEN? (Circle One) YES NO If YES, was reading > 50 micro roentgens? (circle one) YES NO
PASS THE PAINT FILTER TEST? (Circle One) YES NO

TANK BOTTOMS

	Feet	Inches	BS&W/BGLS Received	Free Water	Total Received	BS&W (%)
1st Gauge						
2nd Gauge						
Received						

I hereby certify that the above load material has been (circle one) ACCEPTED DENIED If denied, why? _____
Armando Gonzalez 3/3 Adn [Signature]
TITLE SIGNATURE



Customer: NOVO OIL & GAS NORTHERN
 Customer #: CRI4317
 Ordered by: BRYAN HANEY
 AFE #:
 PO #:
 Manifest #: 557142
 Manif. Date: 3/3/2022
 Hauler: 2S TRUCKING LLC
 Driver: EDUARDO
 Truck #: S10
 Card #
 Job Ref #

Ticket #: 700-1280335
 Bid #: O6UJ9A000HO7
 Date: 3/3/2022
 Generator: NOVO OIL & GAS NORTHERN
 Generator #:
 Well Ser. #: 999908
 Well Name: NOVO O PAD
 Well #:
 Field:
 Field #:
 Rig: NON-DRILLING
 County: EDDY (NM)

Permian Basin

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

20.00 yards

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

- RCRA Exempt: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste
- RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):
 - MSDS Information
 - RCRA Hazardous Waste Analysis
 - Process Knowledge
 - Other (Provide description above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____



(PLEASE PRINT)

Company Man Contact Information

Name Bryan Haney

Phone No. 361 658 3126

GENERATOR

NO. 557142

Operator No. _____
Operator's Name Novo Oil & Gas LLC
Address 1001 West W. Highway Blvd
City, State, Zip Oklahoma City OK 73116
Phone No. 361 658 3126

Permit/BRC No. _____
Lease/Well Name & No. _____
County _____
API No. _____
Rig Name & No. _____
AFE/PO No. _____

Novo Opad

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)		
Oil Based Muds	NON-INJECTABLE WATERS	INJECTABLE WATERS
Oil Based Cuttings	Washout Water (Non-Injectable)	Washout Water (Injectable)
Water Based Muds	Completion Fluid/Flow back (Non-Injectable)	Completion Fluid/Flow back (Injectable)
Water Based Cuttings	Produced Water (Non-Injectable)	Produced Water (Injectable)
Produced Formation Solids	Gathering Line Water/Waste (Non-Injectable)	Gathering Line Water/Waste (Injectable)
Tank Bottoms	INTERNAL USE ONLY	OTHER EXEMPT WASTES (type and generation process of the waste)
E&P Contaminated Soil	Truck Washout (exempt waste)	
Gas Plant Waste		
WASTE GENERATION PROCESS:	<input checked="" type="checkbox"/> DRILLING	<input type="checkbox"/> COMPLETION <input type="checkbox"/> PRODUCTION <input type="checkbox"/> GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount
All non-exempt E&P waste must be analysed and be below the threshold limits for toxicity (TCLP), ignitability, Corrosivity and Reactivity.
Non-Exempt Other _____ *please select from Non-Exempt Waste List on back

QUANTITY 20 B - BARRELS L - LIQUID Y - YARDS E - EACH

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste load is (Check the appropriate classification)

- RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
- RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)
 - MSDS Information
 - RCRA Hazardous Waste Analysis
 - Other (Provide Description Below)

EMERGENCY NON-OILFIELD: Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety (the order, documentation of non-hazardous waste determination and a description of the waste must accompany this form)

Delivered on behalf of Novo Oil & Gas 3/3/2022
(PRINT) AUTHORIZED AGENTS NAME DATE

[Signature]
SIGNATURE

TRANSPORTER

Transporter's Name CS Trucking
Address 1207 HOPE RD
Phone No. 575) 725 1332

Driver's Name EDUARDO TINAJERO
Print Name EDUARDO TINAJERO
Phone No. _____
Truck No. 510

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE 3-3-22 [Signature] DELIVERY DATE 3-3-22 [Signature]

TRUCK TIME STAMP

DISPOSAL FACILITY

RECEIVING AREA

IN: _____ OUT: _____

Name/No. 28

Site Name/ Permit No. Halfway Facility / N41-006
Address 6601 Hobbs Hwy US 67/180 Mile Marker 66 Carlsbad, NM 88220

Phone No. 575-393-1079

NORM READINGS TAKEN? (Circle One) YES NO If YES, was reading > 50 micro roentgens? (circle one) YES NO
PASS THE PAINT FILTER TEST? (Circle One) YES NO

TANK BOTTOMS

	Feet	Inches	B&W/BBLs Received	Free Water	Total Received	B&W (%)
1st Gauge						
2nd Gauge						
Received						

I hereby certify that the above load material has been (circle one) ACCEPTED [Signature] If denied, why? _____

[Signature]
DATE (PRINT)

3/3/22
DATE

[Signature]
TITLE

SIGNATURE



ENVIRONMENTAL SOLUTIONS

Permian Basin

Customer:	NOVO OIL & GAS NORTHERN	Ticket #:	700-1280336
Customer #:	CRI4317	Bid #:	O6UJ9A000HO7
Ordered by:	BRYAN HANEY	Date:	3/3/2022
AFE #:		Generator:	NOVO OIL & GAS NORTHERN
PO #:		Generator #:	
Manifest #:	557143	Well Ser. #:	999908
Manif. Date:	3/3/2022	Well Name:	NOVO O PAD
Hauler:	2S TRUCKING LLC	Well #:	
Driver:	SERGIO	Field:	
Truck #	59	Field #:	
Card #		Rig:	NON-DRILLING
Job Ref #		County	EDDY (NM)

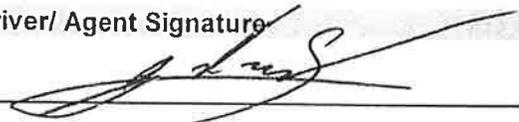
Facility: CRI

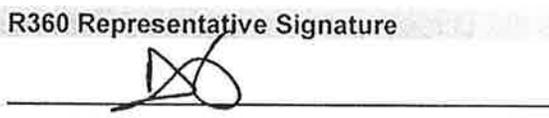
Product / Service	Quantity	Units
Contaminated Soil (RCRA Exempt)	20.00	yards

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

- RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste
- RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):
- MSDS Information RCRA Hazardous Waste Analysis Process Knowledge Other (Provide description above)

Driver/ Agent Signature 

R360 Representative Signature 

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____



(PLEASE PRINT)

Company Man Contact Information

Name: Bryan Haney
Phone No: 361 658 3126

GENERATOR

NO. 557143

Generator No: _____
Operator's Name: Noro Oil Gas LLC
Address: 1001 West Wilshire Blvd
City, State, Zip: Oklahoma City OK 73116
Phone No: 361 658 3126

Permit/RRC No. _____
Lease/Well _____
Name & No: Noro 0 pad
County _____
API No. _____
Rig Name & No. _____
AFE/PO No. _____

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds	NON-INJECTABLE WATERS	INJECTABLE WATERS
Oil Based Cuttings	Washout Water (Non-Injectable)	Washout Water (Injectable)
Water Based Muds	Completion Fluid/Flow back (Non-Injectable)	Completion Fluid/Flow back (Injectable)
Water Based Cuttings	Production Water (Non-Injectable)	Produced Water (Injectable)
Produced Formation Solids	Gathering Line Water/Waste (Non-Injectable)	Gathering Line Water/Waste (Injectable)
Tank Bottoms	INTERNAL USE ONLY	OTHER EXEMPT WASTES (type and generation process of the waste)
E&P Contaminated Soil	Truck Washout (exempt waste)	
Gas Plant Waste		

WASTE GENERATION PROCESS: DRILLING COMPLETION PRODUCTION GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount

All non-exempt E&P waste must be analysed and be below the threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other _____ *please select from Non-Exempt Waste List on back

QUANTITY B - BARRELS L - LIQUID 20 Y - YARDS E - EACH

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste load is (Check the appropriate classification)

- RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
- RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)
 - MSDS Information
 - RCRA Hazardous Waste Analysis
 - Other (Provide Description Below)

EMERGENCY NON-OILFIELD: Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety (the order, documentation of non-hazardous waste determination and a description of the waste must accompany this form)

Morales on behalf of Noro Oil Gas 3/3/2022
(PRINT) AUTHORIZED AGENT'S NAME DATE SIGNATURE

TRANSPORTER

Transporter's Name: ZS Trucking
Address: 1207 Hopi Rd
Phone No: 575) 725 1332

Driver's Name: SERGIO TINA JERO
Print Name: SERGIO TINA JERO
Phone No. _____
Truck No: 59

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

3-3-22 [Signature] 3-3-22 [Signature]
SHIPMENT DATE SHIPPER'S SIGNATURE DELIVERY DATE DISPOSER'S SIGNATURE

TRUCK TIME STAMP

DISPOSAL FACILITY

RECEIVING AREA

IN: _____ OUT: _____

Name/No. 28

Site Name/Permit No.: Halfway Facility / NM1100C
Address: 6601 Hobbs Hwy US 62/180 Mile Marker 66 Carlisbad, NM 88220

Phone No: 575-393-1079

NORM READINGS TAKEN? (Circle One) YES NO If YES, was reading > 50 micro roentgens? (circle one) YES NO
PASS THE PAINT FILTER TEST? (Circle One) YES NO

TANK BOTTOMS

1st Gauge	Feet	Inches	BS&W/BBLs Received	BS&W (%)
2nd Gauge			Free Water	
Received			Total Received	

I hereby certify that the above load material has been (circle one): ACCEPTED DENIED if denied, why? _____

A Deming 3-3-22 [Signature]
NAME (PRINT) DATE TITLE SIGNATURE



Permian Basin

Customer:	NOVO OIL & GAS NORTHERN	Ticket #:	700-1280338
Customer #:	CRI4317	Bid #:	O6UJ9A000HO7
Ordered by:	BRIAN HENLEY	Date:	3/3/2022
AFE #:		Generator:	NOVO OIL & GAS NORTHERN
PO #:		Generator #:	
Manifest #:	557144	Well Ser. #:	999908
Manif. Date:	3/3/2022	Well Name:	NOVO O PAD
Hauler:	2S TRUCKING LLC	Well #:	
Driver:	JOSE	Field:	
Truck #:	511	Field #:	
Card #:		Rig:	NON-DRILLING
Job Ref #:		County:	EDDY (NM)

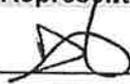
Facility: CRI

Product / Service	Quantity	Units
Contaminated Soil (RCRA Exempt)	20.00	yards

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

- RCRA Exempt: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste
- RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):
- MSDS Information RCRA Hazardous Waste Analysis Process Knowledge Other (Provide description above)

Driver/ Agent Signature	R360 Representative Signature
_____	_____ 

Customer Approval

Approved By: 

THIS IS NOT AN INVOICE!

Date: _____



(PLEASE PRINT)

Company Main Contact Information

Name Brycen Henry

Phone No. 361 658 3126

GENERATOR

NO. 557144

Operator No. _____
Operator's Name Novo Oil & Gas LLC
Address 1001 West Wilshire Blvd
City, State, Zip OKLAHOMA CITY OK 73116
Phone No. 361-658-3126

Permit/ITRC No. _____
Lease/Well Name & No. Novo O pad
County _____
API No. _____
Rig Name & No. _____
AFE/PO No. _____

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)		
Oil Based Muds	<input type="checkbox"/>	NON-INJECTABLE WATERS
Oil Based Cuttings	<input type="checkbox"/>	
Water Based Muds	<input type="checkbox"/>	Washout Water (Non-Injectable) _____ Completion Fluid/Flow back (Non-Injectable) _____ Produced Water (Non-Injectable) _____ Gathering Line Water/Waste (Non-Injectable) _____
Water Based Cuttings	<input type="checkbox"/>	
Produced Formation Solids	<input type="checkbox"/>	
Tank Bottoms	<input type="checkbox"/>	
E&P Contaminated Soil	<input checked="" type="checkbox"/>	INTERNAL USE ONLY
Gas Plant Waste	<input type="checkbox"/>	Truck Washout (exempt waste) _____
WASTE GENERATION PROCESS:		OTHER EXEMPT WASTES (type and generation process of the waste) _____
<input checked="" type="checkbox"/> DRILLING	<input type="checkbox"/> COMPLETION	<input type="checkbox"/> PRODUCTION
		<input type="checkbox"/> GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount
All non-exempt E&P waste must be analysed and be below the threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.
Non-Exempt Other _____ *please select from Non-Exempt Waste List on back

QUANTITY	B - BARRELS	L - LIQUID	Y - YARDS	E - EACH
		<u>20</u>		

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste load is (Check the appropriate classification)

- RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
- RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached (Check the appropriate items as provided)
 - MSDS Information
 - RCRA Hazardous Waste Analysis
 - Other (Provide Description Below)

EMERGENCY NON-OILFIELD: Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety (the order, documentation of non-hazardous waste determination and a description of the waste must accompany this form)

Charles B. ... (PRINT) AUTHORIZED AGENT'S NAME 3/3/2022 DATE [Signature] SIGNATURE

TRANSPORTER

Transporter's Name ZS Trucking
Address 1207 Hopi Rd
Phone No. 575) 725 1332

Driver's Name JOSE VASQUEZ
Print Name JOSE VASQUEZ
Phone No. _____
Truck No. 511

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below
3-3-22 [Signature] 3-3-22 Jose Vasquez

TRUCK TIME STAMP

DISPOSAL FACILITY

RECEIVING AREA

IN: _____ OUT: _____ Name/No. 28

Site Name/ Permit No. Halfway Facility / NM1-006
Address 6601 Hobbs Hwy US 62/180 Mile Marker 66 Carlsbad, NM 88220

Phone No. 575-393-1079

NORM READINGS TAKEN? (Circle One) YES NO If YES, was reading > 50 micro roentgens? (circle one) YES NO
PASS THE PAINT FILTER TEST? (Circle One) YES NO

TANK BOTTOMS

	Feet	Inches	BS&W/BBLs Received	Free Water	Total Received	BS&W (%)
1st Gauge						
2nd Gauge						
Received						

I hereby certify that the above load material has been (circle one): ACCEPTED DENIED If denied, why? Rec
A. Dominguez 3-3-22 [Signature]



Customer: NOVO OIL & GAS NORTHERN
Customer #: CRI4317
Ordered by: BRYAN HANEY
AFE #:
PO #:
Manifest #: 557145
Manif. Date: 3/3/2022
Hauler: BDS ENTERPRISES LLC
Driver: DONALD
Truck # 66
Card #
Job Ref #

Ticket #: 700-1280357
Bid #: O6UJ9A000HO7
Date: 3/3/2022
Generator: NOVO OIL & GAS NORTHERN
Generator #:
Well Ser. #: 999908
Well Name: NOVO O PAD
Well #:
Field:
Field #:
Rig: NON-DRILLING
County: EDDY (NM)

Permian Basin

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

20.00 yards

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

- RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste
- RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):
- MSDS Information RCRA Hazardous Waste Analysis Process Knowledge Other (Provide description above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____



NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST (PLEASE PRINT)

Company Man Contact Information

Name: Bryan Hanes

Phone No: 361 658 3126

GENERATOR

NO. 557145

Operator No.
Operators Name: Novo Oil & Gas LLC
Address: 1001 West Larkshire Blvd
City, State, Zip: Oklahoma City, OK 73116
Phone No: 361 658 3126

Permit/RRC No.
Lease/Well Name & No.: Novo O Pad
County:
API No.:
Rig Name & No.:
AFE/PO No.:

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Table with columns for waste types (Oil Based Muds, Cuttings, etc.) and volumes. Includes checkboxes for WASTE GENERATION PROCESS: DRILLING, COMPLETION, PRODUCTION, GATHERING LINES.

NON-EXEMPT E&P Waste/Service Identification and Amount

All non-exempt E&P waste must be analysed and be below the threshold limits for toxicity (TCLP), ignitability, corrosivity and reactivity.

Non-Exempt Other: *please select from Non-Exempt Waste List on back

QUANTITY table with columns: B - BARRELS, L - LIQUID, Y - YARDS, E - EACH. Value 20 is written in YARDS.

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste load is (Check the appropriate classification)

- RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended.
MSDS Information
RCRA Hazardous Waste Analysis
Other (Provide Description Below)

EMERGENCY NON-OILFIELD: Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety (the order, documentation of non-hazardous waste determination and a description of the waste must accompany this form)

Signature: Minnie Gonzalez on behalf of Novo Oil & Gas, Date: 3/3/2022

TRANSPORTER

Transporter's Name: BDS ENTERPRISE
Address: 1705 E. Green, Carlsbad, NM
Phone No: 575-689-5324

Driver's Name: DONALD BUTER
Print Name: DONALD BUTER
Phone No.:
Truck No.: 606

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.
3-2-22 Donald Buter, 3-2-22 Donald Buter

TRUCK TIME STAMP

DISPOSAL FACILITY

RECEIVING AREA

IN: OUT: Name/No. 28

Site Name/ Permit No.: Halfway Facility / NM1-526
Address: 6601 Hobbs Hwy US 67/180 Mile Marker 56 Carlsbad, NM 88220
Phone No.: 575-393-1079

NORM READINGS TAKEN? (Circle One) YES NO
PASS THE PAINT FILTER TEST? (Circle One) YES NO

TANK BOTTOMS

Table for Tank Bottoms with columns: Feet, Inches, BS&W/BBLs Received, Free Water, Total Received, BS&W (%)

I hereby certify that the above load material has been (circle one) ACCEPTED DENIED
Signature: Lee, Date: 3/3/22



Customer:	NOVO OIL & GAS NORTHERN	Ticket #:	700-1280394
Customer #:	CRI4317	Bid #:	O6UJ9A000HO7
Ordered by:	BRYAN HANEY	Date:	3/3/2022
AFE #:		Generator:	NOVO OIL & GAS NORTHERN
PO #:		Generator #:	
Manifest #:	557146	Well Ser. #:	999908
Manif. Date:	3/3/2022	Well Name:	NOVO O PAD
Hauler:	2S TRUCKING LLC	Well #:	
Driver:	JULIAN	Field:	
Truck #:	S5	Field #:	
Card #:		Rig:	NON-DRILLING
Job Ref #:		County:	EDDY (NM)

Permian Basin

Facility: CRI

Product / Service	Quantity	Units
Contaminated Soil (RCRA Exempt)	20.00	yards

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

- RCRA Exempt: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste
- RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):
- MSDS Information RCRA Hazardous Waste Analysis Process Knowledge Other (Provide description above)

Driver/ Agent Signature	R360 Representative Signature
--------------------------------	--------------------------------------

JULIAN URAJDA

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____ *[Signature]*



(PLEASE PRINT)

Company Man Contact Information

Name: Brent Hervey
Phone No: 361 658 3126

GENERATOR

NO. 557146

Operator No. _____
Operator's Name: NOVO OIL & GAS LLC
Address: 1001 West Wilshire Blvd
City, State, Zip: OKLAHOMA CITY OK 73114
Phone No.: 361 658 3126

Permit/RRC No. Lease/Well Name & No.: NOVO O PAD
County: _____
API No.: _____
Rig Name & No.: N/A
AFE/PO No.: _____

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds	NON-INJECTABLE WATERS	INJECTABLE WATERS
Oil Based Cuttings	Washout Water (Non-injectable)	Washout Water (Injectable)
Water Based Muds	Completion Fluid/Flow back (Non-Injectable)	Completion Fluid/Flow back (Injectable)
Water Based Cuttings	Produced Water (Non-injectable)	Produced Water (Injectable)
Produced Formation Solids	Gathering Line Water/Waste (Non-Injectable)	Gathering Line Water/Waste (Injectable)
Tank Bottoms	INTERNAL USE ONLY	OTHER EXEMPT-WASTES (type and generation process of the waste)
E&P Contaminated Soil	Truck Washout (exempt waste)	
Gas Plant Waste		

WASTE GENERATION PROCESS: DRILLING COMPLETION PRODUCTION GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount
All non-exempt E&P waste must be analysed and be below the threshold limits for toxicity (TCLP), ignitability, Corrosivity and Reactivity.

Non-Exempt Other _____ *please select from Non-Exempt Waste List on back

QUANTITY B - BARRELS L - LIQUID 20 Y - YARDS E - EACH

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste load is (Check the appropriate classification)

- RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
- RCRA NON-EXEMPT: Oil field waste which is non hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)
 - MSDS Information
 - RCRA Hazardous Waste Analysis
 - Other (Provide Description Below)

EMERGENCY NON-DILUTE: Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety (the order, documentation of non-hazardous waste determination and a description of the waste must accompany this form)

Julian Uranda on behalf of NOVO OIL & GAS DATE 3/3/22 SIGNATURE _____

TRANSPORTER

Transporter's Name: ZS Trucking
Address: 1207 HOBI RD
Phone No.: 575 725-1332

Driver's Name: JULIAN URAUDA
Print Name: JULIAN URAUDA
Phone No.: _____
Truck No.: 55

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.
SHIPMENT DATE: 3-3-22 DRIVER'S SIGNATURE: JULIAN URAUDA DELIVERY DATE: 3-3-22 DRIVER'S SIGNATURE: JULIAN URAUDA

TRUCK TIME STAMP

DISPOSAL FACILITY

RECEIVING AREA

IN: _____ OUT: _____ Name/No. 28

Site Name/ Permit No.: Halfway Facility / NM1 006 Phone No.: 575-393-1074
Address: 6601 Hobbs Hwy US 62/180 Mile Marker 66 Carlisid, NM 88220

NORM READINGS TAKEN? (Circle One) YES NO If YES, was reading > 50 micro roentgens? (circle one) YES NO
PASS THE PAINT FILTER TEST? (Circle One) YES NO

TANK BOTTOMS

1st Gauge	Feet	inches	BS&W/BBLS Received	BS&W (%)
2nd Gauge			Free Water	
Received			Total Received	

I hereby certify that the above load material has been (circle one) ACCEPTED DENIED AN If denied, why? _____
NAME (PRINT): Julian Uranda TITLE: _____ SIGNATURE: _____



ENVIRONMENTAL SOLUTIONS

Permian Basin

Customer:	NOVO OIL & GAS NORTHERN	Ticket #:	700-1280405
Customer #:	CRI4317	Bid #:	O6UJ9A000HO7
Ordered by:	BYRON HANEY	Date:	3/3/2022
AFE #:		Generator:	NOVO OIL & GAS NORTHERN
PO #:		Generator #:	
Manifest #:	557147	Well Ser. #:	999908
Manif. Date:	3/3/2022	Well Name:	NOVO O PAD
Hauler:	2S TRUCKING LLC	Well #:	
Driver:	EDUARDO	Field:	
Truck #:	S10	Field #:	
Card #:		Rig:	NON-DRILLING
Job Ref #:		County:	EDDY (NM)

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

20.00 yards

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

- RCRA Exempt: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste
- RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):
- MSDS Information RCRA Hazardous Waste Analysis Process Knowledge Other (Provide description above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____



(PLEASE PRINT)

Company Man Contact Information

Name: Bryan Haray
Phone No.: 361 658 3126

GENERATOR

NO. 557147

Operator No. _____
Operator's Name: Novo Oil & Gas LLC
Address: 1001 West Wilshire Blvd
City, State, Zip: Oklahoma City OK 73116
Phone No.: 361 658 3126

Permit/RRC No. _____
Lease/Well Name & No. _____
County _____
API No. _____
Rig Name & No. _____
AFE/PO No. _____

Novo O Pad

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)		
Oil Based Muds	NON-INJECTABLE WATERS	INJECTABLE WATERS
Oil Based Cuttings	Washout Water (Non-injectable)	Washout Water (Injectable)
Water Based Muds	Completion Fluid/Flow back (Non-injectable)	Completion Fluid/Flow back (Injectable)
Water Based Cuttings	Produced Water (Non-injectable)	Produced Water (Injectable)
Produced Formation Solids	Gathering Line Water/Waste (Non-injectable)	Gathering Line Water/Waste (Injectable)
Tank Bottoms	INTERNAL USE ONLY	OTHER EXEMPT WASTES (type and generation process of the waste)
E&P Contaminated Soil	Truck Washout (exempt waste)	
Gas Plant Waste		

WASTE GENERATION PROCESS: DRILLING COMPLETION PRODUCTION GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount			
All non-exempt E&P waste must be analysed and be below the threshold limits for toxicity (TCIP), ignitability, Corrosivity and Reactivity.			
Non-Exempt Other	*please select from Non-Exempt Waste List on back		
QUANTITY	B - BARRELS	L - LIQUID	E - EACH

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste load is (Check the appropriate classification)

RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)

RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

MSDS Information RCRA Hazardous Waste Analysis Other (Provide Description Below)

EMERGENCY NON-OILFIELD: Emergency non-hazardous, non oilfield waste that has been ordered by the Department of Public Safety (the order, documentation of non-hazardous waste determination and a description of the waste must accompany this form)

Walter J. ... on behalf of ... 3/3/2022
(PRINT) AUTHORIZED AGENT'S NAME DATE SIGNATURE

TRANSPORTER

Transporter's Name: 25 Trucking Co
Address: 1207 HOPI RD
Phone No.: 575 725 1332

Driver's Name: EDUARDO TINAJERO
Print Name: EDUARDO TINAJERO
Phone No. _____
Truck No.: 510

I hereby certify that the above named material(s) was/were loaded up at the Generator's site listed above and delivered without incident to the disposal facility listed below

3-3-22 [Signature] 3-3-22 [Signature]
SHIPMENT DATE DRIVER'S SIGNATURE DELIVERY DATE DRIVER'S SIGNATURE

TRUCK TIME STAMP	DISPOSAL FACILITY	RECEIVING AREA
IN: _____ OUT: _____		Name/No. <u>28</u>

Site Name/ Permit No.: Halfway Facility / NM1-406
Address: 6601 Hobbs Hwy US 62/130 Mile Marker 66 Carlsbad, NM 88220
Phone No.: 575-393-1079

NORM READINGS TAKEN? (Circle One) YES NO
PASS THE PAINT FILTER TEST? (Circle One) YES NO

TANK BOTTOMS

	Feet	Inches	BS&W/BBLS Received	BS&W (%)
1st Gauge				
2nd Gauge				
Received			Free Water	
			Total Received	

I hereby certify that the above load material has been (circle one): ACCEPTED DENIED If denied, why? _____

[Signature] 3/3/22 [Signature]
NAME (PRINT) DATE TITLE SIGNATURE



Customer: NOVO OIL & GAS NORTHERN
 Customer #: CRI4317
 Ordered by: BRYAN HANEY
 AFE #:
 PO #:
 Manifest #: 557148
 Manif. Date: 3/3/2022
 Hauler: 2S TRUCKING LLC
 Driver: SERGIO
 Truck #: 59
 Card #
 Job Ref #

Ticket #: 700-1280409
 Bid #: O6UJ9A000HO7
 Date: 3/3/2022
 Generator: NOVO OIL & GAS NORTHERN
 Generator #:
 Well Ser. #: 999908
 Well Name: NOVO O PAD
 Well #:
 Field:
 Field #:
 Rig: NON-DRILLING
 County: EDDY (NM)

Permian Basin

Facility: CRI

Product / Service	Quantity	Units
Contaminated Soil (RCRA Exempt)	20.00	yards

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

- RCRA Exempt: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste
- RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):
- MSDS Information RCRA Hazardous Waste Analysis Process Knowledge Other (Provide description above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____

NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST (PLEASE PRINT)

Company Main Contact Information



Name: Bryan Huxey Phone No: 361-658-3126

GENERATOR

NO. 557148

Operator No. Operators Name: NOV OIL & GAS LLC Address: 100 West Wilshire Blvd City, State, Zip: Oklahoma City OK 73116 Phone No: 361 658 3126

Permit/RRC No. Lease/Well Name & No.: NOV O Pad County: W/A AFI No. Rig Name & No. AFE/PO No.

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Table with columns for waste types (Oil Based Muds, Water Based Muds, etc.) and sub-categories (NON-INJECTABLE WATERS, INTERNAL USE ONLY, etc.)

WASTE GENERATION PROCESS: [X] DRILLING [] COMPLETION [] PRODUCTION [] GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount

All non-exempt E&P waste must be analysed and be below the threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other: *please select from Non-Exempt Waste List on back QUANTITY: 20 Y - YARD

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste load is (Check the appropriate classification)

- RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
RCRA NON-EXEMPT: Oil field waste which is non hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended.
MSDS Information
RCRA Hazardous Waste Analysis
Other (Provide Description Below)

EMERGENCY NON-OILFIELD: Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety (the order, documentation of non-hazardous waste determination and a description of the waste must accompany this form)

Authorized Agent Name: [Signature] DATE: 3/3/2022 SIGNATURE: [Signature]

TRANSPORTER

Transporter's Name: 25 TRUKING Address: 1207 HOPI RD Phone No: 575 725 1332

Driver's Name: Sergio Tinajero Print Name: Sergio Tinajero Phone No. Truck No.: 59

I hereby certify that the above named material was picked up at the Generator site listed above and delivered without incident to the disposal facility listed below. SHIPMENT DATE: 3-3-22 DELIVERY DATE: 3-3-22

TRUCK TIME STAMP

DISPOSAL FACILITY

RECEIVING AREA

IN: OUT: Name/No.: 28

Site Name/ Permit No.: Hallway Facility / NM1-006 Address: 6601 Hobbs Hwy US 62/180 Mile Marker 66 Carlsbad, NM 88520 Phone No: 575-393-1079

NORM READINGS TAKEN? (Circle One) YES NO If YES, was reading > 50 micro roentgens? (circle one) YES NO PASS THE PAINT FILTER TEST? (Circle One) YES NO

TANK BOTTOMS

Table for Tank Bottoms with columns for Gauge (1st, 2nd), Received, Feet, Inches, BS&W/BBLS Received, Free Water, Total Received, BS&W (%)

I hereby certify that the above described material has been (circle one) ACCEPTED DENIED If denied, why? [Signature]



Permian Basin

Customer:	NOVO OIL & GAS NORTHERN	Ticket #:	700-1280422
Customer #:	CRI4317	Bid #:	O6UJ9A000HO7
Ordered by:	BRYAN HANEY	Date:	3/3/2022
AFE #:		Generator:	NOVO OIL & GAS NORTHERN
PO #:		Generator #:	
Manifest #:	557149	Well Ser. #:	999908
Manif. Date:	3/3/2022	Well Name:	NOVO O PAD
Hauler:	2S TRUCKING LLC	Well #:	
Driver:	JOSE	Field:	
Truck #:	S22	Field #:	
Card #:		Rig:	NON-DRILLING
Job Ref #:		County:	EDDY (NM)

Facility: CRI

Product / Service	Quantity	Units
Contaminated Soil (RCRA Exempt)	20.00	yards

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

- RCRA Exempt: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste
- RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):
- MSDS Information RCRA Hazardous Waste Analysis Process Knowledge Other (Provide description above)

Driver/ Agent Signature	R360 Representative Signature
--------------------------------	--------------------------------------

_____	_____
-------	-------

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: Jose [Signature]

Date: _____



NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST (PLEASE PRINT)

Company Man Contact Information

Name: Bryan Hana Phone No: 361 658 3126

GENERATOR

NO. 557149

Operator No. Operators Name: Nova Oil & Gas LLC Address: #61001 West Wild Horse Blvd City, State, Zip: Deltona, FL 32116 Phone No: 361 658 3126

Permit/RRC No. Lease/Well Name & No.: NOVO 0 Paed County: W/A API No. Rig Name & No. AFE/PO No.

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Table with columns for waste types (Oil Based Muds, Water Based Muds, etc.) and checkboxes for identification and amount.

WASTE GENERATION PROCESS: [X] DRILLING [] COMPLETION [] PRODUCTION [] GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount

All non-exempt E&P waste must be analysed and be below the threshold limits for toxicity (TCLP), ignitability, Corrosivity and Reactivity.

Non-Exempt Other: *please select from Non-Exempt Waste List on back

QUANTITY: B - BARRELS L - LIQUID 20 YARDS E - EACH

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste load is (Check the appropriate classification)

- RCRA EXEMPT: [X] Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste... RCRA NON-EXEMPT: [] Oil field waste which is non-hazardous that does not exceed the minimum standards... MSDS Information [] RCRA Hazardous Waste Analysis [] Other (Provide Description Below) []

EMERGENCY NON-OILFIELD: [] Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety (the order, documentation of non-hazardous waste determination and a description of the waste must accompany this form)

Signature: Michael Gonzalez on behalf of NOVA OIL & GAS DATE: 3/4/2022 SIGNATURE: [Signature]

TRANSPORTER

Transporter's Name: 25 Trucking Address: 1207 HOPI RD Phone No: 575 725 1382

Driver's Name: Jose Castanon Print Name: Jose Castanon Phone No. Truck No: 511

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE: 3-3-22 DRIVER'S SIGNATURE: [Signature] DELIVERY DATE: 3-3-22 DRIVER'S SIGNATURE: [Signature]

TRUCK TIME STAMP

DISPOSAL FACILITY

RECEIVING AREA

IN: OUT: Name/No.: 28

Site Name/Permit No.: Halfway Facility / NM1-006 Address: 6601 Hobbs Hwy US 62/180 Mile Marker 66 Carlsbad, NM 88820 Phone No.: 575-393-1079

NORM READINGS TAKEN? (Circle One) YES [X] NO [] If YES, was reading > 50 micro roentgens? (circle one) YES [] NO [] PASS THE PAINT FILTER TEST? (Circle One) YES [] NO [X]

TANK BOTTOMS

Table for Tank Bottoms with columns for Gauge (1st, 2nd), Received, Feet, Inches, BS&W/BBLS Received, Free Water, Total Received, BS&W (%).

I hereby certify that the above load material has been (circle one): ACCEPTED [X] DENIED [] If denied, why?

Signature: [Signature] DATE: 3/3 TITLE: [Signature] SIGNATURE: [Signature]



Permian Basin

Customer: NOVO OIL & GAS NORTHERN
Customer #: CRI4317
Ordered by: BRYAN HENSLEY
AFE #:
PO #:
Manifest #: 557150
Manif. Date: 3/3/2022
Hauler: BDS ENTERPRISES LLC
Driver: DONALD
Truck #: 66
Card #
Job Ref #

Ticket #: 700-1280428
Bid #: O6UJ9A000HO7
Date: 3/3/2022
Generator: NOVO OIL & GAS NORTHERN
Generator #:
Well Ser. #: 999908
Well Name: NOVO O PAD
Well #:
Field:
Field #:
Rig: NON-DRILLING
County: EDDY (NM)

Facility: CRI

Product / Service	Quantity	Units
Contaminated Soil (RCRA Exempt)	20.00	yards

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

- RCRA Exempt: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste
- RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):
 - MSDS Information
 - RCRA Hazardous Waste Analysis
 - Process Knowledge
 - Other (Provide description above)

Driver/Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____



(PLEASE PRINT)

Name Byron Hervey
Phone No. 361-658 3126

GENERATOR

NO. 557150

Operator No. _____
Operator's Name Noro Oil & Gas LLC
Address 1001 West Wilson Blvd
City, State, Zip Oklahoma City OK 73116
Phone No. 361-658 3126

Permit/RRC No. _____
Lease/Well Name & No. Noro O pad
County _____
API No. _____
Rig Name & No. _____
AFE/PO No. _____

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds	NON-INJECTABLE WASTES	INJECTABLE WASTES
Oil Based Cuttings	Washout Water (Non-Injectable)	Washout Water (Injectable)
Water Based Muds	Completion Fluid/Flow back (Non-Injectable)	Completion Fluid/Flow back (Injectable)
Water Based Cuttings	Produced Water (Non-Injectable)	Produced Water (Injectable)
Produced Formation Solids	Gathering Line Water/Waste (Non-Injectable)	Gathering Line Water/Waste (Injectable)
Tank Bottoms	INTERNAL USE ONLY	OTHER EXEMPT WASTES (type and generation process of the waste)
E&P Contaminated Soil	Truck Washout (exempt waste)	
Gas Plant Waste		

WASTE GENERATION PROCESS: DRILLING COMPLETION PRODUCTION GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount

All non-exempt E&P waste must be analysed and be below the threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other _____ *please select from Non-Exempt Waste List on back

QUANTITY B - BARRELS L - LIQUID 20 Y - YARDS E - EACH

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste load is (Check the appropriate classification)

- RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
- RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)
 - MSDS Information
 - RCRA Hazardous Waste Analysis
 - Other (Provide Description Below)

EMERGENCY NON-OILFIELD: Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety (the order, documentation of non-hazardous waste determination and a description of the waste must accompany this form)

Mark Gonzales on behalf of Noro Oil & Gas 3/3/2022
(PRINT) AUTHORIZED AGENT'S NAME DATE SIGNATURE

TRANSPORTER

Transporter's Name BDS ENTERPRISE
Address 1705 E. Green St - Comer
Phone No. 575-689-8324

Driver's Name Donald Buter
Print Name DONALD BUTER
Phone No. _____
Truck No. 666

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.
3-3-22 Donald Buter 3-3-22 Donald Buter
SHIPMENT DATE DRIVER'S SIGNATURE DELIVERY DATE DRIVER'S SIGNATURE

TRUCK TIME STAMP

DISPOSAL FACILITY

RECEIVING AREA

IN: _____ OUT: _____ Name/No. _____

Site Name/ Permit No. Halfway Facility / NM1-006 Phone No. 575-393-1079
Address 6601 Hobbs Hwy US 62/130 Mile Marker 66 Carlsbad, NM 88220

NORM READINGS TAKEN? (Circle One) YES (12) NO _____ If YES, was reading > 50 micro roentgens? (circle one) YES _____ NO _____
PASS THE PAINT FILTER TEST? (Circle One) YES (12) NO _____

TANK BOTTOMS

1st Gauge	Feet	Inches	BS&W/BBLs Received	BS&W (%)
2nd Gauge			Free Water	
Received			Total Received	

I hereby certify that the above load material has been (circle one): ACCEPTED DENIED If denied, why? DO
ADominguez 3-3-22 Rec DO
NAME (PRINT) DATE FILE SIGNATURE



Customer: NOVO OIL & GAS NORTHERN
Customer #: CRI4317
Ordered by: BRYAN HENSEY
AFE #:
PO #:
Manifest #: 557152
Manif. Date: 3/4/2022
Hauler: 2S TRUCKING LLC
Driver: JULIAN
Truck #: 55
Card #
Job Ref #

Ticket #: 700-1280696
Bid #: O6UJ9A000HO7
Date: 3/4/2022
Generator: NOVO OIL & GAS NORTHERN
Generator #:
Well Ser. #: 999908
Well Name: NOVO O PAD
Well #:
Field:
Field #:
Rig: NON-DRILLING
County: EDDY (NM)

Permian Basin

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

20.00 yards

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

- RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste
- RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):
 - MSDS Information
 - RCRA Hazardous Waste Analysis
 - Process Knowledge
 - Other (Provide description above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____



NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST (PLEASE PRINT)

Company Man Contact Information

Name: Bryant Hance Phone No: 361 658 3126

GENERATOR

NO. 557152

Operator No. Operators Name: Rovo & Gas Address: 1001 West Wilshire Blvd City, State, Zip: Oklahoma City OK 73116 Phone No.: 361 658 3126

Permit/RRC No. Lease/Well Name & No.: NOVO 0 PAD County: API No.: Rig Name & No.: AFE/PO No.:

Table with columns for waste types (Oil Based Muds, Water Based Muds, etc.) and checkboxes for generation processes (Drilling, Completion, Production, Gathering Lines).

NON-EXEMPT E&P Waste/Service Identification and Amount. All non-exempt E&P waste must be analysed and be below the threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

QUANTITY B - BARRELS L - LIQUID 20 Y - YARDS E - EACH

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste load is (Check the appropriate classification)

- RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operations... RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards... MSDS Information, RCRA Hazardous Waste Analysis, Other (Provide Description Below)

EMERGENCY NON-OILFIELD: Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety... (PRINT) AUTHORIZED AGENTS NAME: Alberto Gonzalez on behalf of Rovo & Gas DATE: 3/4/2022 SIGNATURE: [Signature]

TRANSPORTER

Transporter's Name: ZS Trucking Address: 1207 Hopi Rd Phone No.: 575 725-1332

Driver's Name: JULIAN URANDA Print Name: JULIAN URANDA Phone No.: Truck No.: 55

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below. SHIPMENT DATE: 3-4-22 DRIVER'S SIGNATURE: JULIAN URANDA DELIVERY DATE: 3-4-22 DRIVER'S SIGNATURE: JULIAN URANDA

Table with columns: TRUCK TIME STAMP (IN, OUT), DISPOSAL FACILITY (Name, Address, Phone No.), RECEIVING AREA (Name/No.).

TANK BOTTOMS

Table for Tank Bottoms with columns: Feet, Inches, BS&W/BBLS Received, Free Water, Total Received, BS&W (%)

I hereby certify that the above load material has been (circle one): ACCEPTED DENIED If denied, why? [Signature: Domingo] DATE: 3-4-22 TITLE: Rec SIGNATURE: [Signature]



Permian Basin

Customer:	NOVO OIL & GAS NORTHERN	Ticket #:	700-1280704
Customer #:	CRI4317	Bid #:	O6UJ9A000HO7
Ordered by:	BRYAN HANEY	Date:	3/4/2022
AFE #:		Generator:	NOVO OIL & GAS NORTHERN
PO #:		Generator #:	
Manifest #:	557151	Well Ser. #:	999908
Manif. Date:	3/4/2022	Well Name:	NOVO O PAD
Hauler:	2S TRUCKING LLC	Well #:	
Driver:	EDUARDO	Field:	
Truck #:	S 10	Field #:	
Card #:		Rig:	NON-DRILLING
Job Ref #:		County:	EDDY (NM)

Facility: CRI

Product / Service	Quantity Units
Contaminated Soil (RCRA Exempt)	20.00 yards

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

- RCRA Exempt: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste
- RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):
- MSDS Information RCRA Hazardous Waste Analysis Process Knowledge Other (Provide description above)

Driver/ Agent Signature	R360 Representative Signature
--------------------------------	--------------------------------------

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____



(PLEASE PRINT)

Company/Person Contact Information

Name: Ed Dyer/Honey
Phone No: 361 658 3126

GENERATOR

NO. 557151

Operator No. _____
Operator's Name: Novo Oil & Gas LLC
Address: 1801 West Wilshire Blvd
City, State, Zip: Oklahoma City OK 73116
Phone No: 361 658 3126

Permit/RRC No., Lease/Well Name & No: Novo 0 Pad
County: _____
API No: _____
Reg Name & No: W/A
AFL/PO No: _____

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds	NON-INJECTABLE WATERS	INJECTABLE WATERS
Oil Based Cuttings	Washout Water (Non-Injectable)	Washout Water (Injectable)
Water Based Muds	Completion Fluid/Flow back (Non-Injectable)	Completion Fluid/Flow back (Injectable)
Water Based Cuttings	Produced Water (Non-Injectable)	Produced Water (Injectable)
Produced Formation Solids	Gathering Line Water/Waste (Non-Injectable)	Gathering Line Water/Waste (Injectable)
Tank Bottoms	INTERNAL USE ONLY	OTHER EXEMPT WASTES (type and generation process of the waste)
E&P Contaminated Soil	Truck Washout (exempt waste)	
Gas Plant Waste		

WASTE GENERATION PROCESS: DRILLING COMPLETION PRODUCTION GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount

All non-exempt E&P waste must be analysed and be below the threshold limits for toxicity (TCLP), ignitability, Corrosivity and Reactivity.

Non-Exempt Other: _____ *please select from Non-Exempt Waste List on back

QUANTITY	B - BARRELS	L - LIQUID	Y - YARDS	E - EACH
		<u>20</u>		

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste load is (Check the appropriate classification)

- RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
- RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)
 - MSDS Information
 - RCRA Hazardous Waste Analysis
 - Other (Provide Description Below)

EMERGENCY NON-OILFIELD: Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety (the order, documentation of non-hazardous waste determination and a description of the waste must accompany this form)

Whitney Dyer on behalf of Novo Oil & Gas 3/4/2022
(PRINT) AUTHORIZED AGENT'S NAME DATE SIGNATURE

TRANSPORTER

Transporter's Name: ZS Trucking
Address: 1207 HOPE RD
Phone No: 575 725 1332

Driver's Name: Eduardo Tinajero
Print Name: Eduardo Tinajero
Phone No: _____
Truck No: 510

I hereby certify that the above named material(s) was/were not listed at the Generator's site listed above and delivered without incident to the disposal facility listed below.

3-4-22 SHIPMENT DATE [Signature] DRIVER'S SIGNATURE 3-4-22 DELIVERY DATE [Signature] DRIVER'S SIGNATURE

TRUCK TIME STAMP

DISPOSAL FACILITY

RECEIVING AREA

IN: _____ OUT: _____ Name/No. 28

Site Name/Permit No: Halfway Facility / NM1-006 Phone No: 575-393-1079
Address: 6601 Hobbs Hwy US 62/180 Mile Marker 66 Carlsbad, NM 88220

NORM READINGS TAKEN? (Circle One) YES NO If YES, was reading > 50 micro roentgens? (circle one) YES NO
PASS THE PAINT FILTER TEST? (Circle One) YES NO

TANK BOTTOMS

1st Gauge	Feet	Inches	BS&W/BBLS Received	BS&W (%)
2nd Gauge			Free Water	
Received			Total Received	

I hereby certify that the above load material has been (circle one): ACCEPTED DENIED If denied, why? [Signature]
[Signature] NAME (PRINT) 3/4 DATE [Signature] FILE [Signature] SIGNATURE



Customer: NOVO OIL & GAS NORTHERN
 Customer #: CRI4317
 Ordered by: BRAN HENSLEY
 AFE #:
 PO #:
 Manifest #: 557153
 Manif. Date: 3/4/2022
 Hauler: 2S TRUCKING LLC
 Driver: SERGIO
 Truck #: S9
 Card #
 Job Ref #

Ticket #: 700-1280705
 Bid #: O6UJ9A000HO7
 Date: 3/4/2022
 Generator: NOVO OIL & GAS NORTHERN
 Generator #:
 Well Ser. #: 999908
 Well Name: NOVO O PAD
 Well #:
 Field:
 Field #:
 Rig: NON-DRILLING
 County: EDDY (NM)

Permian Basin

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

20.00 yards

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

- RCRA Exempt: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste
- RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):
 - MSDS Information
 - RCRA Hazardous Waste Analysis
 - Process Knowledge
 - Other (Provide description above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____



(PLEASE PRINT)

Company Man Contact Information

Name: Bryan Hanson

Phone No: 361 658 3126

GENERATOR

NO. 557153

Operator No. _____
Operator's Name: Novo Oil & Gas LLC
Address: 100 West Wilshire Blvd
Delaware City OK 73116
City, State, Zip
Phone No: 361 658 3126

Permit/RRC No. _____
Lease/Well Name & No: NOVO O PA17
County: _____
API No. _____
Rig Name & No. _____
AFE/PO No. _____

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds	NON-INJECTABLE WATERS	INJECTABLE WATERS
Oil Based Cuttings	Washout Water (Non-Injectable)	Washout Water (Injectable)
Water Based Muds	Completion Fluid/Flow back (Non-Injectable)	Completion Fluid/Flow back (Injectable)
Water Based Cuttings	Produced Water (Non-Injectable)	Produced Water (Injectable)
Produced Formation Solids	Gathering Line Water/Waste (Non-Injectable)	Gathering Line Water/Waste (Injectable)
Tank Bottoms	INTERNAL USE ONLY	OTHER EXEMPT WASTES (type and generation process of the waste)
E&P Contaminated Soil	Truck Washout (exempt waste)	
Gas Plant Waste		

WASTE GENERATION PROCESS: DRILLING COMPLETION PRODUCTION GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount

All non-exempt E&P waste must be analysed and be below the threshold limits for toxicity (TCLP), ignitability, Corrosivity and Reactivity.

Non-Exempt Other _____ *please select from Non-Exempt Waste List on back

QUANTITY B - BARRELS L - LIQUID 20 Y - YARDS E - EACH

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste load is (Check the appropriate classification)

- RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
- RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached (Check the appropriate items as provided)
 - MSDS Information
 - RCRA Hazardous Waste Analysis
 - Other (Provide Description Below)

EMERGENCY NON-OILFIELD: Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety (the order, documentation of non-hazardous waste determination and a description of the waste must accompany this form)

(PRINT) AUTHORIZED AGENTS NAME: Mark Gonzalez DATE: 3/4/2022 SIGNATURE: _____

TRANSPORTER

Truck No: 25 TRUKING

Driver's Name: SERGIO TINAJERO R

Name: 1207 HOPI RD

Print Name: S-9

Address: _____

Phone No: 575 725 1332

Truck No: _____

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE: 4-3-22 DRIVER'S SIGNATURE: _____ DELIVERY DATE: 4-3-22 DELIVERY SIGNATURE: _____

TRUCK TIME STAMP

IN: _____ OUT: _____

DISPOSAL FACILITY

RECEIVING AREA

Name/No. 28

Site Name/ Permit No. / Address: Halfway Facility / NM1-006 / 6601 Hobbs Hwy US 62/180 Mile Marker 66 Carlsbad, NM 88220

Phone No. 575-393-1079

NORM READINGS TAKEN? (Circle One) YES NO If YES, was reading > 50 micro reantgens? (circle one) YES NO

PASS THE PAINT FILTER TEST? (Circle One) YES NO

TANK BOTTOMS

1st Gauge	Feet	Inches	BS&W/BBLs Received	BS&W (%)
2nd Gauge			Free Water	
Received			Total Received	

I hereby certify that the above load material has been (circle one) ACCEPTED DENIED If denied, why? _____

Signature: A. Dominguez DATE: 3-4-22 FILE: Rec SIGNATURE: _____



Permian Basin

Customer:	NOVO OIL & GAS NORTHERN	Ticket #:	700-1280713
Customer #:	CRI4317	Bid #:	O6UJ9A000HO7
Ordered by:	BRYAN HANEY	Date:	3/4/2022
AFE #:		Generator:	NOVO OIL & GAS NORTHERN
PO #:		Generator #:	
Manifest #:	557154	Well Ser. #:	999908
Manif. Date:	3/4/2022	Well Name:	NOVO O PAD
Hauler:	2S TRUCKING LLC	Well #:	
Driver:	JOSE	Field:	
Truck #:	S-11	Field #:	
Card #:		Rig:	NON-DRILLING
Job Ref #:		County:	EDDY (NM)

Facility: CRI

Product / Service	Quantity	Units
Contaminated Soil (RCRA Exempt)	20.00	yards

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

- RCRA Exempt: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste
- RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):
- MSDS Information RCRA Hazardous Waste Analysis Process Knowledge Other (Provide description above)

Driver/ Agent Signature	R360 Representative Signature
--------------------------------	--------------------------------------

_____	_____
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Customer Approval

THIS IS NOT AN INVOICE!

Approved By: Jose Costumia

Date: _____

NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT)

Company Man Contract information



Name: Bryan Hunsley
Phone No: 361-658-5126

GENERATOR

NO. 557154

Operator No. _____
Operator's Name: Wood Oil & Gas LLC
Address: 1001 West Walnut Street Blvd
City, State, Zip: Oklahoma City OK 73116
Phone No. _____

Permit/RRC No. _____
Lease/Well Name & No. Wood 0 Pad
Country _____
API No. _____
Rig Name & No. Wood Operation of pad
AFE/PO No. N/A

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds	NON-INJECTABLE WATERS	INJECTABLE WATERS
Oil Based Cuttings	Washout Water (Non-Injectable)	Washout Water (Injectable)
Water Based Muds	Completion Fluid/Flow back (Non-Injectable)	Completion Fluid/Flow back (Injectable)
Water Based Cuttings	Produced Water (Non-Injectable)	Produced Water (Injectable)
Produced Formation Solids	Gathering Line Water/Waste (Non-Injectable)	Gathering Line Water/Waste (Injectable)
Tank Bottoms	INTERNAL USE ONLY	OTHER EXEMPT WASTES (type and generation process of the waste)
E&P Contaminated Soil	Truck Washout (exempt waste)	
Gas Plant Waste		

WASTE GENERATION PROCESS: DRILLING COMPLETION PRODUCTION GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount

All non-exempt E&P waste must be analyzed and be below the threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other _____ *please select from Non-Exempt Waste List on back

QUANTITY B - BARRELS L - LIQUID 20 YARDS E - EACH

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste load is (Check the appropriate classification)

- RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
- RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)
 - MSDS Information
 - RCRA Hazardous Waste Analysis
 - Other (Provide Description Below)

EMERGENCY NON-OILFIELD: Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety (the order, documentation of non-hazardous waste determination and a description of the waste must accompany this form)

Michael G. ... on behalf of Wood 5/19/2022
(PRINT) AUTHORIZED AGENT'S NAME DATE SIGNATURE

TRANSPORTER

Transporter's Name: 2-S TRUCKING Driver's Name: Jose G. Lujan
 Address: 1207 NOPIN LIP Print Name: Jose G. Lujan
 Phone No.: 575-725-1337 Truck No.: S-11

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.
3-4-22 Jose G. Lujan 3-4-22 Jose G. Lujan
(SHIPMENT DATE) (DRIVER'S SIGNATURE) (DELIVERY DATE) (DRIVER'S SIGNATURE)

TRUCK TIME STAMP

DISPOSAL FACILITY

RECEIVING AREA

IN: _____ OUT: _____ Name/No. 28

Site Name/Permit No: Halfway Facility / NML 006 Phone No: 575-393-1079
 Address: 6601 Hobbs Hwy US 62/180 Mile Marker 66 Carlshad, NM 88420
 NORM READINGS TAKEN? (Circle One) YES NO If YES, was reading > 50 micro roentgens? (circle one) YES NO
 PASS THE PAINT FILTER TEST? (Circle One) YES NO

TANK BOTTOMS

1st Gauge	Feet	Inches	BS&W/BBLs Received	BS&W (%)
2nd Gauge			Free Water	
Received			Total Received	

I hereby certify that the above load transfer has been (circle one): ACCEPTED DENIED If denied, why: _____
Jose G. Lujan 5/19 Jose G. Lujan
(AGENT (PARTY)) (DATE) (TITLE) (SIGNATURE)



Customer:	NOVO OIL & GAS NORTHERN	Ticket #:	700-1280771
Customer #:	CRI4317	Bid #:	O6UJ9A000HO7
Ordered by:	BRYAN HANEY	Date:	3/4/2022
AFE #:		Generator:	NOVO OIL & GAS NORTHERN
PO #:		Generator #:	
Manifest #:	557156	Well Ser. #:	999908
Manif. Date:	3/4/2022	Well Name:	NOVO O PAD
Hauler:	2S TRUCKING LLC	Well #:	
Driver:	SERGIOO	Field:	
Truck #:	59	Field #:	
Card #:		Rig:	NON-DRILLING
Job Ref #:		County:	EDDY (NM)

Permian Basin

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

20.00 yards

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

- RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste
- RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):
- MSDS Information RCRA Hazardous Waste Analysis Process Knowledge Other (Provide description above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____



NEW MEXICO NON-HAZARDOUS OIL FIELD WASTE MANIFEST (PLEASE PRINT)

Company Man Contact Information

Name Bryan Honey

Phone No. 361 658 3126

GENERATOR

NO. 557156

Operator No. _____
Operator's Name NOVO OIL & GAS LLC
Address 100 West Wilshire Blvd
City, State, Zip Chattanooga TN 37416
Phone No. 361 658 3126

Permit/BRC No. _____
Lease/Well Name & No. NOVO O PAD
County _____
API No. _____
Reg Name & No. _____
API/PO No. _____

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds	NON-INJECTABLE WATERS	INJECTABLE WATERS
Oil Based Cuttings	Washout Water (Non-Injectable)	Washout Water (Injectable)
Water Based Muds	Completion Fluid/Flow back (Non-Injectable)	Completion Fluid/Flow back (Injectable)
Water Based Cuttings	Produced Water (Non-Injectable)	Produced Water (Injectable)
Produced Formation Solids	Gathering Line Water/Waste (Non-Injectable)	Gathering Line Water/Waste (Injectable)
Tank Bottoms	INTERNAL USE ONLY	OTHER EXEMPT WASTES (type and generation process of the waste)
E&P Contaminated Soil	Truck Washout (exempt waste)	
Gas Plant Waste		

WASTE GENERATION PROCESS: DRILLING COMPLETION PRODUCTION GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount

All non-exempt E&P waste must be analysed and be below the threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other _____ *please select from Non-Exempt Waste List on back

QUANTITY B - BARRELS L - LIQUID Y - YARDS E - EACH

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste load is (Check the appropriate classification)

- RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
- RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)
 - MSDS Information
 - RCRA Hazardous Waste Analysis
 - Other (Provide Description Below)

EMERGENCY NON-OILFIELD: Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety (the order, documentation of non-hazardous waste determination and a description of the waste must accompany this form)

Michael Gonzalez on behalf of NOVO OIL & GAS 3/4/2022
(PRINT) AUTHORIZED AGENT'S NAME DATE SIGNATURE

25 TRUCKING TRANSPORTER

Transporter's Name 1207 HOPI RD Driver's Name SERGIO TINAJERO R
Address _____ Print Name SA
Phone No. 575 725 1332 Truck No. 575 725 1332

I hereby certify that the above named material(s) was/were picked up at the generator's site listed above and delivered without incident to the disposal facility listed below.

4-3-22 4-3-22
DEPARTURE DATE DRIVER'S SIGNATURE DELIVERY DATE DRIVER'S SIGNATURE

TRUCK TIME STAMP

DISPOSAL FACILITY

RECEIVING AREA

IN: _____ OUT: _____ Name/No. 28

Site Name/ Permit No. Halfway Facility / NM1-006 Phone No. 575-393-1079
Address 6601 Hobbs Hwy US G2/180 Mile Marker 66 Carlsbad, NM 88220

NORM READINGS TAKEN? (Circle One) YES NO If YES, was reading > 50 micro roentgens? (circle one) YES NO
PASS THE PAINT FILTER TEST? (Circle One) YES NO

TANK BOTTOMS

1st Gauge	Feet	Inches	BS&W/BBLs Received	BS&W (%)
2nd Gauge			Free Water	
Received			Total Received	

I hereby certify that the above load material has been (circle one) ACCEPTED DENIED If denied, why? _____

SA 3/4/22 SA
TITLE DATE TITLE SIGNATURE



Customer:	NOVO OIL & GAS NORTHERN	Ticket #:	700-1280773
Customer #:	CRI4317	Bid #:	O6UJ9A000HO7
Ordered by:	BRYAN HANEY	Date:	3/4/2022
AFE #:		Generator:	NOVO OIL & GAS NORTHERN
PO #:		Generator #:	
Manifest #:	557155	Well Ser. #:	999908
Manif. Date:	3/4/2022	Well Name:	NOVO O PAD
Hauler:	2S TRUCKING LLC	Well #:	
Driver:	EDUARDO	Field:	
Truck #:	510	Field #:	
Card #:		Rig:	NON-DRILLING
Job Ref #:		County:	EDDY (NM)

Permian Basin

Facility: CRI

Product / Service	Quantity	Units
Contaminated Soil (RCRA Exempt)	20.00	yards

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

- RCRA Exempt: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste
- RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):
 - MSDS Information
 - RCRA Hazardous Waste Analysis
 - Process Knowledge
 - Other (Provide description above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____

NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST (PLEASE PRINT)

Company Man Contact Information



Name: Byron Henry Phone No: 361 658 3126

GENERATOR

NO. 557155

Operator No. Operators Name: Novo Oil & Gas LLC Address: 100 West Wilshire Blvd City, State, Zip: Oklahoma City Oklahoma 73116 Phone No: 361 658 - 3126

Permit/RRC No. Lease/Well Name & No. County. API No. Rig Name & No. AFE/PO No. Novo Decision of oil

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Table with columns for waste types (Oil based Muds, Oil Based Cuttings, Water Based Muds, etc.) and categories (NON-INJECTABLE WATERS, INTERNAL USE ONLY, INJECTABLE WATERS, OTHER EXEMPT WASTES). Includes checkboxes for DRILLING, COMPLETION, PRODUCTION, GATHERING LINES.

NON-EXEMPT E&P Waste/Service Identification and Amount

All non-exempt E&P waste must be analysed and be below the threshold limits for toxicity (TCLP), ignitability, Corrosivity and Reactivity.

QUANTITY B - BARRELS L - LIQUID Y - YARDS E - EACH

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste load is (Check the appropriate classification)

- RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended.
MSDS Information, RCRA Hazardous Waste Analysis, Other (Provide Description Below)

EMERGENCY NON-OILFIELD: Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety (the order, documentation of non-hazardous waste determination and a description of the waste must accompany this form)

Signature and Date of Authorized Agent: Eduardo Tinajero, 3/4/2022

TRANSPORTER

Transporter's Name: 25 Trucking Address: 1207 HOPI RD Phone No: 575 725 1331 Driver's Name: Eduardo Tinajero Print Name: Eduardo Tinajero Phone No: Truck No: 510

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below

SHIPMENT DATE: 3-4-22 DRIVER'S SIGNATURE: [Signature] DATE: 3-4-22 DRIVER'S SIGNATURE: [Signature]

TRUCK TIME STAMP

DISPOSAL FACILITY

RECEIVING AREA

IN: OUT: Name/No. 28

Site Name/Permit No. Hallway Facility / NM1-006 Address: 6601 Hobbs Hwy US 62/180 Mile Marker 66 Carlsbad, NM 88220 Phone No. 575-393-1075

NORM READINGS TAKEN? (Circle One) YES NO If YES, was reading > 50 micro roentgens? (circle one) YES NO PASS THE PAINT FILTER TEST? (Circle One) YES NO

TANK BOTTOMS

Table for Tank Bottoms with columns for Feet, Inches, BS&W/BBLS Received, Free Water, Total Received, BS&W (%)

I hereby certify that the above load material has been (circle one) ACCEPTED DENIED If denied, why?

Signature and Date of Generator: [Signature], 3/4/22



(PLEASE PRINT)

Company Name: Waste Management
Name: Waste Management
Phone No: 360-658-3126

GENERATOR

NO. 557157

Operator No. _____
Operator's Name: Waste Oil & Gas LLC
Address: 100 West Wilshire Blvd
City, State, Zip: Oklahoma City OK 73116
Phone No: 360-658-3126

Permit/RBC No. _____
Lease/Well Name & No. _____
County _____
API No. _____
Rig Name & No. None Drilling
AFE/PO No. _____

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)		
Oil Based Muds	NON-INJECTABLE WATERS	INJECTABLE WATERS
Oil Based Cuttings	Washout Water (Non-injectable)	Washout Water (Injectable)
Water Based Muds	Completion Fluid/Flow back (Non-injectable)	Completion Fluid/Flow back (Injectable)
Water Based Cuttings	Produced Water (Non-injectable)	Produced Water (Injectable)
Produced Formation Solids	Gathering Line Water/Waste (Non-injectable)	Gathering Line Water/Waste (Injectable)
Tank Bottoms	INTERNAL USE ONLY	OTHER-EXEMPT WASTES (type and generation process of the waste)
E&P Contaminated Soil	Truck Washout (exempt waste)	
Gas Plant Waste		

WASTE GENERATION PROCESS: DRILLING COMPLETION PRODUCTION GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount
All non-exempt E&P waste must be analysed and be below the threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.
Non-Exempt Other: _____ *please select from Non-Exempt Waste List on back

QUANTITY 20 B - BARRELS L - LIQUID Y - YARDS E - EACH

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste load is (Check the appropriate classification)

- RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
- RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)
 - MSDS Information
 - RCRA Hazardous Waste Analysis
 - Other (Provide Description Below)

EMERGENCY NON-OILFIELD: Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety (the order, documentation of non-hazardous waste determination and a description of the waste must accompany this form)
Waste Management on behalf of Waste Oil & Gas 3/4/2022
(PRINT) AUTHORIZED AGENT'S NAME DATE SIGNATURE

TRANSPORTER

Transporter's Name: ZS Trucking
Address: 1207 Hopi Rd
Phone No: (575) 725-1332

Driver's Name: JULIAN URANCA
Print Name: JULIAN URANCA
Phone No: 575) 725-1332
Truck No: 55

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.
3-4-22 JULIAN URANCA 3-4-22 JULIAN URANCA
SHIPMENT DATE DRIVER'S SIGNATURE DELIVERY DATE DRIVER'S SIGNATURE

TRUCK TIME STAMP	DISPOSAL FACILITY	RECEIVING AREA
IN: _____ OUT: _____	_____	Name/No. <u>28</u>
Site Name/Permit No: <u>Halfway Facility / NM1-005</u>	Address: <u>6E01 Hobbs Hwy US 67/180 Mile Marker 66 Carlsbad, NM 88220</u>	Phone No: <u>575-393-1079</u>
NORM READINGS TAKEN? (Circle One) YES <u>NO</u>	PASS THE PAINT FILTER TEST? (Circle One) YES <u>NO</u>	If YES, was reading > 50 micro roentgens? (circle one) YES <u>NO</u>

TANK BOTTOMS

Feet	Inches	BS&W/BBLs Received	BS&W (%)
1st Gauge		Free Water	
2nd Gauge		Total Received	

I hereby certify that the above load material has been (circle one): ACCEPTED DENIED If denied, why? _____
A Deming 3-4-22 Rec _____
NAME (PRINT) DATE TITLE SIGNATURE



Customer: NOVO OIL & GAS NORTHERN
 Customer #: CRI4317
 Ordered by: BRYAN HENSLEY
 AFE #:
 PO #:
 Manifest #: 557158
 Manif. Date: 3/4/2022
 Hauler: BDS ENTERPRISES LLC
 Driver: JERELL
 Truck #: 60
 Card #
 Job Ref #

Ticket #: 700-1280819
 Bid #: O6UJ9A000HO7
 Date: 3/4/2022
 Generator: NOVO OIL & GAS NORTHERN
 Generator #:
 Well Ser. #: 999908
 Well Name: NOVO O PAD
 Well #:
 Field:
 Field #:
 Rig: NON-DRILLING
 County: EDDY (NM)

Permian Basin

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

15.00 yards

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

- RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste
- RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):
- MSDS Information RCRA Hazardous Waste Analysis Process Knowledge Other (Provide description above)

Driver/Agent Signature

R360 Representative Signature

Jerrell S. Lutz

[Signature]

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____



(PLEASE PRINT)

Company Man Cont. Information

Name Bya Hunsley
Phone No 361-658-3126

GENERATOR

NO. 557158

Operator No. _____
Operator's Name NOVO OIL & GAS LLC
Address 100 West Wilshire Blvd
City, State, Zip OKLAHOMA CITY OK 73116
Phone No. 361-658-3126

Permit/RRC No. _____
Lease/Well Name & No. _____
County _____
API No. _____
Rig Name & No. NOVO OCEAN OPEL
AFE/PO No. _____

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds	NON-INJECTABLE WATERS	INJECTABLE WATERS
Oil Based Cuttings	Washout Water (Non-Injectable)	Washout Water (Injectable)
Water Based Muds	Completion Fluid/Flow back (Non-Injectable)	Completion Fluid/Flow back (Injectable)
Water Based Cuttings	Produced Water (Non-Injectable)	Produced Water (Injectable)
Produced Formation Solids	Gathering Line Water/Waste (Non-Injectable)	Gathering Line Water/Waste (Injectable)
Tank Bottoms	INTERNAL USE ONLY	OTHER EXEMPT WASTES (type and generation process of the waste)
E&P Contaminated Soil	Truck Washout (exempt waste)	
Gas Plant Waste		

WASTE GENERATION PROCESS: DRILLING COMPLETION PRODUCTION GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount
All non-exempt E&P waste must be analysed and be below the threshold limits for toxicity (TCLP), ignitability, Corrosivity and Reactivity.

Non-Exempt Other _____ *please select from Non-Exempt Waste List on back

QUANTITY 15 B - BARRELS L - LIQUID Y - YARDS E - EACH

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste load is (Check the appropriate classification)

- RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
- RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)
 - MSDS Information
 - RCRA Hazardous Waste Analysis
 - Other (Provide Description Below)

EMERGENCY NON-OILFIELD: Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety (the order, documentation of non-hazardous waste determination and a description of the waste must accompany this form)
Julio Gonzalez on behalf of NOVO 3/4/2022
(PRINT) AUTHORIZED AGENTS NAME DATE

TRANSPORTER

Transporter's Name BOS Enterprises
Address 1705 E Greer
Carlsbad NM 88220
Phone No. 499-9153

Driver's Name Janell S Lilly
Print Name Janell S Lilly
Phone No. 649-5900
Truck No. 60

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.
3-4-22 Janell S Lilly 3-4-22 Janell S Lilly
SHIPMENT DATE DRIVER'S SIGNATURE DELIVERY DATE DRIVER'S SIGNATURE

TRUCK TIME STAMP

DISPOSAL FACILITY

RECEIVING AREA

IN: _____ OUT: _____ Name/No. 28

Site Name/ Permit No. Halfway Facility / NM1 006 Phone No. 575-393-1079
Address 6501 Hobbs Hwy US 62/180 Mile Marker 66 Carlsbad, NM 88220

NORM READINGS TAKEN? (Circle One) YES NO If YES, was reading > 50 micro roentgens? (circle one) YES NO
PASS THE PAINT FILTER TEST? (Circle One) YES NO

TANK BOTTOMS

1st Gauge	Feet	Inches	BS&W/BBLS Received	BS&W (%)
2nd Gauge			Free Water	
Received			Total Received	

I hereby certify that the above load material has been (circle one): ACCEPTED DENIED If denied, why? _____
ADoninger 3-4-22 Rec DD
NAME (PRINT) DATE FILE SIGNATURE



Permian Basin

Customer:	NOVO OIL & GAS NORTHERN	Ticket #:	700-1281033
Customer #:	CRI4317	Bid #:	O6UJ9A000HO7
Ordered by:	BRYAN HANEY	Date:	3/5/2022
AFE #:		Generator:	NOVO OIL & GAS NORTHERN
PO #:		Generator #:	
Manifest #:	557159	Well Ser. #:	999908
Manif. Date:	3/5/2022	Well Name:	NOVO O PAD
Hauler:	BDS ENTERPRISES LLC	Well #:	
Driver:	JERRELL	Field:	
Truck #:	60	Field #:	
Card #:		Rig:	NON-DRILLING
Job Ref #:		County:	EDDY (NM)

Facility: CRI

Product / Service	Quantity	Units
Contaminated Soil (RCRA Exempt)	12.00	yards

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

RCRA Exempt: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste

RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

MSDS Information RCRA Hazardous Waste Analysis Process Knowledge Other (Provide description above)

Driver/ Agent Signature

[Signature]

Customer Approval

R360 Representative Signature

[Signature]

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____

NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT)

Company Man Contact information

Name: Bryan Hendy
Phone No: 361 658 3126



GENERATOR

NO. 557159

Operator No. _____
Operators Name: Novo Oil & Gas LLC
Address: 1001 West W. 15th Blvd
City, State, Zip: Oklahoma City OK 73116
Phone No.: 361 658 3126

Permit/RRC No. _____
Lease/Well Name & No.: Novo O Pad
County: _____
API No. _____
Rig Name & No.: Novo Operation W/A
AFE/PO No. _____

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds	NON-INJECTABLE WATERS	INJECTABLE WATERS
Oil Based Cuttings	Washout Water (Non-Injectable)	Washout Water (Injectable)
Water Based Muds	Completion Fluid/Flow back (Non-Injectable)	Completion Fluid/Flow back (Injectable)
Water Based Cuttings	Produced Water (Non-Injectable)	Produced Water (Injectable)
Produced Formation Solids	Gathering Line Water/Waste (Non-Injectable)	Gathering Line Water/Waste (Injectable)
Tank Bottoms	INTERNAL USE ONLY	OTHER EXEMPT WASTES (type and generation process of the waste)
E&P Contaminated Soil	Truck Washout (exempt waste)	
Gas Plant Waste		

WASTE GENERATION PROCESS: DRILLING COMPLETION PRODUCTION GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount

All non-exempt E&P waste must be analysed and be below the threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other _____ *please select from Non-Exempt Waste List on back

QUANTITY B - BARRELS L - LIQUID 12 Y - YARDS E - EACH

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste load is (Check the appropriate classification)

- RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
- RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)
 - MSDS Information
 - RCRA Hazardous Waste Analysis
 - Other (Provide Description Below)

EMERGENCY NON-OILFIELD: Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety (the order, documentation of non-hazardous waste determination and a description of the waste must accompany this form)

Melton on behalf of Novo Oil & Gas 3/5/2022
(PRINT) AND/OR AGENT'S NAME DATE SIGNATURE

Transporter's Name: BDS Enterprises DRIVER TRANSPORTER
 Address: 1705 E Greene
Carlsbad NM 88220
 Phone No.: 499-9153
 Driver's Name: Jerrill S Lilly
 Print Name: Jerrill S Lilly
 Phone No.: 575-489-5900
 Truck No.: 40

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.
3-5-22 Jerrill S Lilly 3-5-22 Jerrill S Lilly
SHIPMENT DATE DRIVER'S SIGNATURE DELIVERY DATE DRIVER'S SIGNATURE

TRUCK TIME STAMP IN: _____ OUT: _____ DISPOSAL FACILITY RECEIVING AREA
 Name/No. SU/51

Site Name/Permit No.: Halfway Facility / NM1-006 Phone No.: 575-393-1070
Address: 6001 Hobbs Hwy US 62/180 Mile Marker 66 Carlsbad, NM 88720

NORM READINGS TAKEN? (Circle One) YES NO If YES, was reading > 50 micro roentgens? (circle one) YES NO
PASS THE PAINT FILTER TEST? (Circle One) YES NO

TANK BOTTOMS

1st Gauge	Foot	Inches	BS&W/BBLs Received	BS&W (%)
2nd Gauge			Free Water	
Received			Total Received	

I hereby certify that the above load material has been (circle one): ACCEPTED DENIED denied, why? _____
Y. Mullner 3/5 Jerrill S Lilly Jerrill S Lilly
(PRINT) NAME DATE NAME SIGNATURE



Customer: NOVO OIL & GAS NORTHERN
Customer #: CRI4317
Ordered by: BRYAN HANEY
AFE #:
PO #:
Manifest #: 525615
Manif. Date: 3/31/2022
Hauler: BDS ENTERPRISES LLC
Driver: DONALD
Truck #: 66
Card #
Job Ref #

Ticket #: 700-1289240
Bid #: O6UJ9A000HO7
Date: 3/31/2022
Generator: NOVO OIL & GAS NORTHERN
Generator #:
Well Ser. #: 999908
Well Name: NOVO O PAD
Well #:
Field:
Field #:
Rig: NON-DRILLING
County: EDDY (NM)

Permian Basin

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

20.00 yards

Generator Certification Statement of Waste Status

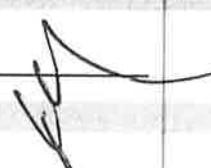
I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

- RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste
- RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):
- MSDS Information
- RCRA Hazardous Waste Analysis
- Process Knowledge
- Other (Provide description above)

Driver/ Agent Signature

R360 Representative Signature





Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____



(PLEASE PRINT)

Company Man Contact Information

Name: Dry on Honey
Phone No: 561 658 3126

GENERATOR

NO. 525615

Operator No _____
Operators Name: NOVO OIL & GAS LLL
Address: 1001 West Wilshire Blvd
City, State, Zip: Oklahoma City OK 73116
Phone No: 561 658 3126

Permit/RRC No _____
Lease/Well Name & No: NOVO OILATION OPER
County _____
API No _____
Rig Name & No: NOVO OILATION OPER
AFE/PO No: N/A

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

	NON-INJECTABLE WATERS	INJECTABLE WATERS
	Oil Based Muds	Washout Water (Non-Injectable)
Oil Based Cuttings	Completion Fluid/Flow back (Non-Injectable)	Completion Fluid/Flow back (Injectable)
Water Based Muds	Produced Water (Non-Injectable)	Produced Water (Injectable)
Water Based Cuttings	Gathering Line Water/Waste (Non-Injectable)	Gathering Line Water/Waste (Injectable)
Produced Formation Solids		
Tank Bottoms		
E&P Contamination	INTERNAL USE ONLY	OTHER EXEMPT WASTES (type and generate process of the waste)
Gas Plant Waste	Truck Washout (exempt waste)	

WASTE GENERATION PROCESS: DRILLING COMPLETION PRODUCTION GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount

All non-exempt E&P waste must be analysed and be below the threshold limits for toxicity (TCUP), ignitability, Corrosivity and Reactivity.

Non-Exempt Other: _____ *please select from Non-Exempt Waste List on back

QUANTITY	B - BARRELS	L - LIQUID	Y - YARDS	C - EACH
			<u>20</u>	

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste load is (Check the appropriate classification)

- RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
- RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached (Check the appropriate items as provided)
 - MSDS Information
 - RCRA Hazardous Waste Analysis
 - Other (Provide Description Below)

EMERGENCY NON-OILFIELD: Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety (the order, documentation of non-hazardous waste determination and a description of the waste must accompany this form)

Maldonado on behalf of NOVO OIL & GAS 3/31/2022
DATE SIGNATURE

TRANSPORTER

Transporter's Name: BDS ENTERPRISE
Address: 1705 E. Green Carlsbad
Phone No: 575-689-8324

Driver's Name: DONALD BUTLER
Print Name: DONALD BUTLER
Phone No: _____
Truck No: 66

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.
SHIPMENT DATE: 3-31-22 DRIVER'S SIGNATURE: Donald Butler DELIVERY DATE: 3-31-22 DRIVER'S SIGNATURE: Donald Butler

TRUCK TIME STAMP

IN: _____ OUT: _____

DISPOSAL FACILITY

RECEIVING AREA

Name/No. 50151

Site Name/Permit No: Halfway Facility / NM1-006
Address: 6601 Hobbs Hwy US 62/180 Mile Marker 66 Carlsbad, NM 88220

Phone No: 575-393-1079

NORM READINGS TAKEN? (Circle One) YES NO If YES, was reading > 50 micro roentgens? (circle one) YES NO
PASS THE PAINT FILTER TEST? (Circle One) YES NO

TANK BOTTOMS

Feet _____ Inches _____

1st Gauge		
2nd Gauge		
Received		

BS&W/BOLS Received		BS&W (%)	
Free Water			
Total Received			

I hereby certify that the above load material has been (circle one): ACCEPTED DENIED denied, why? _____

GM Fullmer 3/31/2022 RM MPJ
DATE TITLE SIGNATURE



Customer:	NOVO OIL & GAS NORTHERN	Ticket #:	700-1289311
Customer #:	CRI4317	Bid #:	O6UJ9A000HO7
Ordered by:	BRYAN HANEY	Date:	3/31/2022
AFE #:		Generator:	NOVO OIL & GAS NORTHERN
PO #:		Generator #:	
Manifest #:	530015	Well Ser. #:	999908
Manif. Date:	3/31/2022	Well Name:	NOVO O PAD
Hauler:	BDS ENTERPRISES LLC	Well #:	
Driver:	DONALD	Field:	
Truck #:	64	Field #:	
Card #:		Rig:	NON-DRILLING
Job Ref #:		County:	EDDY (NM)

Permian Basin

Facility: CRI

Product / Service	Quantity Units
Contaminated Soil (RCRA Exempt)	20.00 yards

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

- RCRA Exempt: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste
- RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):
- MSDS Information RCRA Hazardous Waste Analysis Process Knowledge Other (Provide description above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____



(PLEASE PRINT)

Company Man Contact Information

Name: Bryan Hough
Phone No: 301 658 5126

GENERATOR

NO. 530015

Operator No
Operator's Name: Udo Oil and Gas LLC
Address: 102 West Windsor Blvd
City, State, Zip: 100 Oklahoma City OK 73116
Phone No: 341 658 3126

Permit/RRC No
Lease/Well
Name & No: Udo Oil and Gas
County
API No
Rig Name & No: Udo Oil and Gas of OK
AFF/PO No: N/A

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds	NON-INJECTABLE WATERS	INJECTABLE WATERS
Oil Based Cuttings	Washout Water (Non-Injectable)	Washout Water (Injectable)
Water Based Muds	Completion Fluid/Flow back (Non-Injectable)	Completion Fluid/Flow back (Injectable)
Water Based Cuttings	Produced Water (Non-Injectable)	Produced Water (Injectable)
Fractured Formation Sands	Gathering Line Water/Waste (Non-Injectable)	Gathering Line Water/Waste (Injectable)
Tank Bottoms	INTERNAL USE ONLY	OTHER EXEMPT WASTES (type and generation process of the waste)
E&P Contaminated Soil	Truck Washout (exempt waste)	
Gas Plant Waste		

WASTE GENERATION PROCESS: DRILLING COMPLETION PRODUCTION GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount

All non-exempt E&P waste must be analyzed and be below the threshold limits for toxicity (TCLEP), ignitability, corrosivity and reactivity.

None Exempt Other: **please select from Non-Exempt Waste List on back*

QUANTITY: B BARRELS L LIQUID 20 Y - YARDS E EACH

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste load is (Check the appropriate classification)

- RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
- RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)
 - MSDS Information
 - RCRA Hazardous Waste Analysis
 - Other (Provide Description Below)

EMERGENCY NON-OILFIELD: Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety (the order, documentation of non-hazardous waste determination and a description of the waste must accompany this form)

Udo Oil and Gas (PRINT) AUTHORIZED AGENT'S NAME 3/31/2022 DATE [Signature] SIGNATURE

TRANSPORTER

Transporter's Name: BDS ENTERPRISE
Address: 1705 E. Green St. Carlsbad
Phone No: 575-689-8324

Driver's Name: DONALD BUTYR
Print Name: DONALD BUTYR
Truck No: 69

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.
SHIPMENT DATE: 3-31-22 DRIVER'S SIGNATURE: [Signature] DELIVERY DATE: 3-31-22 DRIVER'S SIGNATURE: [Signature]

TRUCK TIME STAMP

DISPOSAL FACILITY

RECEIVING AREA

IN: OUT: Name/No. 28

Site Name/Permit No.: Halfway Facility / NM1-006 Phone No.: 575-393-1079
Address: 6601 Hobbs Hwy US 67/180 Mile Marker 66 Carlsbad, NM 88220

NORM READINGS TAKEN? (Circle one) YES NO If YES, was reading > 50 micro roentgens? (circle one) YES NO
PASS THE PAINT FILTER TEST? (Circle one) YES NO

TANK BOTTOMS

Feet inches

1st Gauge Received		BS&W/BBLs Received		BS&W (%)	
2nd Gauge Received		Free Water			
		Total Received			

I hereby certify that the above load material has been (circle one): ACCEPTED DENIED If denied, why?

[Signature] NAME (PRINT) 3/31 DATE [Signature] FILE [Signature] SIGNATURE



Customer: NOVO OIL & GAS NORTHERN
 Customer #: CRI4317
 Ordered by: BRYAN HANEY
 AFE #:
 PO #:
 Manifest #: 530016
 Manif. Date: 3/31/2022
 Hauler: BDS ENTERPRISES LLC
 Driver: DONALD
 Truck #: 66
 Card #
 Job Ref #

Ticket #: 700-1289369
 Bid #: O6UJ9A000HO7
 Date: 3/31/2022
 Generator: NOVO OIL & GAS NORTHERN
 Generator #:
 Well Ser. #: 999908
 Well Name: NOVO O PAD
 Well #:
 Field:
 Field #:
 Rig: NON-DRILLING
 County: EDDY (NM)

Permian Basin

Facility: CRI

Product / Service	Quantity	Units
Contaminated Soil (RCRA Exempt)	20.00	yards

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

- RCRA Exempt: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste
- RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):
- MSDS Information RCRA Hazardous Waste Analysis Process Knowledge Other (Provide description above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____



(PLEASE PRINT)

Company Man Contact Information

Name Bryan Handy

Phone No. 361 658 3126

GENERATOR

NO. 530016

Operator No.
Operator's Name Novo Oil & Gas LLC
Address 1001 West Wilshire Blvd
City, State, Zip 100 Oklahoma City OK 73116
Phone No. 361 658 3126

Permit/RRC No.
Lease/Well Name & No. Novo Ocellon of ad
County
API No. N/A
Rig Name & No. Novo Ocellon of ad
AFE/PO No.

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Table with columns for waste types (Oil Based Muds, Water Based Muds, etc.) and identification categories (NON-INJECTABLE WATERS, INJECTABLE WATERS, INTERNAL USE ONLY).

WASTE GENERATION PROCESS: DRILLING COMPLETION PRODUCTION GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount

All non-exempt E&P waste must be analyzed and be below the threshold limits for toxicity (TCDF), ignitability, corrosivity and reactivity.

Non-Exempt Other *please select from Non-Exempt Waste List on back

QUANTITY B - BARRELS L - LIQUID 20 Y - YARDS C - CASH

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste load is (Check the appropriate classification)

- RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended.
MSDS Information
RCRA Hazardous Waste Analysis
Other (Provide Description Below)

EMERGENCY NON-OILFIELD: Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety (file order, documentation of non-hazardous waste determination and a description of the waste must accompany this form)

Signature: [Signature] on behalf of Novo Oil & Gas DATE: 3/31/2022

TRANSPORTER

Transporter's Name BIDS ENTERPRISE
Address 1705 E. Green St. Carlsbad
Phone No. 575-689-8324

Driver's Name DONALD BUTER
Print Name DONALD BUTER
Phone No.
Truck No. 66

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.
SHIPMENT DATE: 3-31-22 DRIVER'S SIGNATURE: [Signature] DELIVERY DATE: 3-31-22 DRIVER'S SIGNATURE: [Signature]

TRUCK TIME STAMP

DISPOSAL FACILITY

RECEIVING AREA

IN: OUT: Name/No. 28

Site Name/ Permit No. Halfway Facility / NM1-005
Address 6601 Hobbs Hwy US 62/180 Mile Marker 66 Carlsbad, NM 88220
Phone No. 575-393-1079

NORM READINGS TAKEN? (Circle one) YES NO
PASS THE PAINT FILTER TEST? (Circle one) YES NO

TANK BOTTOMS

Table for Tank Bottoms measurements in Feet and Inches, and BS&W/BBLs Received, Free Water, Total Received, and BS&W (%).

I hereby certify that the above load material has been (circle one): ACCEPTED DENIED
Signature: [Signature] DATE: 3/31/2022 Signature: [Signature]



Customer: NOVO OIL & GAS NORTHERN
Customer #: CRI4317
Ordered by: BRYAN HANEY
AFE #:
PO #:
Manifest #: 525615
Manif. Date: 3/31/2022
Hauler: BDS ENTERPRISES LLC
Driver: DONALD
Truck #: 66
Card #
Job Ref #

Ticket #: 700-1289240
Bid #: O6UJ9A000HO7
Date: 3/31/2022
Generator: NOVO OIL & GAS NORTHERN
Generator #:
Well Ser. #: 999908
Well Name: NOVO O PAD
Well #:
Field:
Field #:
Rig: NON-DRILLING
County: EDDY (NM)

Permian Basin

Facility: CRI

Product / Service

Quantity Units

Contaminated Soil (RCRA Exempt)

20.00 yards

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

- RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste
- RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):
- MSDS Information
- RCRA Hazardous Waste Analysis
- Process Knowledge
- Other (Provide description above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____



(PLEASE PRINT)

Company Man Contact Information

Name: Dry on Honey
Phone No: 561 658 3126

GENERATOR

NO. 525615

Operator No _____
Operators Name: NOVO OIL & GAS LLL
Address: 1001 West Wilshire Blvd
City, State, Zip: Oklahoma City OK 73116
Phone No: 561 658 3126

Permit/RRC No _____
Lease/Well Name & No: NOVO OILATION OPER
County _____
API No _____
Rig Name & No: NOVO OILATION OPER
AFE/PO No: N/A

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

	NON-INJECTABLE WATERS		INJECTABLE WATERS	
	Barrels	Cubic Yards	Barrels	Cubic Yards
Oil Based Muds				
Oil Based Cuttings				
Water Based Muds				
Water Based Cuttings				
Produced Formation Solids				
Tank Bottoms				
E&P Contamination				
Gas Plant Waste				
	INTERNAL USE ONLY		OTHER EXEMPT WASTES (type and generate process of the waste)	
	Truck Washout (exempt waste)			

WASTE GENERATION PROCESS: DRILLING COMPLETION PRODUCTION GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount

All non-exempt E&P waste must be analyzed and be below the threshold limits for toxicity (TCUP), ignitability, Corrosivity and Reactivity.

Non-Exempt Other: _____ *please select from Non-Exempt Waste List on back

QUANTITY	B - BARRELS	L - LIQUID	Y - YARDS	C - EACH
			<u>20</u>	

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste load is (Check the appropriate classification)

- RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
- RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached (Check the appropriate items as provided)
 - MSDS Information
 - RCRA Hazardous Waste Analysis
 - Other (Provide Description Below)

EMERGENCY NON-OILFIELD: Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety (the order, documentation of non-hazardous waste determination and a description of the waste must accompany this form)

Maldonado on behalf of NOVO OIL & GAS 3/31/2022
DATE SIGNATURE

TRANSPORTER

Transporter's Name: BDS ENTERPRISE
Address: 1705 E. Green Carlsbad
Phone No: 575-689-8324

Driver's Name: DONALD BUTLER
Print Name: DONALD BUTLER
Phone No: _____
Truck No: 66

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.
SHIPMENT DATE: 3-31-22 DRIVER'S SIGNATURE: Donald Butler DELIVERY DATE: 3-31-22 DRIVER'S SIGNATURE: Donald Butler

TRUCK TIME STAMP

IN: _____ OUT: _____

DISPOSAL FACILITY

RECEIVING AREA

Site Name/Permit No: Halfway Facility / NM1-006
Address: 6601 Hobbs Hwy US 62/180 Mile Marker 66 Carlsbad, NM 88220

Phone No: 575-393-1079

Name/No: 50151

NORM READINGS TAKEN? (Circle One) YES NO If YES, was reading > 50 micro roentgens? (circle one) YES NO
PASS THE PAINT FILTER TEST? (Circle One) YES NO

TANK BOTTOMS

	Feet	Inches
1st Gauge		
2nd Gauge		
Received		

BS&W/BOLS Received	BS&W (%)
Free Water	
Total Received	

I hereby certify that the above load material has been (circle one): ACCEPTED DENIED denied, why? _____
NAME (ORIG): LM Pullman DATE: 3/31 TITLE: RM SIGNATURE: LM Pullman



Customer:	NOVO OIL & GAS NORTHERN	Ticket #:	700-1289311
Customer #:	CRI4317	Bid #:	O6UJ9A000HO7
Ordered by:	BRYAN HANEY	Date:	3/31/2022
AFE #:		Generator:	NOVO OIL & GAS NORTHERN
PO #:		Generator #:	
Manifest #:	530015	Well Ser. #:	999908
Manif. Date:	3/31/2022	Well Name:	NOVO O PAD
Hauler:	BDS ENTERPRISES LLC	Well #:	
Driver:	DONALD	Field:	
Truck #:	64	Field #:	
Card #:		Rig:	NON-DRILLING
Job Ref #:		County:	EDDY (NM)

Permian Basin

Facility: CRI

Product / Service	Quantity Units
Contaminated Soil (RCRA Exempt)	20.00 yards

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

- RCRA Exempt: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste
- RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):
- MSDS Information RCRA Hazardous Waste Analysis Process Knowledge Other (Provide description above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____



(PLEASE PRINT)

Company Man Contact Information

Name: Bryan Hough
Phone No: 361 658 5126

GENERATOR

NO. 530015

Operator No
Operator's Name: Udo Oil and Gas LLC
Address: 102 West Windsor Blvd
City, State, Zip: 100 Oklahoma City OK 73116
Phone No: 341 658 3126

Permit/RRC No
Lease/Well
Name & No: Udo Oil and Gas
County
API No
Rig Name & No: Udo Oil and Gas of OK
AFF/PO No: N/A

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds	NON-INJECTABLE WATERS	INJECTABLE WATERS
Oil Based Cuttings	Washout Water (Non-Injectable)	Washout Water (Injectable)
Water Based Muds	Completion Fluid/Flow back (Non-Injectable)	Completion Fluid/Flow back (Injectable)
Water Based Cuttings	Produced Water (Non-Injectable)	Produced Water (Injectable)
Fractured Formation Sands	Gathering Line Water/Waste (Non-Injectable)	Gathering Line Water/Waste (Injectable)
Tank Bottoms	INTERNAL USE ONLY	OTHER EXEMPT WASTES (type and generation process of the waste)
F&P Contaminated Soil	Truck Washout (exempt waste)	
Gas Plant Waste		

WASTE GENERATION PROCESS: DRILLING COMPLETION PRODUCTION GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount
All non-exempt E&P waste must be analyzed and be below the threshold limits for toxicity (TCLEP), ignitability, corrosivity and reactivity.

None Exempt Other: **please select from Non-Exempt Waste List on back*

QUANTITY: B BARRELS L LIQUID 20 Y - YARDS E EACH

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste load is (Check the appropriate classification)

- RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
- RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)
 - MSDS Information
 - RCRA Hazardous Waste Analysis
 - Other (Provide Description Below)

EMERGENCY NON-OILFIELD: Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety (the order, documentation of non-hazardous waste determination and a description of the waste must accompany this form)

Signature: [Signature] DATE: 3/31/2022

TRANSPORTER

Transporter's Name: BDS ENTERPRISE
Address: 1705 E. Green St. Carlsbad
Phone No: 575-689-8324

Driver's Name: DONALD BUTYR
Print Name: DONALD BUTYR
Truck No: 69

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.
SHIPMENT DATE: 3-31-22 DRIVER'S SIGNATURE: [Signature] DELIVERY DATE: 3-31-22 DRIVER'S SIGNATURE: [Signature]

TRUCK TIME STAMP

DISPOSAL FACILITY

RECEIVING AREA

IN: _____ OUT: _____ Name/No. 28

Site Name/Permit No.: Halfway Facility / NM1-006 Phone No.: 575-393-1079
Address: 6601 Hobbs Hwy US 67/180 Mile Marker 66 Carlsbad, NM 88220

NORM READINGS TAKEN? (Circle one) YES NO If YES, was reading > 50 micro roentgens? (circle one) YES NO
PASS THE PAINT FILTER TEST? (Circle one) YES NO

TANK BOTTOMS

1st Gauge	Feet	inches	B5&W/BBLs Received	B5&W (%)
2nd Gauge			Free Water	
Received			Total Received	

I hereby certify that the above load material has been (circle one): ACCEPTED DENIED If denied, why? [Signature]



Customer: NOVO OIL & GAS NORTHERN
Customer #: CRI4317
Ordered by: BRYAN HANEY
AFE #:
PO #:
Manifest #: 530016
Manif. Date: 3/31/2022
Hauler: BDS ENTERPRISES LLC
Driver: DONALD
Truck #: 66
Card #
Job Ref #

Ticket #: 700-1289369
Bid #: O6UJ9A000HO7
Date: 3/31/2022
Generator: NOVO OIL & GAS NORTHERN
Generator #:
Well Ser. #: 999908
Well Name: NOVO O PAD
Well #:
Field:
Field #:
Rig: NON-DRILLING
County: EDDY (NM)

Permian Basin

Facility: CRI

Product / Service	Quantity Units
Contaminated Soil (RCRA Exempt)	20.00 yards

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

- RCRA Exempt: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste
- RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):
- MSDS Information RCRA Hazardous Waste Analysis Process Knowledge Other (Provide description above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____

Date: _____



(PLEASE PRINT)

Company Man Contact Information

Name: Bryan Hancy
Phone No: 361 658 3126

GENERATOR

NO. 530016

Operator No:
Operator's Name: Novo Oil & Gas LLC
Address: 1001 West Wilshire Blvd
City, State, Zip: 100 Oklahoma City OK 73116
Phone No: 361 658 3126

Permit/RRC No:
Lease/Well Name & No: Novo Oilfield of ad
County:
API No: N/A
Rig Name & No: Novo Oilfield of ad
AFE/PO No:

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds	NON-INJECTABLE WATERS	Washout Water (Non-Injectable)	INJECTABLE WATERS	Washout Water (Injectable)
Oil Based Cuttings		Completion Fluid/Flow back (Non-Injectable)		Completion Fluid/Flow back (Injectable)
Water Based Muds		Produced Water (Non-Injectable)		Produced Water (Injectable)
Water Based Cuttings		Gathering Line Water/Waste (Non-Injectable)		Gathering Line Water/Waste (Injectable)
Produced Formation Solids		INTERNAL USE ONLY		OTHER EXEMPT WASTES (type and generation/process of the waste)
Tank Bottoms		Truck Washout (exempt waste)		
ESP Condensate/Solids Plant Waste				

WASTE GENERATION PROCESS: DRILLING COMPLETION PRODUCTION GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount

All non-exempt E&P waste must be analyzed and be below the threshold limits for toxicity (TCDF), ignitability, corrosivity and reactivity.

Non-Exempt Other: *please select from Non-Exempt Waste List on back

QUANTITY: B - BARRELS L - LIQUID 20 Y - YARDS C - CASH

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste load is (Check the appropriate classification)

- RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
- RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached (Check the appropriate items as provided)
 - MSDS Information
 - RCRA Hazardous Waste Analysis
 - Other (Provide Description Below)

EMERGENCY NON-OILFIELD: Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety (file order, documentation of non-hazardous waste determination and a description of the waste must accompany this form)

Signature: [Signature] on behalf of Novo Oil & Gas DATE: 3/31/2022

TRANSPORTER

Transporter's Name: BIDS ENTERPRISE
Address: 1705 E. Green St. Carlsbad
Phone No: 575-689-8324

Driver's Name: DONALD BUTER
Print Name: DONALD BUTER
Phone No:
Truck No: 66

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.
SHIPMENT DATE: 3-31-22 DRIVER'S SIGNATURE: [Signature] DELIVERY DATE: 3-31-22 DRIVER'S SIGNATURE: [Signature]

TRUCK TIME STAMP

DISPOSAL FACILITY

RECEIVING AREA

IN: OUT: Name/No. 28

Site Name/Permit No: Halfway Facility / NM1-005
Address: 6601 Hobbs Hwy US 62/180 Mile Marker 66 Carlsbad, NM 88220
Phone No: 575-393-1079

NORM READINGS TAKEN? (Circle one) YES NO
PASS THE PAINT FILTER TEST? (Circle one) YES NO

TANK BOTTOMS

Feet Inches

1st Gauge		BS&W/BBLs Received		BS&W (%)	
2nd Gauge		Free Water			
Received		Total Received			

I hereby certify that the above load material has been (circle one): ACCEPTED DENIED Denied, why? [Signature] DATE: 3/31/22 SIGNATURE: [Signature]

NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information



(PLEASE PRINT)

Name Myron Haney

Phone No. 505-658-3121

GENERATOR

NO. 525601

Operator No. _____
Operators Name Myron Haney
Address 1111 West 1st Street
City, State, Zip Albuquerque, NM 87106
Phone No. 505-658-3126

Permit/RRC No. _____
Lease/Well Name & No. 1111 West 1st Street
County _____
API No. _____
Rig Name & No. 1111 West 1st Street
AFE/PO No. _____

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds	NON-INJECTABLE WATERS	INJECTABLE WATERS
Oil Based Cuttings	Washout Water (Non-Injectable)	Washout Water (Injectable)
Water Based Muds	Completion Fluid/Flow back (Non-Injectable)	Completion Fluid/Flow back (Injectable)
Water Based Cuttings	Produced Water (Non-Injectable)	Produced Water (Injectable)
Produced Formation Solids	Gathering Line Water/Waste (Non-Injectable)	Gathering Line Water/Waste (Injectable)
Tank Bottoms	INTERNAL USE ONLY	OTHER EXEMPT WASTES (type and generation process of the waste)
E&P Contaminated Soil	Truck Washout (exempt waste)	
Gas Plant Waste		

WASTE GENERATION PROCESS: DRILLING COMPLETION PRODUCTION GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount

All non-exempt E&P waste must be analysed and be below the threshold limits for toxicity (TCLP), ignitability, Corrosivity and Reactivity.

Non-Exempt Other _____ *please select from Non-Exempt Waste List on back

QUANTITY B - BARRELS L - LIQUID 20 Y - YARDS E - EACH

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste load is (Check the appropriate classification)

- RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
- RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)
 - MSDS Information
 - RCRA Hazardous Waste Analysis
 - Other (Provide Description Below)

EMERGENCY NON-OILFIELD: Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety (the order, documentation of non-hazardous waste determination and a description of the waste must accompany this form)

(PRINT) AUTHORIZED AGENTS NAME

DATE

SIGNATURE

TRANSPORTER

Transporter's Name BOS 207-2-8135-4
Address 1705 E. Camino...
Phone No. 575-709-0389

Driver's Name Joe Lopez
Print Name _____
Phone No. 575-709-0389
Truck No. 67

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

TRUCK TIME STAMP

DISPOSAL FACILITY

RECEIVING AREA

IN: _____ OUT: _____

Name/No. _____

Site Name/ Permit No. Halfway Facility / NM1-006
Address 6601 Hobbs Hwy US 62/180 Mile Marker 66 Carlsbad, NM 88220

Phone No. 575-393-1079

NORM READINGS TAKEN? (Circle One) YES NO If YES, was reading > 50 micro roentgens? (circle one) YES NO
PASS THE PAINT FILTER TEST? (Circle One) YES NO

TANK BOTTOMS

	Feet	Inches	BS&W/BBLS Received	BS&W (%)
1st Gauge				
2nd Gauge			Free Water	
Received			Total Received	

I hereby certify that the above load material has been (circle one): ACCEPTED DENIED If denied, why? _____

NAME (PRINT)

DATE

TITLE

SIGNATURE

NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST



(PLEASE PRINT)

Company Man Contact Information

Name Byron Hines

Phone No. 361 658 3126

GENERATOR

NO. 525602

Operator No. _____
Operators Name North Oil & Gas LLC
Address 1001 West 1st Street Blvd
City, State, Zip Midland TX 79706
Phone No. 361 658 3126

Permit/RRC No. _____
Lease/Well Name & No. _____
County _____
API No. _____
Rig Name & No. North Oil & Gas D1AD
AFE/PO No. _____

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

	NON-INJECTABLE WATERS	INJECTABLE WATERS
Oil Based Muds	Washout Water (Non-Injectable)	Washout Water (Injectable)
Oil Based Cuttings	Completion Fluid/Flow back (Non-Injectable)	Completion Fluid/Flow back (Injectable)
Water Based Muds	Produced Water (Non-Injectable)	Produced Water (Injectable)
Water Based Cuttings	Gathering Line Water/Waste (Non-Injectable)	Gathering Line Water/Waste (Injectable)
Produced Formation Solids		
Tank Bottoms	INTERNAL USE ONLY	OTHER EXEMPT WASTES (type and generation process of the waste)
E&P Contaminated Soil	Truck Washout (exempt waste)	
Gas Plant Waste		

WASTE GENERATION PROCESS: DRILLING COMPLETION PRODUCTION GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount

All non-exempt E&P waste must be analysed and be below the threshold limits for toxicity (TCLP), ignitability, Corrosivity and Reactivity.

Non-Exempt Other _____ *please select from Non-Exempt Waste List on back

QUANTITY B - BARRELS L - LIQUID 20 Y - YARDS E - EACH

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste load is (Check the appropriate classification)

- RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
- RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)
 - MSDS Information
 - RCRA Hazardous Waste Analysis
 - Other (Provide Description Below)

EMERGENCY NON-OILFIELD: Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety (the order, documentation of non-hazardous waste determination and a description of the waste must accompany this form)

(PRINT) AUTHORIZED AGENTS NAME Byron Hines

DATE 3/30/22

SIGNATURE [Signature]

TRANSPORTER

Transporter's Name BDJ
Address 375420 3244
1705 East Green St
Carlsbad NM
Phone No. _____

Driver's Name Byron Hines
Print Name Byron Hines
Phone No. 979 407 5790
Truck No. 54

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE 3/30/22

DRIVER'S SIGNATURE [Signature]

DELIVERY DATE 3/30/22

DRIVER'S SIGNATURE [Signature]

TRUCK TIME STAMP

DISPOSAL FACILITY

RECEIVING AREA

IN: _____ OUT: _____

Name/No. _____

Site Name/Permit No. Halfway Facility / NM1-006
Address 6601 Hobbs Hwy US 62/180 Mile Marker 66 Carlsbad, NM 88220

Phone No. 575-393-1079

NORM READINGS TAKEN? (Circle One) YES NO If YES, was reading > 50 micro roentgens? (circle one) YES NO
PASS THE PAINT FILTER TEST? (Circle One) YES NO

TANK BOTTOMS

	Feet	Inches	BS&W/BBLS Received	BS&W (%)
1st Gauge				
2nd Gauge				
Received			Free Water	
			Total Received	

I hereby certify that the above load material has been (circle one): ACCEPTED DENIED If denied, why? _____

NAME (PRINT) _____

DATE _____

TITLE _____

SIGNATURE _____

NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT)

Company Man Contact Information



Name David Haney

Phone No. 409-658-3126

GENERATOR

NO. **525603**

Operator No. _____

Permit/RRC No. _____

Operators Name 11310 OIL GAS LLC

Lease/Well _____

Address 1001 West West Street

Name & No. _____

County _____

City, State, Zip Delphos, NM 88220

API No. _____

Phone No. 202 658 3126

Rig Name & No. 11310 OIL GAS

AFE/PO No. _____

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds	NON-INJECTABLE WATERS	INJECTABLE WATERS
Oil Based Cuttings	Washout Water (Non-Injectable)	Washout Water (Injectable)
Water Based Muds	Completion Fluid/Flow back (Non-Injectable)	Completion Fluid/Flow back (Injectable)
Water Based Cuttings	Produced Water (Non-Injectable)	Produced Water (Injectable)
Produced Formation Solids	Gathering Line Water/Waste (Non-Injectable)	Gathering Line Water/Waste (Injectable)
Tank Bottoms	INTERNAL USE ONLY	OTHER EXEMPT WASTES (type and generation process of the waste)
E&P Contaminated Soil	Truck Washout (exempt waste)	
Gas Plant Waste		

WASTE GENERATION PROCESS: DRILLING COMPLETION PRODUCTION GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount

All non-exempt E&P waste must be analysed and be below the threshold limits for toxicity (TCLP), ignitability, Corrosivity and Reactivity.

Non-Exempt Other _____ *please select from Non-Exempt Waste List on back

QUANTITY B - BARRELS L - LIQUID 20 Y - YARDS E - EACH

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste load is (Check the appropriate classification)

- RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
- RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)
 - MSDS Information
 - RCRA Hazardous Waste Analysis
 - Other (Provide Description Below)

EMERGENCY NON-OILFIELD: Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety (the order, documentation of non-hazardous waste determination and a description of the waste must accompany this form)

(PRINT) AUTHORIZED AGENTS NAME

DATE

SIGNATURE

TRANSPORTER

Transporter's Name BDS Environmental Services
Address 1208 E. Greenway Carlsbad
Phone No. 575-681-5374

Driver's Name Donald Butler
Print Name Donald Butler
Phone No. 575-302-5173
Truck No. 606

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

TRUCK TIME STAMP

DISPOSAL FACILITY

RECEIVING AREA

IN: _____ OUT: _____

Name/No. _____

Site Name/Permit No. Halfway Facility / NM1-006
Address 6601 Hobbs Hwy US 62/180 Mile Marker 66 Carlsbad, NM 88220

Phone No. 575-393-1079

NORM READINGS TAKEN? (Circle One) YES NO If YES, was reading > 50 micro roentgens? (circle one) YES NO
PASS THE PAINT FILTER TEST? (Circle One) YES NO

TANK BOTTOMS

1st Gauge	Feet	Inches	BS&W/BBLS Received	BS&W (%)
2nd Gauge			Free Water	
Received			Total Received	

I hereby certify that the above load material has been (circle one): ACCEPTED DENIED If denied, why? _____

NAME (PRINT)

DATE

TITLE

SIGNATURE

NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST



(PLEASE PRINT)

Company Man Contact Information

Name Bryan Hurrell

Phone No. 505 650 3126

GENERATOR

NO. 525604

Operator No. _____
Operators Name WVA Oil & Gas LLC
Address 1001 West 20th Street
City, State, Zip Albuquerque, NM 87116
Phone No. 361 650 3126

Permit/RRC No. _____
Lease/Well Name & No. _____
County _____
API No. _____
Rig Name & No. NOVO OPERATOR #11
AFE/PO No. _____

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds	_____	NON-INJECTABLE WATERS	_____	INJECTABLE WATERS	_____
Oil Based Cuttings	_____	Washout Water (Non-Injectable)	_____	Washout Water (Injectable)	_____
Water Based Muds	_____	Completion Fluid/Flow back (Non-Injectable)	_____	Completion Fluid/Flow back (Injectable)	_____
Water Based Cuttings	_____	Produced Water (Non-Injectable)	_____	Produced Water (Injectable)	_____
Produced Formation Solids	_____	Gathering Line Water/Waste (Non-Injectable)	_____	Gathering Line Water/Waste (Injectable)	_____
Tank Bottoms	_____	INTERNAL USE ONLY	_____	OTHER EXEMPT WASTES (type and generation process of the waste)	
E&P Contaminated Soil	_____	Truck Washout (exempt waste)	_____		
Gas Plant Waste	_____				

WASTE GENERATION PROCESS: DRILLING COMPLETION PRODUCTION GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount

All non-exempt E&P waste must be analysed and be below the threshold limits for toxicity (TCLP), ignitability, Corrosivity and Reactivity.

Non-Exempt Other _____ *please select from Non-Exempt Waste List on back

QUANTITY B - BARRELS L - LIQUID Y - YARDS E - EACH

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste load is (Check the appropriate classification)

- RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
- RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)
 - MSDS Information
 - RCRA Hazardous Waste Analysis
 - Other (Provide Description Below)

EMERGENCY NON-OILFIELD: Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety (the order, documentation of non-hazardous waste determination and a description of the waste must accompany this form)

(PRINT) AUTHORIZED AGENTS NAME

DATE

SIGNATURE

TRANSPORTER

Transporter's Name BOS ENTERPRISES
Address 1705 S Greene St
CARLSBAD, NM
Phone No. 575-909-0359

Driver's Name Joe Wolf
Print Name Joe Wolf
Phone No. 575-909-0359
Truck No. 67

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

TRUCK TIME STAMP

DISPOSAL FACILITY

RECEIVING AREA

IN: _____ OUT: _____

Name/No. _____

Site Name/ Permit No. Halfway Facility / NM1-006
Address 6601 Hobbs Hwy US 62/180 Mile Marker 66 Carlsbad, NM 88220

Phone No. 575-393-1079

NORM READINGS TAKEN? (Circle One) YES NO If YES, was reading > 50 micro roentgens? (circle one) YES NO
PASS THE PAINT FILTER TEST? (Circle One) YES NO

TANK BOTTOMS

	Feet	Inches
1st Gauge		
2nd Gauge		
Received		

BS&W/BBLs Received	BS&W (%)
Free Water	
Total Received	

I hereby certify that the above load material has been (circle one): ACCEPTED DENIED If denied, why? _____

NAME (PRINT)

DATE

TITLE

SIGNATURE

NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information



(PLEASE PRINT)

Name Raymond Carrillo

Phone No. 315 458 3126

GENERATOR

NO. 525605

Operator No. _____

Permit/RRC No. _____

Operators Name NEWCO OIL & GAS LLC

Lease/Well Name & No. _____

Address 101 West Willow St. Alamo

County _____

City, State, Zip Alamo, NM 87106

API No. _____

Phone No. 315 458 3126

Rig Name & No. NEWCO OIL 27A

AFE/PO No. _____

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds	NON-INJECTABLE WATERS	INJECTABLE WATERS
Oil Based Cuttings	Washout Water (Non-Injectable)	Washout Water (Injectable)
Water Based Muds	Completion Fluid/Flow back (Non-Injectable)	Completion Fluid/Flow back (Injectable)
Water Based Cuttings	Produced Water (Non-Injectable)	Produced Water (Injectable)
Produced Formation Solids	Gathering Line Water/Waste (Non-Injectable)	Gathering Line Water/Waste (Injectable)
Tank Bottoms	INTERNAL USE ONLY	OTHER EXEMPT WASTES (type and generation process of the waste)
E&P Contaminated Soil	Truck Washout (exempt waste)	
Gas Plant Waste		

WASTE GENERATION PROCESS: DRILLING COMPLETION PRODUCTION GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount

All non-exempt E&P waste must be analysed and be below the threshold limits for toxicity (TCLP), ignitability, Corrosivity and Reactivity.

Non-Exempt Other _____ *please select from Non-Exempt Waste List on back

QUANTITY B - BARRELS L - LIQUID Y - YARDS E - EACH

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste load is (Check the appropriate classification)

- RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
- RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)
 - MSDS Information
 - RCRA Hazardous Waste Analysis
 - Other (Provide Description Below)

EMERGENCY NON-OILFIELD: Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety (the order, documentation of non-hazardous waste determination and a description of the waste must accompany this form)

(PRINT) AUTHORIZED AGENTS NAME _____ DATE _____ SIGNATURE _____

TRANSPORTER

Transporter's Name RJD Driver's Name Ramon Carrillo

Address 575 920 32 44 Print Name Ramon Carrillo

Phone No. 1705 East Green St Phone No. 979 407 51 90

Truck No. Carlsbad NM Truck No. 54

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE 3/30/22 DRIVER'S SIGNATURE Ramon Carrillo DELIVERY DATE 3/30/22 DRIVER'S SIGNATURE Ramon Carrillo

TRUCK TIME STAMP

DISPOSAL FACILITY

RECEIVING AREA

IN: _____ OUT: _____ Name/No. _____

Site Name/ Permit No. Halfway Facility / NM1-006 Phone No. 575-393-1079

Address 6601 Hobbs Hwy US 62/180 Mile Marker 66 Carlsbad, NM 88220

NORM READINGS TAKEN? (Circle One) YES NO If YES, was reading > 50 micro roentgens? (circle one) YES NO
PASS THE PAINT FILTER TEST? (Circle One) YES NO

TANK BOTTOMS

	Feet	Inches	BS&W/BBLS Received	BS&W (%)
1st Gauge				
2nd Gauge			Free Water	
Received			Total Received	

I hereby certify that the above load material has been (circle one): ACCEPTED DENIED If denied, why? _____

NAME (PRINT) _____ DATE _____ TITLE _____ SIGNATURE _____

NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information



(PLEASE PRINT)

Name Byron Huns

Phone No. 214 659 3126

GENERATOR

NO. 525606

Operator No. _____
Operators Name Wade Overlin
Address 1102 West 4th St. - Blue
City, State, Zip Elkhart, TX 75116
Phone No. 214 659 3126

Permit/RRC No. _____
Lease/Well Name & No. Wade Overlin 944
County _____
API No. _____
Rig Name & No. Wade Overlin 944
AFE/PO No. _____

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)		
Oil Based Muds	NON-INJECTABLE WATERS	INJECTABLE WATERS
Oil Based Cuttings	Washout Water (Non-Injectable)	Washout Water (Injectable)
Water Based Muds	Completion Fluid/Flow back (Non-Injectable)	Completion Fluid/Flow back (Injectable)
Water Based Cuttings	Produced Water (Non-Injectable)	Produced Water (Injectable)
Produced Formation Solids	Gathering Line Water/Waste (Non-Injectable)	Gathering Line Water/Waste (Injectable)
Tank Bottoms	INTERNAL USE ONLY	OTHER EXEMPT WASTES (type and generation process of the waste)
E&P Contaminated Soil	Truck Washout (exempt waste)	
Gas Plant Waste		

WASTE GENERATION PROCESS: DRILLING COMPLETION PRODUCTION GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount	
All non-exempt E&P waste must be analysed and be below the threshold limits for toxicity (TCLP), ignitability, Corrosivity and Reactivity.	
Non-Exempt Other	*please select from Non-Exempt Waste List on back
QUANTITY	B - BARRELS L - LIQUID Y - YARDS E - EACH

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste load is (Check the appropriate classification)

- RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
- RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)
 - MSDS Information
 - RCRA Hazardous Waste Analysis
 - Other (Provide Description Below)

EMERGENCY NON-OILFIELD: Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety (the order, documentation of non-hazardous waste determination and a description of the waste must accompany this form)

(PRINT) AUTHORIZED AGENTS NAME _____ DATE 3/30/22 SIGNATURE _____

TRANSPORTER

Transporter's Name BDS Environmental Services
Address 1705 E. Central Ave
Phone No. _____

Driver's Name Donnell Burch
Print Name Donnell Burch
Phone No. _____
Truck No. 666

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE 3-30-22 DRIVER'S SIGNATURE Donnell Burch DELIVERY DATE 3-30-22 DRIVER'S SIGNATURE Donnell Burch

TRUCK TIME STAMP

DISPOSAL FACILITY

RECEIVING AREA

IN: _____ OUT: _____

Name/No. _____

Site Name/ Permit No. Halfway Facility / NM1-006
Address 6601 Hobbs Hwy US 62/180 Mile Marker 66 Carlsbad, NM 88220

Phone No. 575-393-1079

NORM READINGS TAKEN? (Circle One) YES NO If YES, was reading > 50 micro roentgens? (circle one) YES NO
PASS THE PAINT FILTER TEST? (Circle One) YES NO

TANK BOTTOMS

	Feet	Inches	BS&W/BBLS Received	BS&W (%)
1st Gauge				
2nd Gauge			Free Water	
Received			Total Received	

I hereby certify that the above load material has been (circle one): ACCEPTED DENIED If denied, why? _____

NAME (PRINT) _____ DATE _____ TITLE _____ SIGNATURE _____

NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST



(PLEASE PRINT)

Company Man Contact Information

Name Byron Herrera

Phone No. 261 658 3126

GENERATOR

NO. 525607

Operator No. _____
Operators Name New Oil & Gas LLC
Address 1001 West W. 1st Street
City, State, Zip Midland, TX 79706
Phone No. 261 658 3126

Permit/RRC No. _____
Lease/Well Name & No. New Oil & Gas
County _____
API No. _____
Rig Name & No. New Oil & Gas
AFE/PO No. _____

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds	NON-INJECTABLE WATERS	INJECTABLE WATERS
Oil Based Cuttings	Washout Water (Non-Injectable)	Washout Water (Injectable)
Water Based Muds	Completion Fluid/Flow back (Non-Injectable)	Completion Fluid/Flow back (Injectable)
Water Based Cuttings	Produced Water (Non-Injectable)	Produced Water (Injectable)
Produced Formation Solids	Gathering Line Water/Waste (Non-Injectable)	Gathering Line Water/Waste (Injectable)
Tank Bottoms	INTERNAL USE ONLY	OTHER EXEMPT WASTES (type and generation process of the waste)
E&P Contaminated Soil	Truck Washout (exempt waste)	
Gas Plant Waste		

WASTE GENERATION PROCESS: DRILLING COMPLETION PRODUCTION GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount

All non-exempt E&P waste must be analysed and be below the threshold limits for toxicity (TCLP), ignitability, Corrosivity and Reactivity.

Non-Exempt Other _____ *please select from Non-Exempt Waste List on back

QUANTITY B - BARRELS L - LIQUID 20 Y - YARDS E - EACH

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste load is (Check the appropriate classification)

- RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
- RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)
 - MSDS Information
 - RCRA Hazardous Waste Analysis
 - Other (Provide Description Below)

EMERGENCY NON-OILFIELD: Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety (the order, documentation of non-hazardous waste determination and a description of the waste must accompany this form)

Midland, TX on behalf of New Oil & Gas DATE 3/30/22 SIGNATURE [Signature]

TRANSPORTER

Transporter's Name BOJ ENTERPRISES Driver's Name Joe Wolf
Address 1705 Green St Print Name Joe Wolf
Carlsbad, NM Phone No. 575-909-0399
Phone No. 575-909-0399 Truck No. 607

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE 3-30-22 DRIVER'S SIGNATURE [Signature] DELIVERY DATE 3-30-22 DRIVER'S SIGNATURE [Signature]

TRUCK TIME STAMP

DISPOSAL FACILITY

RECEIVING AREA

IN: _____ OUT: _____ Name/No. _____

Site Name/ Permit No. Halfway Facility / NM1-006 Phone No. 575-393-1079
Address 6601 Hobbs Hwy US 62/180 Mile Marker 66 Carlsbad, NM 88220

NORM READINGS TAKEN? (Circle One) YES _____ NO _____ If YES, was reading > 50 micro roentgens? (circle one) YES _____ NO _____
PASS THE PAINT FILTER TEST? (Circle One) YES _____ NO _____

TANK BOTTOMS

	Feet	Inches	BS&W/BBLs Received	BS&W (%)
1st Gauge				
2nd Gauge				
Received			Free Water	
			Total Received	

I hereby certify that the above load material has been (circle one): ACCEPTED DENIED If denied, why? _____

NAME (PRINT) _____ DATE _____ TITLE _____ SIGNATURE _____

NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information



(PLEASE PRINT)

Name Kevin Murray

Phone No. 261 658 3146

GENERATOR

NO. 525608

Operator No. _____

Permit/RRC No. _____

Operators Name Monoval Gas LLC

Lease/Well _____

Address 1001 West 1st Street

Name & No. 1001 West 1st St

County _____

City, State, Zip Albuquerque, NM 87106

API No. _____

Phone No. 261 658 3146

Rig Name & No. Monoval Gas

AFE/PO No. _____

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds	NON-INJECTABLE WATERS	INJECTABLE WATERS
Oil Based Cuttings	Washout Water (Non-Injectable)	Washout Water (Injectable)
Water Based Muds	Completion Fluid/Flow back (Non-Injectable)	Completion Fluid/Flow back (Injectable)
Water Based Cuttings	Produced Water (Non-Injectable)	Produced Water (Injectable)
Produced Formation Solids	Gathering Line Water/Waste (Non-Injectable)	Gathering Line Water/Waste (Injectable)
Tank Bottoms	INTERNAL USE ONLY	OTHER EXEMPT WASTES (type and generation process of the waste)
E&P Contaminated Soil	Truck Washout (exempt waste)	
Gas Plant Waste		

WASTE GENERATION PROCESS: DRILLING COMPLETION PRODUCTION GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount

All non-exempt E&P waste must be analysed and be below the threshold limits for toxicity (TCLP), ignitability, corrosivity and reactivity.

Non-Exempt Other _____

*please select from Non-Exempt Waste List on back

QUANTITY B - BARRELS L - LIQUID Y - YARDS E - EACH

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste load is (Check the appropriate classification)

- RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
- RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)
 - MSDS Information
 - RCRA Hazardous Waste Analysis
 - Other (Provide Description Below)

EMERGENCY NON-OILFIELD: Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety (the order, documentation of non-hazardous waste determination and a description of the waste must accompany this form)

(PRINT) AUTHORIZED AGENTS NAME

DATE

SIGNATURE

TRANSPORTER

Transporter's Name BIDS
 Address 575 470 3744
1705 East Green St
Carlsbad NM
 Phone No. _____

Driver's Name Kevin Carrillo
 Print Name Kevin Carrillo
 Phone No. 979 407 5190
 Truck No. _____

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

TRUCK TIME STAMP

DISPOSAL FACILITY

RECEIVING AREA

IN: _____ OUT: _____

Name/No. _____

Site Name/Permit No. Halfway Facility / NM1-006
 Address 6601 Hobbs Hwy US 62/180 Mile Marker 66 Carlsbad, NM 88220

Phone No. 575-393-1079

NORM READINGS TAKEN? (Circle One) YES NO If YES, was reading > 50 micro roentgens? (circle one) YES NO
 PASS THE PAINT FILTER TEST? (Circle One) YES NO

TANK BOTTOMS

	Feet	Inches	BS&W/BBLS Received	BS&W (%)
1st Gauge			Free Water	
2nd Gauge			Total Received	
Received				

I hereby certify that the above load material has been (circle one): ACCEPTED DENIED If denied, why? _____

NAME (PRINT)

DATE

TITLE

SIGNATURE

NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST



(PLEASE PRINT)

Company Man Contact Information

Name Bryan Haney

Phone No. 361-6583126

GENERATOR

NO. 525609

Operator No. _____

Permit/RRC No. _____

Operators Name Wanda J. Lopez LLC

Lease/Well Name & No. _____

Address 1221 West Williams Blvd

County _____

City, State, Zip Delabon NM 87116

API No. _____

Phone No. 361 658 3126

Rig Name & No. WJO 06100 0790

AFE/PO No. _____

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds	NON-INJECTABLE WATERS	INJECTABLE WATERS
Oil Based Cuttings	Washout Water (Non-Injectable)	Washout Water (Injectable)
Water Based Muds	Completion Fluid/Flow back (Non-Injectable)	Completion Fluid/Flow back (Injectable)
Water Based Cuttings	Produced Water (Non-Injectable)	Produced Water (Injectable)
Produced Formation Solids	Gathering Line Water/Waste (Non-Injectable)	Gathering Line Water/Waste (Injectable)
Tank Bottoms	INTERNAL USE ONLY	OTHER EXEMPT WASTES (Type and generation process of the waste)
E&P Contaminated Soil	Truck Washout (exempt waste)	
Gas Plant Waste		

WASTE GENERATION PROCESS: DRILLING COMPLETION PRODUCTION GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount

All non-exempt E&P waste must be analysed and be below the threshold limits for toxicity (TCLP), ignitability, Corrosivity and Reactivity.

Non-Exempt Other _____ *please select from Non-Exempt Waste List on back

QUANTITY B - BARRELS L - LIQUID Y - YARDS E - EACH

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste load is (Check the appropriate classification)

- RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
- RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)
 - MSDS Information
 - RCRA Hazardous Waste Analysis
 - Other (Provide Description Below)

EMERGENCY NON-OILFIELD: Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety (the order, documentation of non-hazardous waste determination and a description of the waste must accompany this form)

(PRINT) AUTHORIZED AGENTS NAME _____ DATE 3/30/22 SIGNATURE _____

TRANSPORTER

Transporter's Name BTS Truck RISE Driver's Name DONALD BUTER

Address 1205 E. Gilman St. Carlsbad Print Name DONALD BUTER

Phone No. 575-689-8324 Truck No. 606

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE 3-30-22 DRIVER'S SIGNATURE Donald Buter DELIVERY DATE 3-30-22 DRIVER'S SIGNATURE Donald Buter

TRUCK TIME STAMP

DISPOSAL FACILITY

RECEIVING AREA

IN: _____ OUT: _____ Name/No. _____

Site Name/Permit No. Halfway Facility / NM1-006 Phone No. 575-393-1079

Address 6601 Hobbs Hwy US 62/180 Mile Marker 66 Carlsbad, NM 88220

NORM READINGS TAKEN? (Circle One) YES NO If YES, was reading > 50 micro roentgens? (circle one) YES NO

PASS THE PAINT FILTER TEST? (Circle One) YES NO

TANK BOTTOMS

	Feet	Inches	BS&W/BBLS Received	BS&W (%)
1st Gauge				
2nd Gauge			Free Water	
Received			Total Received	

I hereby certify that the above load material has been (circle one): ACCEPTED DENIED If denied, why? _____

NAME (PRINT) _____ DATE _____ TITLE _____ SIGNATURE _____

NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information



(PLEASE PRINT)

Name Byron Hickey

Phone No. 361-658-3126

GENERATOR

NO. 525610

Operator No. _____

Permit/RRC No. _____

Operators Name UVO OILFIELD SERVICES LLC

Lease/Well Name & No. _____

Address 10242 WILSON RD

County _____

City, State, Zip Mitchell, NM 87116

API No. _____

Phone No. 361-658-3126

Rig Name & No. UVO OILFIELD

AFE/PO No. _____

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds	NON-INJECTABLE WATERS	INJECTABLE WATERS
Oil Based Cuttings	Washout Water (Non-Injectable)	Washout Water (Injectable)
Water Based Muds	Completion Fluid/Flow back (Non-Injectable)	Completion Fluid/Flow back (Injectable)
Water Based Cuttings	Produced Water (Non-Injectable)	Produced Water (Injectable)
Produced Formation Solids	Gathering Line Water/Waste (Non-Injectable)	Gathering Line Water/Waste (Injectable)
Tank Bottoms	INTERNAL USE ONLY	OTHER EXEMPT WASTES (type and generation process of the waste)
E&P Contaminated Soil	Truck Washout (exempt waste)	
Gas Plant Waste		

WASTE GENERATION PROCESS: DRILLING COMPLETION PRODUCTION GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount

All non-exempt E&P waste must be analysed and be below the threshold limits for toxicity (TCLP), ignitability, Corrosivity and Reactivity.

Non-Exempt Other _____ *please select from Non-Exempt Waste List on back

QUANTITY B - BARRELS L - LIQUID 20 Y - YARDS E - EACH

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste load is (Check the appropriate classification)

- RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
- RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)
 - MSDS Information
 - RCRA Hazardous Waste Analysis
 - Other (Provide Description Below)

EMERGENCY NON-OILFIELD: Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety (the order, documentation of non-hazardous waste determination and a description of the waste must accompany this form)

(PRINT) AUTHORIZED AGENTS NAME _____ DATE _____ SIGNATURE _____

TRANSPORTER

Transporter's Name BOS ENTERPRISES Driver's Name Tom Welp

Address 1705 E. Greer St Print Name Tom Welp

Phone No. 575-909-0359 Phone No. 575-909-0359

Truck No. 67

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE 3-30-22 DRIVER'S SIGNATURE _____ DELIVERY DATE 3-31-22 DRIVER'S SIGNATURE _____

TRUCK TIME STAMP

DISPOSAL FACILITY

RECEIVING AREA

IN: _____ OUT: _____ Name/No. _____

Site Name/ Permit No. Halfway Facility / NM1-006 Phone No. 575-393-1079

Address 6601 Hobbs Hwy US 62/180 Mile Marker 66 Carlsbad, NM 88220

NORM READINGS TAKEN? (Circle One) YES NO If YES, was reading > 50 micro roentgens? (circle one) YES NO

PASS THE PAINT FILTER TEST? (Circle One) YES NO

TANK BOTTOMS

1st Gauge	Feet	Inches	BS&W/BBLs Received	BS&W (%)
2nd Gauge			Free Water	
Received			Total Received	

I hereby certify that the above load material has been (circle one): ACCEPTED DENIED If denied, why? _____

NAME (PRINT) _____ DATE _____ TITLE _____ SIGNATURE _____

NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information



(PLEASE PRINT)

Name Ramon Carrillo

Phone No. 361 658 3126

GENERATOR

NO. **525611**

Operator No. _____

Permit/RRC No. _____

Operators Name Mexco Oil Gas LLC

Lease/Well Name & No. NEO 000123 0101

Address 1001 West 4th Street

County _____

City, State, Zip Carlsbad NM 88220

API No. _____

Phone No. 361 658 3126

Rig Name & No. WUS 000123 0101

AFE/PO No. _____

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds	NON-INJECTABLE WATERS	INJECTABLE WATERS
Oil Based Cuttings	Washout Water (Non-Injectable)	Washout Water (Injectable)
Water Based Muds	Completion Fluid/Flow back (Non-Injectable)	Completion Fluid/Flow back (Injectable)
Water Based Cuttings	Produced Water (Non-Injectable)	Produced Water (Injectable)
Produced Formation Solids	Gathering Line Water/Waste (Non-Injectable)	Gathering Line Water/Waste (Injectable)
Tank Bottoms	INTERNAL USE ONLY	OTHER EXEMPT WASTES (type and generation process of the waste)
E&P Contaminated Soil	Truck Washout (exempt waste)	
Gas Plant Waste		

WASTE GENERATION PROCESS: DRILLING COMPLETION PRODUCTION GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount

All non-exempt E&P waste must be analysed and be below the threshold limits for toxicity (TCLP), ignitability, Corrosivity and Reactivity.

Non-Exempt Other _____ *please select from Non-Exempt Waste List on back

QUANTITY B - BARRELS L - LIQUID Y - YARDS E - EACH

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste load is (Check the appropriate classification)

- RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
- RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)
 - MSDS Information
 - RCRA Hazardous Waste Analysis
 - Other (Provide Description Below)

EMERGENCY NON-OILFIELD: Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety (the order, documentation of non-hazardous waste determination and a description of the waste must accompany this form)

(PRINT) AUTHORIZED AGENTS NAME

DATE

SIGNATURE

TRANSPORTER

Transporter's Name RDS
 Address 575 170 37 44
1705 East Green St
Carlsbad Nm

Driver's Name Ramon Carrillo
 Print Name Ramon Carrillo
 Phone No. 979 401 59 90
 Truck No. 54

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

TRUCK TIME STAMP

DISPOSAL FACILITY

RECEIVING AREA

IN: _____ OUT: _____

Name/No. _____

Site Name/ Permit No. Halfway Facility / NM1-006
 Address 6601 Hobbs Hwy US 62/180 Mile Marker 66 Carlsbad, NM 88220

Phone No. 575-393-1079

NORM READINGS TAKEN? (Circle One) YES NO If YES, was reading > 50 micro roentgens? (circle one) YES NO
 PASS THE PAINT FILTER TEST? (Circle One) YES NO

TANK BOTTOMS

	Feet	Inches	BS&W/BBLS Received	BS&W (%)
1st Gauge			Free Water	
2nd Gauge			Total Received	
Received				

I hereby certify that the above load material has been (circle one): ACCEPTED DENIED If denied, why? _____

NAME (PRINT)

DATE

TITLE

SIGNATURE

NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information



(PLEASE PRINT)

Name Raymond Lopez

Phone No. 505-837-2000

GENERATOR

NO. **525615**

Operator No. _____

Permit/RRC No. _____

Operators Name Raymond Lopez LLC

Lease/Well _____

Address 1201 West Colfax Blvd

Name & No. Hand Addition of Prod

City, State, Zip Albany City, NM 87106

County _____

Phone No. 505-658-2126

API No. _____

Rig Name & No. Hand Addition of Prod

AFE/PO No. _____

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds	NON-INJECTABLE WATERS	INJECTABLE WATERS
Oil Based Cuttings	Washout Water (Non-Injectable)	Washout Water (Injectable)
Water Based Muds	Completion Fluid/Flow back (Non-Injectable)	Completion Fluid/Flow back (Injectable)
Water Based Cuttings	Produced Water (Non-Injectable)	Produced Water (Injectable)
Produced Formation Solids	Gathering Line Water/Waste (Non-Injectable)	Gathering Line Water/Waste (Injectable)
Tank Bottoms	INTERNAL USE ONLY	OTHER EXEMPT WASTES (type and generation process of the waste)
E&P Contaminated Soil	Truck Washout (exempt waste)	
Gas Plant Waste		

WASTE GENERATION PROCESS: DRILLING COMPLETION PRODUCTION GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount

All non-exempt E&P waste must be analysed and be below the threshold limits for toxicity (TCLP), ignitability, Corrosivity and Reactivity.

Non-Exempt Other _____

*please select from Non-Exempt Waste List on back

QUANTITY B - BARRELS L - LIQUID Y - YARDS E - EACH

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste load is (Check the appropriate classification)

RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)

RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

MSDS Information RCRA Hazardous Waste Analysis Other (Provide Description Below)

EMERGENCY NON-OILFIELD: Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety (the order, documentation of non-hazardous waste determination and a description of the waste must accompany this form)

(PRINT) AUTHORIZED AGENTS NAME Raymond Lopez

DATE 5-19-22

SIGNATURE Raymond Lopez

TRANSPORTER

Transporter's Name BIDS Environmental Services

Driver's Name DOMINIC BOUTER

Address 1705 E. Colfax Blvd

Print Name DOMINIC BOUTER

Phone No. 505-688-5304

Phone No. _____

Truck No. FL6

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE 5-19-22

DRIVER'S SIGNATURE DOMINIC BOUTER

DELIVERY DATE 5-31-22

DRIVER'S SIGNATURE DOMINIC BOUTER

TRUCK TIME STAMP

DISPOSAL FACILITY

RECEIVING AREA

IN: _____ OUT: _____

Name/No. _____

Site Name/ Halfway Facility / NM1-006

Phone No. 575-393-1079

Permit No. _____

Address 6601 Hobbs Hwy US 62/180 Mile Marker 66 Carlsbad, NM 88220

NORM READINGS TAKEN? (Circle One) YES NO If YES, was reading > 50 micro roentgens? (circle one) YES NO

PASS THE PAINT FILTER TEST? (Circle One) YES NO

TANK BOTTOMS

	Feet	Inches	BS&W/BBLs Received	BS&W (%)
1st Gauge				
2nd Gauge			Free Water	
Received			Total Received	

I hereby certify that the above load material has been (circle one): ACCEPTED DENIED If denied, why? _____

NAME (PRINT) _____

DATE _____

TITLE _____

SIGNATURE _____



NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information

(PLEASE PRINT)

Name Raymond

Phone No. 505-325-5116

GENERATOR

NO. **530015**

Operator No. _____

Permit/RRC No. _____

Operators Name Waddell Environmental Services LLC

Lease/Well _____

Address 1225 E. Grand Ave. Carlsbad, NM

Name & No. Waddell Environmental Services LLC

City, State, Zip Carlsbad, NM 88220

County _____

Phone No. 505-325-5116

API No. _____

Rig Name & No. Waddell Environmental Services LLC

AFE/PO No. _____

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds	_____	NON-INJECTABLE WATERS	_____	INJECTABLE WATERS	_____
Oil Based Cuttings	_____	Washout Water (Non-Injectable)	_____	Washout Water (Injectable)	_____
Water Based Muds	_____	Completion Fluid/Flow back (Non-Injectable)	_____	Completion Fluid/Flow back (Injectable)	_____
Water Based Cuttings	_____	Produced Water (Non-Injectable)	_____	Produced Water (Injectable)	_____
Produced Formation Solids	_____	Gathering Line Water/Waste (Non-Injectable)	_____	Gathering Line Water/Waste (Injectable)	_____
Tank Bottoms	_____	INTERNAL USE ONLY	_____	OTHER EXEMPT WASTES (type and generation process of the waste)	_____
E&P Contaminated Soil	_____	Truck Washout (exempt waste)	_____		
Gas Plant Waste	_____				

WASTE GENERATION PROCESS: DRILLING COMPLETION PRODUCTION GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount
All non-exempt E&P waste must be analysed and be below the threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other _____ *please select from Non-Exempt Waste List on back

QUANTITY B - BARRELS L - LIQUID 20 Y - YARDS E - EACH

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste load is (Check the appropriate classification)

RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)

RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)

MSDS Information RCRA Hazardous Waste Analysis Other (Provide Description Below)

EMERGENCY NON-OILFIELD: Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety (the order, documentation of non-hazardous waste determination and a description of the waste must accompany this form)

(PRINT) AUTHORIZED AGENTS NAME Raymond

DATE 5/19/22

SIGNATURE [Signature]

TRANSPORTER

Transporter's Name BDS Environmental Services

Driver's Name DONALD BUTLER

Address 1225 E. Grand Ave. Carlsbad, NM

Print Name DONALD BUTLER

Phone No. 575-691-3329

Phone No. _____

Truck No. 66

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE 3-31-22

DRIVER'S SIGNATURE [Signature]

DELIVERY DATE 3-31-22

DRIVER'S SIGNATURE [Signature]

TRUCK TIME STAMP

DISPOSAL FACILITY

RECEIVING AREA

IN: _____ OUT: _____

Name/No. _____

Site Name/ Permit No. Halfway Facility / NM1-006

Phone No. 575-393-1079

Address 6601 Hobbs Hwy US 62/180 Mile Marker 66 Carlsbad, NM 88220

NORM READINGS TAKEN? (Circle One) YES NO If YES, was reading > 50 micro roentgens? (circle one) YES NO
PASS THE PAINT FILTER TEST? (Circle One) YES NO

TANK BOTTOMS

	Feet	Inches	BS&W/BBLs Received	BS&W (%)
1st Gauge				
2nd Gauge			Free Water	
Received			Total Received	

I hereby certify that the above load material has been (circle one): ACCEPTED DENIED If denied, why? _____

NAME (PRINT) _____

DATE _____

TITLE _____

SIGNATURE _____

NEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST

Company Man Contact Information



(PLEASE PRINT)

Name Bryan Hagan

Phone No. 505 658 2126

GENERATOR

NO. **530016**

Operator No. _____

Permit/RRC No. _____

Operators Name Abdo Oil & Gas LLC

Lease/Well Name & No. Abdo Nelson 1210

Address 1021 West Wilshire Blvd

County _____

City, State, Zip Albuquerque, NM 87106

API No. _____

Phone No. 505 658 3126

Rig Name & No. 1502

AFE/PO No. _____

EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards)

Oil Based Muds	NON-INJECTABLE WATERS	INJECTABLE WATERS
Oil Based Cuttings	Washout Water (Non-Injectable)	Washout Water (Injectable)
Water Based Muds	Completion Fluid/Flow back (Non-Injectable)	Completion Fluid/Flow back (Injectable)
Water Based Cuttings	Produced Water (Non-Injectable)	Produced Water (Injectable)
Produced Formation Solids	Gathering Line Water/Waste (Non-Injectable)	Gathering Line Water/Waste (Injectable)
Tank Bottoms	INTERNAL USE ONLY	OTHER EXEMPT WASTES (type and generation process of the waste)
E&P Contaminated Soil	Truck Washout (exempt waste)	
Gas Plant Waste		

WASTE GENERATION PROCESS: DRILLING COMPLETION PRODUCTION GATHERING LINES

NON-EXEMPT E&P Waste/Service Identification and Amount

All non-exempt E&P waste must be analysed and be below the threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity.

Non-Exempt Other _____ *please select from Non-Exempt Waste List on back

QUANTITY B - BARRELS L - LIQUID 20 Y - YARDS E - EACH

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste load is (Check the appropriate classification)

- RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a per load basis only)
- RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as non-hazardous is attached. (Check the appropriate items as provided)
 - MSDS Information
 - RCRA Hazardous Waste Analysis
 - Other (Provide Description Below)

EMERGENCY NON-OILFIELD: Emergency non-hazardous, non-oilfield waste that has been ordered by the Department of Public Safety (the order, documentation of non-hazardous waste determination and a description of the waste must accompany this form)

(PRINT) AUTHORIZED AGENTS NAME

DATE

SIGNATURE

TRANSPORTER

Transporter's Name BID'S ENTERPRISE

Address 1725 E. GOV. AVENUE

Phone No. 575-123-3324

Driver's Name DOUGLAS PATRICK

Print Name DOUGLAS PATRICK

Phone No. _____

Truck No. 66

I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below.

SHIPMENT DATE

DRIVER'S SIGNATURE

DELIVERY DATE

DRIVER'S SIGNATURE

TRUCK TIME STAMP

DISPOSAL FACILITY

RECEIVING AREA

IN: _____ OUT: _____

Name/No. _____

Site Name/Permit No. Halfway Facility / NM1-006

Address 6601 Hobbs Hwy US 62/180 Mile Marker 66 Carlsbad, NM 88220

Phone No. 575-393-1079

NORM READINGS TAKEN? (Circle One) YES NO If YES, was reading > 50 micro roentgens? (circle one) YES NO

PASS THE PAINT FILTER TEST? (Circle One) YES NO

TANK BOTTOMS

	Feet	Inches	BS&W/BBLS Received	BS&W (%)
1st Gauge			Free Water	
2nd Gauge			Total Received	
Received				

I hereby certify that the above load material has been (circle one): ACCEPTED DENIED If denied, why? _____

NAME (PRINT)

DATE

TITLE

SIGNATURE



APPENDIX E
Laboratory Analytical Data Reports



ANALYTICAL REPORT

January 19, 2022

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Tr
- 6 Sr
- 7 Qc
- 8 Gl
- 9 Al
- 10 Sc

Altamira - Angleton, TX

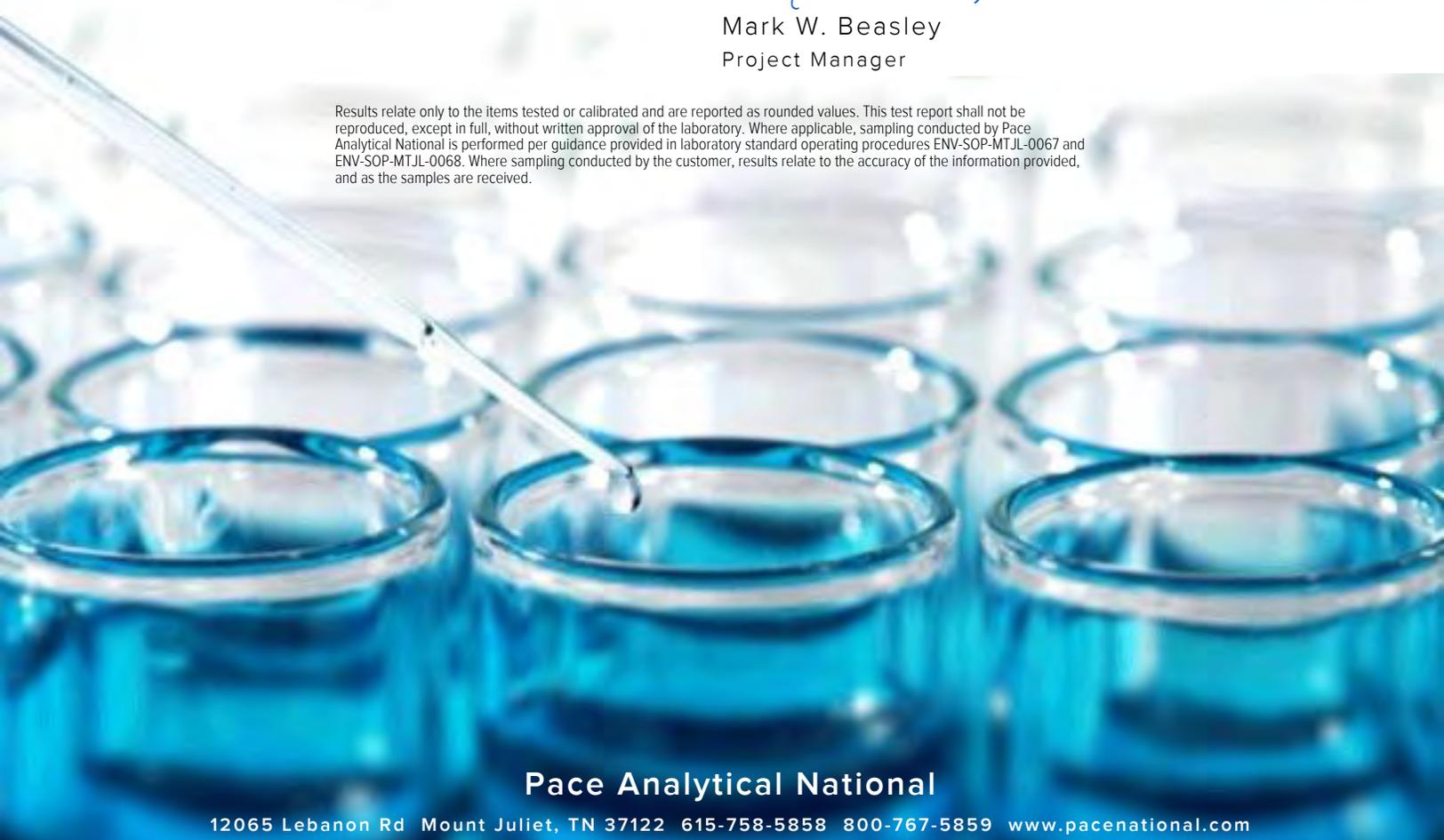
Sample Delivery Group: L1451641
 Samples Received: 01/14/2022
 Project Number: NVONM2104 PHASE 001
 Description: Novo Ovation Pad O Release

Report To: Bryan Haney
 4001 Technology Drive, Ste 120
 Angleton, TX 77515

Entire Report Reviewed By:

Mark W. Beasley
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.



Pace Analytical National

12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 www.pacenational.com

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Gl: Glossary of Terms 31

Al: Accreditations & Locations 32

Sc: Sample Chain of Custody 33



UL-1(0-0.5) L1451641-01 Solid

Collected by AG Collected date/time 01/12/22 12:47 Received date/time 01/14/22 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1803231	1	01/17/22 08:16	01/17/22 08:22	CMK	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1803340	10	01/17/22 23:05	01/18/22 03:36	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1803574	25	01/12/22 12:47	01/18/22 03:56	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1803149	1	01/12/22 12:47	01/17/22 01:39	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1802948	1	01/16/22 14:14	01/17/22 01:49	TJD	Mt. Juliet, TN

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Tr
- 6 Sr
- 7 Qc
- 8 Gl
- 9 Al
- 10 Sc

UL-2(0-0.5) L1451641-02 Solid

Collected by AG Collected date/time 01/12/22 12:53 Received date/time 01/14/22 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1803231	1	01/17/22 08:16	01/17/22 08:22	CMK	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1803340	100	01/17/22 23:05	01/18/22 03:46	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1803574	25	01/12/22 12:53	01/18/22 04:51	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1803149	1	01/12/22 12:53	01/17/22 01:58	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1802948	25	01/16/22 14:14	01/18/22 06:46	JAS	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1802948	5	01/16/22 14:14	01/17/22 04:30	TJD	Mt. Juliet, TN

UL-3(0-0.5) L1451641-03 Solid

Collected by AG Collected date/time 01/12/22 12:59 Received date/time 01/14/22 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1803231	1	01/17/22 08:16	01/17/22 08:22	CMK	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1803340	1	01/17/22 23:05	01/18/22 03:55	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1804127	52.5	01/12/22 12:59	01/18/22 19:44	BMB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1803149	8.4	01/12/22 12:59	01/17/22 04:34	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1802948	1	01/16/22 14:14	01/17/22 01:36	TJD	Mt. Juliet, TN

UL-4(0-0.5) L1451641-04 Solid

Collected by AG Collected date/time 01/12/22 13:06 Received date/time 01/14/22 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1803231	1	01/17/22 08:16	01/17/22 08:22	CMK	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1803340	10	01/17/22 23:05	01/18/22 04:05	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1803574	25	01/12/22 13:06	01/18/22 04:18	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1803149	1	01/12/22 13:06	01/17/22 02:18	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1802948	25	01/16/22 14:14	01/18/22 06:59	JAS	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1802948	5	01/16/22 14:14	01/17/22 04:43	TJD	Mt. Juliet, TN

UL-5(0-0.5) L1451641-05 Solid

Collected by AG Collected date/time 01/12/22 13:13 Received date/time 01/14/22 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1803232	1	01/18/22 05:30	01/18/22 05:41	CMK	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1803340	20	01/17/22 23:05	01/18/22 04:24	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1803574	250	01/12/22 13:13	01/18/22 11:39	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1803149	20	01/12/22 13:13	01/17/22 04:53	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1802948	100	01/16/22 14:14	01/18/22 09:36	JAS	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1802948	5	01/16/22 14:14	01/17/22 04:57	TJD	Mt. Juliet, TN

LL-1(0-0.5) L1451641-06 Solid

Collected by AG
 Collected date/time 01/12/22 13:49
 Received date/time 01/14/22 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1803232	1	01/18/22 05:30	01/18/22 05:41	CMK	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1803340	1	01/17/22 23:05	01/18/22 04:52	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1803574	39	01/12/22 13:49	01/18/22 05:13	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1803149	1.56	01/12/22 13:49	01/17/22 02:37	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1802948	1	01/16/22 14:14	01/17/22 02:02	TJD	Mt. Juliet, TN

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn

LL-2(0-0.5) L1451641-07 Solid

Collected by AG
 Collected date/time 01/12/22 13:52
 Received date/time 01/14/22 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1803232	1	01/18/22 05:30	01/18/22 05:41	CMK	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1803340	1	01/17/22 23:05	01/18/22 05:02	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1803574	25	01/12/22 13:52	01/18/22 05:52	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1803149	1	01/12/22 13:52	01/17/22 02:57	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1803887	1	01/16/22 14:14	01/17/22 02:29	JAS	Mt. Juliet, TN

- 5 Tr
- 6 Sr
- 7 Qc
- 8 Gl

LL-3(0-0.5) L1451641-08 Solid

Collected by AG
 Collected date/time 01/12/22 13:54
 Received date/time 01/14/22 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1803232	1	01/18/22 05:30	01/18/22 05:41	CMK	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1803340	1	01/17/22 23:05	01/18/22 05:11	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1804356	25	01/12/22 13:54	01/19/22 06:45	MGF	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1803149	1	01/12/22 13:54	01/17/22 03:16	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1802948	1	01/16/22 14:14	01/17/22 02:16	TJD	Mt. Juliet, TN

- 9 Al
- 10 Sc

LL-4(0-0.5) L1451641-09 Solid

Collected by AG
 Collected date/time 01/12/22 13:57
 Received date/time 01/14/22 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1803232	1	01/18/22 05:30	01/18/22 05:41	CMK	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1803340	1	01/17/22 23:05	01/18/22 05:21	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1804127	25	01/12/22 13:57	01/18/22 20:28	BMB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1803149	1	01/12/22 13:57	01/17/22 03:35	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1802948	1	01/16/22 14:14	01/18/22 06:19	JAS	Mt. Juliet, TN

LL-5(0-0.5) L1451641-10 Solid

Collected by AG
 Collected date/time 01/12/22 14:01
 Received date/time 01/14/22 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1803232	1	01/18/22 05:30	01/18/22 05:41	CMK	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1803340	10	01/17/22 23:05	01/18/22 05:30	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1803574	26.3	01/12/22 14:01	01/18/22 09:40	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1803149	1.05	01/12/22 14:01	01/17/22 03:55	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1802948	1	01/16/22 14:14	01/17/22 03:23	TJD	Mt. Juliet, TN

SAMPLE SUMMARY

LL-6(0-0.5) L1451641-11 Solid

Collected by: AG
 Collected date/time: 01/12/22 14:04
 Received date/time: 01/14/22 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1803232	1	01/18/22 05:30	01/18/22 05:41	CMK	Mt. Juliet, TN
Wet Chemistry by Method 300.0	WG1803340	1	01/17/22 23:05	01/18/22 05:40	ELN	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG1803574	25	01/12/22 14:04	01/18/22 10:23	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1803149	1	01/12/22 14:04	01/17/22 04:14	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015M	WG1802948	1	01/16/22 14:14	01/17/22 03:36	TJD	Mt. Juliet, TN

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Tr
- 6 Sr
- 7 Qc
- 8 Gl
- 9 Al
- 10 Sc

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Mark W. Beasley
Project Manager

- ¹ Cp
- ² Tc
- ³ Ss
- ⁴ Cn
- ⁵ Tr
- ⁶ Sr
- ⁷ Qc
- ⁸ Gl
- ⁹ Al
- ¹⁰ Sc

Laboratory Data Package Cover Page

This data package consists of this signature page, the laboratory review checklist, and the following reportable data as applicable:

- R1 - Field chain-of-custody documentation;
- R2 - Sample identification cross-reference;
- R3 - Test reports (analytical data sheets) for each environmental sample that includes:
 - a. Items consistent with NELAC Chapter 5,
 - b. dilution factors,
 - c. preparation methods,
 - d. cleanup methods, and
 - e. if required for the project, tentatively identified compounds (TICs).
- R4 - Surrogate recovery data including:
 - a. Calculated recovery (%R), and
 - b. The laboratory's surrogate QC limits.
- R5 - Test reports/summary forms for blank samples;
- R6 - Test reports/summary forms for laboratory control samples (LCSs) including:
 - a. LCS spiking amounts,
 - b. Calculated %R for each analyte, and
 - c. The laboratory's LCS QC limits.
- R7 - Test reports for project matrix spike/matrix spike duplicates (MS/MSDs) including:
 - a. Samples associated with the MS/MSD clearly identified,
 - b. MS/MSD spiking amounts,
 - c. Concentration of each MS/MSD analyte measured in the parent and spiked samples,
 - d. Calculated %Rs and relative percent differences (RPDs), and
 - e. The laboratory's MS/MSD QC limits
- R8 - Laboratory analytical duplicate (if applicable) recovery and precision:
 - a. The amount of analyte measured in the duplicate,
 - b. The calculated RPD, and
 - c. The laboratory's QC limits for analytical duplicates.
- R9 - List of method quantitation limits (MQLs) and detectability check sample results for each analyte for each method and matrix.
- R10 - Other problems or anomalies.

Release Statement: I am responsible for the release of this laboratory data package. This laboratory is NELAC accredited under the Texas Laboratory Accreditation Program for all the methods, analytes, and matrices reported in this data package except as noted in the Exception Reports. The data have been reviewed and are technically compliant with the requirements of the methods used, except where noted by the laboratory in the Exception Reports. By my signature below, I affirm to the best of my knowledge all problems/anomalies observed by the laboratory have been identified in the Laboratory Review Checklist, and no information affecting the quality of the data has been knowingly withheld.



Mark W. Beasley
Project Manager

Laboratory Review Checklist: Reportable Data

Laboratory Name: Pace Analytical National		LRC Date: 01/19/2022 14:32					
Project Name: Novo Ovation Pad O Release		Laboratory Job Number: L1451641-01, 02, 03, 04, 05, 06, 07, 08, 09, 10 and 11					
Reviewer Name: Mark W. Beasley		Prep Batch Number(s): WG1802948, WG1803231, WG1803149, WG1803887, WG1803340, WG1803574, WG1804127, WG1803232 and WG1804356					
# ¹	A ²	Description	Yes	No	NA ³	NR ⁴	ER# ⁵
R1	OI	Chain-of-custody (C-O-C)					
		Did samples meet the laboratory's standard conditions of sample acceptability upon receipt?	X				
		Were all departures from standard conditions described in an exception report?			X		
R2	OI	Sample and quality control (QC) identification					
		Are all field sample ID numbers cross-referenced to the laboratory ID numbers?	X				
		Are all laboratory ID numbers cross-referenced to the corresponding QC data?	X				
R3	OI	Test reports					
		Were all samples prepared and analyzed within holding times?	X				
		Other than those results < MQL, were all other raw values bracketed by calibration standards?	X				
		Were calculations checked by a peer or supervisor?	X				
		Were all analyte identifications checked by a peer or supervisor?	X				
		Were sample detection limits reported for all analytes not detected?	X				
		Were all results for soil and sediment samples reported on a dry weight basis?	X				
		Were % moisture (or solids) reported for all soil and sediment samples?	X				
		Were bulk soils/solids samples for volatile analysis extracted with methanol per SW846 Method 5035?	X				
		If required for the project, are TICs reported?			X		
R4	O	Surrogate recovery data					
		Were surrogates added prior to extraction?	X				
		Were surrogate percent recoveries in all samples within the laboratory QC limits?		X			1
R5	OI	Test reports/summary forms for blank samples					
		Were appropriate type(s) of blanks analyzed?	X				
		Were blanks analyzed at the appropriate frequency?	X				
		Were method blanks taken through the entire analytical process, including preparation and, if applicable, cleanup procedures?	X				
		Were blank concentrations < MQL?	X				
R6	OI	Laboratory control samples (LCS):					
		Were all COCs included in the LCS?	X				
		Was each LCS taken through the entire analytical procedure, including prep and cleanup steps?	X				
		Were LCSs analyzed at the required frequency?	X				
		Were LCS (and LCSD, if applicable) %Rs within the laboratory QC limits?	X				
		Does the detectability check sample data document the laboratory's capability to detect the COCs at the MDL used to calculate the SDLs?	X				
		Was the LCSD RPD within QC limits?	X				
R7	OI	Matrix spike (MS) and matrix spike duplicate (MSD) data					
		Were the project/method specified analytes included in the MS and MSD?	X				
		Were MS/MSD analyzed at the appropriate frequency?	X				
		Were MS (and MSD, if applicable) %Rs within the laboratory QC limits?		X			2
		Were MS/MSD RPDs within laboratory QC limits?		X			3
R8	OI	Analytical duplicate data					
		Were appropriate analytical duplicates analyzed for each matrix?	X				
		Were analytical duplicates analyzed at the appropriate frequency?	X				
		Were RPDs or relative standard deviations within the laboratory QC limits?	X				
R9	OI	Method quantitation limits (MQLs):					
		Are the MQLs for each method analyte included in the laboratory data package?	X				
		Do the MQLs correspond to the concentration of the lowest non-zero calibration standard?	X				
		Are unadjusted MQLs and DCSs included in the laboratory data package?	X				
R10	OI	Other problems/anomalies					
		Are all known problems/anomalies/special conditions noted in this LRC and ER?	X				
		Was applicable and available technology used to lower the SDL to minimize the matrix interference effects on the sample results?	X				
		Is the laboratory NELAC-accredited under the Texas Laboratory Accreditation Program for the analytes, matrices and methods associated with this laboratory data package?	X				

1. Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
 2. O = organic analyses; I = inorganic analyses (and general chemistry, when applicable);
 3. NA = Not applicable;
 4. NR = Not reviewed;
 5. ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Laboratory Review Checklist: Supporting Data

Laboratory Name: Pace Analytical National	LRC Date: 01/19/2022 14:32
Project Name: Novo Ovation Pad O Release	Laboratory Job Number: L1451641-01, 02, 03, 04, 05, 06, 07, 08, 09, 10 and 11
Reviewer Name: Mark W. Beasley	Prep Batch Number(s): WG1802948, WG1803231, WG1803149, WG1803887, WG1803340, WG1803574, WG1804127, WG1803232 and WG1804356

# ¹	A ²	Description	Yes	No	NA ³	NR ⁴	ER# ⁵
S1	OI	Initial calibration (ICAL)					
		Were response factors and/or relative response factors for each analyte within QC limits?	X				
		Were percent RSDs or correlation coefficient criteria met?	X				
		Was the number of standards recommended in the method used for all analytes?	X				
		Were all points generated between the lowest and highest standard used to calculate the curve?	X				
		Are ICAL data available for all instruments used?	X				
		Has the initial calibration curve been verified using an appropriate second source standard?	X				
S2	OI	Initial and continuing calibration verification (ICCV and CCV) and continuing calibration blank (CCB):					
		Was the CCV analyzed at the method-required frequency?	X				
		Were percent differences for each analyte within the method-required QC limits?	X				
		Was the ICAL curve verified for each analyte?	X				
		Was the absolute value of the analyte concentration in the inorganic CCB < MDL?	X				
S3	O	Mass spectral tuning					
		Was the appropriate compound for the method used for tuning?	X				
		Were ion abundance data within the method-required QC limits?	X				
S4	O	Internal standards (IS)					
		Were IS area counts and retention times within the method-required QC limits?	X				
S5	OI	Raw data (NELAC Section 5.5.10)					
		Were the raw data (for example, chromatograms, spectral data) reviewed by an analyst?	X				
		Were data associated with manual integrations flagged on the raw data?	X				
S6	O	Dual column confirmation					
		Did dual column confirmation results meet the method-required QC?			X		
S7	O	Tentatively identified compounds (TICs)					
		If TICs were requested, were the mass spectra and TIC data subject to appropriate checks?			X		
S8	I	Interference Check Sample (ICS) results					
		Were percent recoveries within method QC limits?			X		
S9	I	Serial dilutions, post digestion spikes, and method of standard additions					
		Were percent differences, recoveries, and the linearity within the QC limits specified in the method?			X		
S10	OI	Method detection limit (MDL) studies					
		Was a MDL study performed for each reported analyte?	X				
		Is the MDL either adjusted or supported by the analysis of DCSs?	X				
S11	OI	Proficiency test reports					
		Was the laboratory's performance acceptable on the applicable proficiency tests or evaluation studies?	X				
S12	OI	Standards documentation					
		Are all standards used in the analyses NIST-traceable or obtained from other appropriate sources?	X				
S13	OI	Compound/analyte identification procedures					
		Are the procedures for compound/analyte identification documented?	X				
S14	OI	Demonstration of analyst competency (DOC)					
		Was DOC conducted consistent with NELAC Chapter 5?	X				
		Is documentation of the analyst's competency up-to-date and on file?	X				
S15	OI	Verification/validation documentation for methods (NELAC Chapter 5)					
		Are all the methods used to generate the data documented, verified, and validated, where applicable?	X				
S16	OI	Laboratory standard operating procedures (SOPs)					
		Are laboratory SOPs current and on file for each method performed	X				

- Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
- O = organic analyses; I = inorganic analyses (and general chemistry, when applicable);
- NA = Not applicable;
- NR = Not reviewed;
- ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Laboratory Review Checklist: Exception Reports

Laboratory Name: Pace Analytical National	LRC Date: 01/19/2022 14:32
Project Name: Novo Ovation Pad O Release	Laboratory Job Number: L1451641-01, 02, 03, 04, 05, 06, 07, 08, 09, 10 and 11
Reviewer Name: Mark W. Beasley	Prep Batch Number(s): WG1802948, WG1803231, WG1803149, WG1803887, WG1803340, WG1803574, WG1804127, WG1803232 and WG1804356

ER # ¹	Description
1	8015M WG1802948 o-Terphenyl L1451641-02, 04 and 05: Percent Recovery is outside of established control limits.
2	8015M WG1803887 C10-C28 Diesel Range: Percent Recovery is outside of established control limits. 8260B WG1803149 Ethylbenzene, Toluene, Xylenes, Total: Percent Recovery is outside of established control limits.
3	8015M WG1803887 C10-C28 Diesel Range: Relative Percent Difference is outside of established control limits.

1. Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
2. O = organic analyses; I = inorganic analyses (and general chemistry, when applicable);
3. NA = Not applicable;
4. NR = Not reviewed;
5. ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Collected date/time: 01/12/22 12:47

L1451641

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
Total Solids	79.3		1	01/17/2022 08:22	WG1803231

1 Cp

2 Tc

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
Chloride	4680		116	20.0	252	10	01/18/2022 03:36	WG1803340

3 Ss

4 Cn

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
TPH (GC/FID) Low Fraction	4.08		0.826	0.100	3.81	25	01/18/2022 03:56	WG1803574
(S) a,a,a-Trifluorotoluene(FID)	97.2				77.0-120		01/18/2022 03:56	WG1803574

5 Tr

6 Sr

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
Benzene	U		0.000711	0.00100	0.00152	1	01/17/2022 01:39	WG1803149
Toluene	U		0.00198	0.00500	0.00762	1	01/17/2022 01:39	WG1803149
Ethylbenzene	U		0.00112	0.00250	0.00381	1	01/17/2022 01:39	WG1803149
Total Xylenes	U		0.00134	0.00650	0.00990	1	01/17/2022 01:39	WG1803149
(S) Toluene-d8	94.7				75.0-131		01/17/2022 01:39	WG1803149
(S) 4-Bromofluorobenzene	101				67.0-138		01/17/2022 01:39	WG1803149
(S) 1,2-Dichloroethane-d4	94.6				70.0-130		01/17/2022 01:39	WG1803149

7 Qc

8 Gl

9 Al

10 Sc

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
C10-C28 Diesel Range	70.2		2.03	4.00	5.04	1	01/17/2022 01:49	WG1802948
C28-C36 Motor Oil Range	1.02	J	0.345	4.00	5.04	1	01/17/2022 01:49	WG1802948
(S) o-Terphenyl	62.7				18.0-148		01/17/2022 01:49	WG1802948

Collected date/time: 01/12/22 12:53

L1451641

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
Total Solids	90.1		1	01/17/2022 08:22	WG1803231

1 Cp

2 Tc

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
Chloride	11400		1020	20.0	2220	100	01/18/2022 03:46	WG1803340

3 Ss

4 Cn

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
TPH (GC/FID) Low Fraction	96.8		0.662	0.100	3.05	25	01/18/2022 04:51	WG1803574
(S) a,a,a-Trifluorotoluene(FID)	96.6				77.0-120		01/18/2022 04:51	WG1803574

5 Tr

6 Sr

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
Benzene	U		0.000570	0.00100	0.00122	1	01/17/2022 01:58	WG1803149
Toluene	0.00232	J	0.00159	0.00500	0.00610	1	01/17/2022 01:58	WG1803149
Ethylbenzene	0.00156	J	0.000900	0.00250	0.00305	1	01/17/2022 01:58	WG1803149
Total Xylenes	0.00818		0.00107	0.00650	0.00793	1	01/17/2022 01:58	WG1803149
(S) Toluene-d8	87.5				75.0-131		01/17/2022 01:58	WG1803149
(S) 4-Bromofluorobenzene	102				67.0-138		01/17/2022 01:58	WG1803149
(S) 1,2-Dichloroethane-d4	102				70.0-130		01/17/2022 01:58	WG1803149

7 Qc

8 Gl

9 Al

10 Sc

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
C10-C28 Diesel Range	3890		44.7	4.00	111	25	01/18/2022 06:46	WG1802948
C28-C36 Motor Oil Range	42.6		1.52	4.00	22.2	5	01/17/2022 04:30	WG1802948
(S) o-Terphenyl	0.000	J7			18.0-148		01/18/2022 06:46	WG1802948
(S) o-Terphenyl	5370	J1			18.0-148		01/17/2022 04:30	WG1802948

Sample Narrative:

L1451641-02 WG1802948: Surrogate failure due to matrix interference

Collected date/time: 01/12/22 12:59

L1451641

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
Total Solids	81.8		1	01/17/2022 08:22	WG1803231

1 Cp

2 Tc

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
Chloride	514		11.2	20.0	24.4	1	01/18/2022 03:55	WG1803340

3 Ss

4 Cn

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
TPH (GC/FID) Low Fraction	10.9		1.63	0.100	7.53	52.5	01/18/2022 19:44	WG1804127
(S) a,a,a-Trifluorotoluene(FID)	98.6				77.0-120		01/18/2022 19:44	WG1804127

5 Tr

6 Sr

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
Benzene	U		0.00563	0.00100	0.0120	8.4	01/17/2022 04:34	WG1803149
Toluene	U		0.0157	0.00500	0.0602	8.4	01/17/2022 04:34	WG1803149
Ethylbenzene	U		0.00888	0.00250	0.0301	8.4	01/17/2022 04:34	WG1803149
Total Xylenes	0.0536	J	0.0106	0.00650	0.0783	8.4	01/17/2022 04:34	WG1803149
(S) Toluene-d8	88.9				75.0-131		01/17/2022 04:34	WG1803149
(S) 4-Bromofluorobenzene	103				67.0-138		01/17/2022 04:34	WG1803149
(S) 1,2-Dichloroethane-d4	101				70.0-130		01/17/2022 04:34	WG1803149

7 Qc

8 Gl

9 Al

10 Sc

Sample Narrative:

L1451641-03 WG1803149: Non-target compounds too high to run at a lower dilution.

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
C10-C28 Diesel Range	250		1.97	4.00	4.89	1	01/17/2022 01:36	WG1802948
C28-C36 Motor Oil Range	2.75	J	0.335	4.00	4.89	1	01/17/2022 01:36	WG1802948
(S) o-Terphenyl	102				18.0-148		01/17/2022 01:36	WG1802948

Collected date/time: 01/12/22 13:06

L1451641

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
Total Solids	80.5		1	01/17/2022 08:22	WG1803231

1 Cp

2 Tc

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
Chloride	4820		114	20.0	248	10	01/18/2022 04:05	WG1803340

3 Ss

4 Cn

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
TPH (GC/FID) Low Fraction	5.29		0.813	0.100	3.75	25	01/18/2022 04:18	WG1803574
(S) a,a,a-Trifluorotoluene(FID)	97.2				77.0-120		01/18/2022 04:18	WG1803574

5 Tr

6 Sr

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
Benzene	0.000775	J	0.000700	0.00100	0.00150	1	01/17/2022 02:18	WG1803149
Toluene	0.00645	J	0.00195	0.00500	0.00749	1	01/17/2022 02:18	WG1803149
Ethylbenzene	0.0980		0.00110	0.00250	0.00375	1	01/17/2022 02:18	WG1803149
Total Xylenes	0.796		0.00132	0.00650	0.00974	1	01/17/2022 02:18	WG1803149
(S) Toluene-d8	92.1				75.0-131		01/17/2022 02:18	WG1803149
(S) 4-Bromofluorobenzene	126				67.0-138		01/17/2022 02:18	WG1803149
(S) 1,2-Dichloroethane-d4	97.8				70.0-130		01/17/2022 02:18	WG1803149

7 Qc

8 Gl

9 Al

10 Sc

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
C10-C28 Diesel Range	3700		50.0	4.00	124	25	01/18/2022 06:59	WG1802948
C28-C36 Motor Oil Range	35.9		1.70	4.00	24.8	5	01/17/2022 04:43	WG1802948
(S) o-Terphenyl	0.000	J7			18.0-148		01/18/2022 06:59	WG1802948
(S) o-Terphenyl	3030	J1			18.0-148		01/17/2022 04:43	WG1802948

Sample Narrative:

L1451641-04 WG1802948: Surrogate failure due to matrix interference

Collected date/time: 01/12/22 13:13

L1451641

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
Total Solids	87.3		1	01/18/2022 05:41	WG1803232

1 Cp

2 Tc

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
Chloride	6330		211	20.0	458	20	01/18/2022 04:24	WG1803340

3 Ss

4 Cn

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
TPH (GC/FID) Low Fraction	664		7.10	0.100	32.7	250	01/18/2022 11:39	WG1803574
(S) a,a,a-Trifluorotoluene(FID)	98.6				77.0-120		01/18/2022 11:39	WG1803574

5 Tr

6 Sr

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
Benzene	U		0.0122	0.00100	0.0262	20	01/17/2022 04:53	WG1803149
Toluene	0.207		0.0340	0.00500	0.131	20	01/17/2022 04:53	WG1803149
Ethylbenzene	1.90		0.0193	0.00250	0.0655	20	01/17/2022 04:53	WG1803149
Total Xylenes	12.8		0.0230	0.00650	0.170	20	01/17/2022 04:53	WG1803149
(S) Toluene-d8	87.5				75.0-131		01/17/2022 04:53	WG1803149
(S) 4-Bromofluorobenzene	111				67.0-138		01/17/2022 04:53	WG1803149
(S) 1,2-Dichloroethane-d4	103				70.0-130		01/17/2022 04:53	WG1803149

7 Qc

8 Gl

9 Al

10 Sc

Sample Narrative:

L1451641-05 WG1803149: Non-target compounds too high to run at a lower dilution.

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
C10-C28 Diesel Range	6980		184	4.00	458	100	01/18/2022 09:36	WG1802948
C28-C36 Motor Oil Range	94.8		1.57	4.00	22.9	5	01/17/2022 04:57	WG1802948
(S) o-Terphenyl	0.000	J2			18.0-148		01/17/2022 04:57	WG1802948
(S) o-Terphenyl	0.000	J7			18.0-148		01/18/2022 09:36	WG1802948

Sample Narrative:

L1451641-05 WG1802948: Surrogate failure due to matrix interference

Collected date/time: 01/12/22 13:49

L1451641

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
Total Solids	81.1		1	01/18/2022 05:41	WG1803232

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
Chloride	U		11.3	20.0	24.7	1	01/18/2022 04:52	WG1803340

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
TPH (GC/FID) Low Fraction	U		1.17	0.100	5.39	39	01/18/2022 05:13	WG1803574
(S) a,a,a-Trifluorotoluene(FID)	95.3				77.0-120		01/18/2022 05:13	WG1803574

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
Benzene	U		0.00101	0.00100	0.00216	1.56	01/17/2022 02:37	WG1803149
Toluene	U		0.00280	0.00500	0.0108	1.56	01/17/2022 02:37	WG1803149
Ethylbenzene	U		0.00159	0.00250	0.00539	1.56	01/17/2022 02:37	WG1803149
Total Xylenes	0.00803	J	0.00190	0.00650	0.0140	1.56	01/17/2022 02:37	WG1803149
(S) Toluene-d8	92.3				75.0-131		01/17/2022 02:37	WG1803149
(S) 4-Bromofluorobenzene	103				67.0-138		01/17/2022 02:37	WG1803149
(S) 1,2-Dichloroethane-d4	90.5				70.0-130		01/17/2022 02:37	WG1803149

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
C10-C28 Diesel Range	2.19	J	1.98	4.00	4.93	1	01/17/2022 02:02	WG1802948
C28-C36 Motor Oil Range	1.71	J	0.338	4.00	4.93	1	01/17/2022 02:02	WG1802948
(S) o-Terphenyl	80.2				18.0-148		01/17/2022 02:02	WG1802948

1 Cp
2 Tc
3 Ss
4 Cn
5 Tr
6 Sr
7 Qc
8 Gl
9 Al
10 Sc

Collected date/time: 01/12/22 13:52

L1451641

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
Total Solids	93.6		1	01/18/2022 05:41	WG1803232

1 Cp

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
Chloride	176		9.83	20.0	21.4	1	01/18/2022 05:02	WG1803340

2 Tc

3 Ss

4 Cn

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
TPH (GC/FID) Low Fraction	1.32		0.618	0.100	2.85	25	01/18/2022 05:52	WG1803574
(S) a,a,a-Trifluorotoluene(FID)	98.4	J			77.0-120		01/18/2022 05:52	WG1803574

5 Tr

6 Sr

7 Qc

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
Benzene	U		0.000532	0.00100	0.00114	1	01/17/2022 02:57	WG1803149
Toluene	U		0.00148	0.00500	0.00569	1	01/17/2022 02:57	WG1803149
Ethylbenzene	U		0.000839	0.00250	0.00285	1	01/17/2022 02:57	WG1803149
Total Xylenes	0.00223	J	0.00100	0.00650	0.00740	1	01/17/2022 02:57	WG1803149
(S) Toluene-d8	91.5				75.0-131		01/17/2022 02:57	WG1803149
(S) 4-Bromofluorobenzene	101				67.0-138		01/17/2022 02:57	WG1803149
(S) 1,2-Dichloroethane-d4	94.1				70.0-130		01/17/2022 02:57	WG1803149

8 Gl

9 Al

10 Sc

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
C10-C28 Diesel Range	120	J3 J5	1.72	4.00	4.28	1	01/17/2022 02:29	WG1803887
C28-C36 Motor Oil Range	15.4		0.293	4.00	4.28	1	01/17/2022 02:29	WG1803887
(S) o-Terphenyl	86.8				18.0-148		01/17/2022 02:29	WG1803887

Collected date/time: 01/12/22 13:54

L1451641

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
Total Solids	78.7		1	01/18/2022 05:41	WG1803232

1 Cp

2 Tc

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
Chloride	24.8	J	11.7	20.0	25.4	1	01/18/2022 05:11	WG1803340

3 Ss

4 Cn

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
TPH (GC/FID) Low Fraction	U		0.847	0.100	3.90	25	01/19/2022 06:45	WG1804356
(S) a,a,a-Trifluorotoluene(FID)	99.0				77.0-120		01/19/2022 06:45	WG1804356

5 Tr

6 Sr

7 Qc

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
Benzene	U		0.000729	0.00100	0.00156	1	01/17/2022 03:16	WG1803149
Toluene	U		0.00203	0.00500	0.00781	1	01/17/2022 03:16	WG1803149
Ethylbenzene	U		0.00115	0.00250	0.00390	1	01/17/2022 03:16	WG1803149
Total Xylenes	0.00156	J	0.00137	0.00650	0.0101	1	01/17/2022 03:16	WG1803149
(S) Toluene-d8	94.8				75.0-131		01/17/2022 03:16	WG1803149
(S) 4-Bromofluorobenzene	99.7				67.0-138		01/17/2022 03:16	WG1803149
(S) 1,2-Dichloroethane-d4	91.9				70.0-130		01/17/2022 03:16	WG1803149

8 Gl

9 Al

10 Sc

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
C10-C28 Diesel Range	36.3		2.05	4.00	5.08	1	01/17/2022 02:16	WG1802948
C28-C36 Motor Oil Range	3.23	J	0.348	4.00	5.08	1	01/17/2022 02:16	WG1802948
(S) o-Terphenyl	71.5				18.0-148		01/17/2022 02:16	WG1802948

Collected date/time: 01/12/22 13:57

L1451641

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
Total Solids	84.5		1	01/18/2022 05:41	WG1803232

1 Cp

2 Tc

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
Chloride	129		10.9	20.0	23.7	1	01/18/2022 05:21	WG1803340

3 Ss

4 Cn

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
TPH (GC/FID) Low Fraction	34.1		0.748	0.100	3.45	25	01/18/2022 20:28	WG1804127
(S) a,a,a-Trifluorotoluene(FID)	99.8				77.0-120		01/18/2022 20:28	WG1804127

5 Tr

6 Sr

7 Qc

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
Benzene	U		0.000644	0.00100	0.00138	1	01/17/2022 03:35	WG1803149
Toluene	0.00454	J	0.00179	0.00500	0.00690	1	01/17/2022 03:35	WG1803149
Ethylbenzene	0.0137		0.00102	0.00250	0.00345	1	01/17/2022 03:35	WG1803149
Total Xylenes	0.105		0.00121	0.00650	0.00897	1	01/17/2022 03:35	WG1803149
(S) Toluene-d8	94.9				75.0-131		01/17/2022 03:35	WG1803149
(S) 4-Bromofluorobenzene	104				67.0-138		01/17/2022 03:35	WG1803149
(S) 1,2-Dichloroethane-d4	90.4				70.0-130		01/17/2022 03:35	WG1803149

8 Gl

9 Al

10 Sc

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
C10-C28 Diesel Range	44.3		1.91	4.00	4.73	1	01/18/2022 06:19	WG1802948
C28-C36 Motor Oil Range	14.7		0.324	4.00	4.73	1	01/18/2022 06:19	WG1802948
(S) o-Terphenyl	90.8				18.0-148		01/18/2022 06:19	WG1802948

Collected date/time: 01/12/22 14:01

L1451641

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	91.5		1	01/18/2022 05:41	WG1803232

1 Cp

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis date / time	Batch
Chloride	4340		101	20.0	219	10	01/18/2022 05:30	WG1803340

2 Tc

3 Ss

4 Cn

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.674	0.100	3.10	26.3	01/18/2022 09:40	WG1803574
(S) a,a,a-Trifluorotoluene(FID)	94.8				77.0-120		01/18/2022 09:40	WG1803574

5 Tr

6 Sr

7 Qc

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis date / time	Batch
Benzene	U		0.000579	0.00100	0.00124	1.05	01/17/2022 03:55	WG1803149
Toluene	U		0.00161	0.00500	0.00620	1.05	01/17/2022 03:55	WG1803149
Ethylbenzene	U		0.000913	0.00250	0.00310	1.05	01/17/2022 03:55	WG1803149
Total Xylenes	U		0.00109	0.00650	0.00806	1.05	01/17/2022 03:55	WG1803149
(S) Toluene-d8	95.5				75.0-131		01/17/2022 03:55	WG1803149
(S) 4-Bromofluorobenzene	102				67.0-138		01/17/2022 03:55	WG1803149
(S) 1,2-Dichloroethane-d4	90.1				70.0-130		01/17/2022 03:55	WG1803149

8 Gl

9 Al

10 Sc

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	7.99		1.76	4.00	4.37	1	01/17/2022 03:23	WG1802948
C28-C36 Motor Oil Range	14.5		0.299	4.00	4.37	1	01/17/2022 03:23	WG1802948
(S) o-Terphenyl	85.8				18.0-148		01/17/2022 03:23	WG1802948

Collected date/time: 01/12/22 14:04

L1451641

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
Total Solids	81.9		1	01/18/2022 05:41	WG1803232

1 Cp

Wet Chemistry by Method 300.0

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
Chloride	71.2		11.2	20.0	24.4	1	01/18/2022 05:40	WG1803340

2 Tc

3 Ss

4 Cn

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
TPH (GC/FID) Low Fraction	U		0.797	0.100	3.67	25	01/18/2022 10:23	WG1803574
(S) a,a,a-Trifluorotoluene(FID)	97.8				77.0-120		01/18/2022 10:23	WG1803574

5 Tr

6 Sr

7 Qc

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
Benzene	U		0.000686	0.00100	0.00147	1	01/17/2022 04:14	WG1803149
Toluene	U		0.00191	0.00500	0.00735	1	01/17/2022 04:14	WG1803149
Ethylbenzene	U		0.00108	0.00250	0.00367	1	01/17/2022 04:14	WG1803149
Total Xylenes	U		0.00129	0.00650	0.00955	1	01/17/2022 04:14	WG1803149
(S) Toluene-d8	94.3				75.0-131		01/17/2022 04:14	WG1803149
(S) 4-Bromofluorobenzene	99.9				67.0-138		01/17/2022 04:14	WG1803149
(S) 1,2-Dichloroethane-d4	91.6				70.0-130		01/17/2022 04:14	WG1803149

8 Gl

9 Al

10 Sc

Semi-Volatile Organic Compounds (GC) by Method 8015M

Analyte	Result (dry)	Qualifier	SDL (dry)	Unadj. MQL	MQL (dry)	Dilution	Analysis	Batch
C10-C28 Diesel Range	121		1.97	4.00	4.89	1	01/17/2022 03:36	WG1802948
C28-C36 Motor Oil Range	17.3		0.335	4.00	4.89	1	01/17/2022 03:36	WG1802948
(S) o-Terphenyl	72.2				18.0-148		01/17/2022 03:36	WG1802948

W01803231
Total Solids by Method 2540 G-2011

[L1451641-01,02,03,04](#)

Method Blank (MB)

(MB) R3750597-1 01/17/22 08:22

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	%		%	%
Total Solids	0.00300			

1 Cp

2 Tc

3 Ss

L1451641-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1451641-02 01/17/22 08:22 • (DUP) R3750597-3 01/17/22 08:22

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	%	%		%		%
Total Solids	90.1	91.5	1	1.61		10

4 Cn

5 Tr

Laboratory Control Sample (LCS)

(LCS) R3750597-2 01/17/22 08:22

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	%	%	%	%	
Total Solids	50.0	50.0	100	85.0-115	

6 Sr

7 Qc

8 Gl

9 Al

10 Sc

W01803232
Total Solids by Method 2540 G-2011

[L1451641-05,06,07,08,09,10,11](#)

Method Blank (MB)

(MB) R3751167-1 01/18/22 05:41

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	%		%	%
Total Solids	0.00100			

1 Cp

2 Tc

3 Ss

L1451641-10 Original Sample (OS) • Duplicate (DUP)

(OS) L1451641-10 01/18/22 05:41 • (DUP) R3751167-3 01/18/22 05:41

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	%	%		%		%
Total Solids	91.5	91.5	1	0.0419		10

4 Cn

5 Tr

Laboratory Control Sample (LCS)

(LCS) R3751167-2 01/18/22 05:41

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	%	%	%	%	
Total Solids	50.0	49.9	99.8	85.0-115	

6 Sr

7 Qc

8 Gl

9 Al

10 Sc

Wet Chemistry by Method 300.0

[L1451641-01,02,03,04,05,06,07,08,09,10,11](#)

Method Blank (MB)

(MB) R3750879-1 01/18/22 00:48

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Chloride	U		9.20	20.0

¹Cp

²Tc

³Ss

⁴Cn

⁵Tr

⁶Sr

⁷Qc

⁸Gl

⁹Al

¹⁰Sc

L1451492-17 Original Sample (OS) • Duplicate (DUP)

(OS) L1451492-17 01/18/22 02:58 • (DUP) R3750879-3 01/18/22 03:08

Analyte	Original Result mg/kg	DUP Result mg/kg	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits
Chloride	37.6	37.0	1	1.59		20

L1451641-04 Original Sample (OS) • Duplicate (DUP)

(OS) L1451641-04 01/18/22 04:05 • (DUP) R3750879-6 01/18/22 04:14

Analyte	Original Result (dry) mg/kg	DUP Result (dry) mg/kg	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits
Chloride	4820	4300	10	11.4		20

Laboratory Control Sample (LCS)

(LCS) R3750879-2 01/18/22 00:57

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Chloride	200	206	103	90.0-110	

L1451492-17 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1451492-17 01/18/22 02:58 • (MS) R3750879-4 01/18/22 03:17 • (MSD) R3750879-5 01/18/22 03:27

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Chloride	500	37.6	518	518	96.0	96.0	1	80.0-120			0.0284	20

Volatile Organic Compounds (GC) by Method 8015D/GRO

[L1451641-01,02,04,05,06,07,10,11](#)

Method Blank (MB)

(MB) R3750977-2 01/17/22 20:52

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
TPH (GC/FID) Low Fraction	U		0.543	2.50
(S) a,a,a-Trifluorotoluene(FID)	90.2			77.0-120

1 Cp

2 Tc

3 Ss

4 Cn

5 Tr

6 Sr

7 Qc

Laboratory Control Sample (LCS)

(LCS) R3750977-1 01/17/22 19:40

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
TPH (GC/FID) Low Fraction	5.50	5.07	92.2	72.0-127	
(S) a,a,a-Trifluorotoluene(FID)			107	77.0-120	

8 Gl

9 Al

10 Sc

L1451426-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1451426-01 01/17/22 23:47 • (MS) R3750977-3 01/18/22 12:10 • (MSD) R3750977-4 01/18/22 12:32

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
TPH (GC/FID) Low Fraction	71.5	0.834	77.1	78.6	107	109	25	10.0-151			1.93	28
(S) a,a,a-Trifluorotoluene(FID)					116	115		77.0-120				

Volatile Organic Compounds (GC) by Method 8015D/GRO

[L1451641-03.09](#)

Method Blank (MB)

(MB) R3751118-2 01/18/22 18:31

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
TPH (GC/FID) Low Fraction	U		0.543	2.50
(S) a,a,a-Trifluorotoluene(FID)	93.5			77.0-120

Laboratory Control Sample (LCS)

(LCS) R3751118-1 01/18/22 17:47

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPH (GC/FID) Low Fraction	5.50	4.94	89.8	72.0-127	
(S) a,a,a-Trifluorotoluene(FID)			113	77.0-120	

1 Cp

2 Tc

3 Ss

4 Cn

5 Tr

6 Sr

7 Qc

8 Gl

9 Al

10 Sc

Volatile Organic Compounds (GC) by Method 8015D/GRO

[L1451641-08](#)

Method Blank (MB)

(MB) R3751181-2 01/19/22 06:04

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
TPH (GC/FID) Low Fraction	U		0.543	2.50
(S) a,a,a-Trifluorotoluene(FID)	95.8			77.0-120

Laboratory Control Sample (LCS)

(LCS) R3751181-1 01/19/22 04:56

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPH (GC/FID) Low Fraction	5.50	5.44	98.9	72.0-127	
(S) a,a,a-Trifluorotoluene(FID)			116	77.0-120	

1 Cp

2 Tc

3 Ss

4 Cn

5 Tr

6 Sr

7 Qc

8 Gl

9 Al

10 Sc

Volatile Organic Compounds (GC/MS) by Method 8260B

[L1451641-01.02.03.04.05.06.07.08.09.10.11](#)

Method Blank (MB)

(MB) R3750607-3 01/17/22 00:21

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	mg/kg		mg/kg	mg/kg
Benzene	U		0.000467	0.00100
Ethylbenzene	U		0.000737	0.00250
Toluene	U		0.00130	0.00500
Xylenes, Total	U		0.000880	0.00650
(S) Toluene-d8	95.6			75.0-131
(S) 4-Bromofluorobenzene	102			67.0-138
(S) 1,2-Dichloroethane-d4	92.9			70.0-130

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3750607-1 01/16/22 23:03 • (LCSD) R3750607-2 01/16/22 23:23

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	mg/kg	mg/kg	mg/kg	%	%	%			%	%
Benzene	0.125	0.134	0.130	107	104	70.0-123			3.03	20
Ethylbenzene	0.125	0.124	0.121	99.2	96.8	74.0-126			2.45	20
Toluene	0.125	0.124	0.121	99.2	96.8	75.0-121			2.45	20
Xylenes, Total	0.375	0.359	0.363	95.7	96.8	72.0-127			1.11	20
(S) Toluene-d8				92.7	91.9	75.0-131				
(S) 4-Bromofluorobenzene				96.6	99.1	67.0-138				
(S) 1,2-Dichloroethane-d4				98.6	101	70.0-130				

L1451328-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1451328-01 01/17/22 00:40 • (MS) R3750607-4 01/17/22 07:11 • (MSD) R3750607-5 01/17/22 07:30

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%
Benzene	0.125	0.000525	0.165	0.155	132	124	1	10.0-149			6.25	37
Ethylbenzene	0.125	0.00848	0.243	0.224	188	172	1	10.0-160	J5	J5	8.14	38
Toluene	0.125	0.00958	0.250	0.241	192	185	1	10.0-156	J5	J5	3.67	38
Xylenes, Total	0.375	0.0189	0.632	0.596	163	154	1	10.0-160	J5		5.86	38
(S) Toluene-d8					92.7	92.7		75.0-131				
(S) 4-Bromofluorobenzene					94.4	95.1		67.0-138				
(S) 1,2-Dichloroethane-d4					87.9	90.5		70.0-130				

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Tr
- 6 Sr
- 7 Qc
- 8 Gl
- 9 Al
- 10 Sc

Semi-Volatile Organic Compounds (GC) by Method 8015M

[L1451641-01,02,03,04,05,06,08,09,10,11](#)

Method Blank (MB)

(MB) R3750426-1 01/16/22 22:55

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
C10-C28 Diesel Range	U		1.61	4.00
C28-C36 Motor Oil Range	U		0.274	4.00
(S) o-Terphenyl	79.0			18.0-148

Laboratory Control Sample (LCS)

(LCS) R3750426-2 01/16/22 23:08

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
C10-C28 Diesel Range	50.0	41.4	82.8	50.0-150	
(S) o-Terphenyl			101	18.0-148	

- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Tr
- 6 Sr
- 7 Qc
- 8 Gl
- 9 Al
- 10 Sc

Semi-Volatile Organic Compounds (GC) by Method 8015M

[L1451641-07](#)

Method Blank (MB)

(MB) R3750837-1 01/16/22 22:55

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	mg/kg		mg/kg	mg/kg
C10-C28 Diesel Range	U		1.61	4.00
C28-C36 Motor Oil Range	U		0.274	4.00
(S) o-Terphenyl	79.0			18.0-148

Laboratory Control Sample (LCS)

(LCS) R3750837-2 01/16/22 23:08

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	mg/kg	mg/kg	%	%	
C10-C28 Diesel Range	50.0	41.4	82.8	50.0-150	
(S) o-Terphenyl			101	18.0-148	

L1451641-07 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1451641-07 01/17/22 02:29 • (MS) R3750837-3 01/17/22 02:43 • (MSD) R3750837-4 01/17/22 02:56

Analyte	Spike Amount (dry)	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%
C10-C28 Diesel Range	50.6	120	169	298	97.3	353	1	50.0-150		J3 J5	55.4	20
(S) o-Terphenyl					102	111		18.0-148				

1 Cp

2 Tc

3 Ss

4 Cn

5 Tr

6 Sr

7 Qc

8 Gl

9 Al

10 Sc

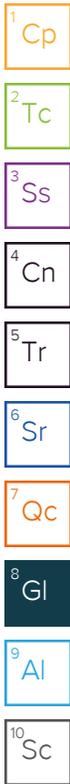
Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

(dry)	Results are reported based on the dry weight of the sample. [this will only be present on a dry report basis for soils].
MDL	Method Detection Limit.
MQL (dry)	Method Quantitation Limit.
MQL	Method Quantitation Limit.
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
SDL	Sample Detection Limit.
SDL (dry)	Sample Detection Limit.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Sample Detection Limit.
Unadj. MQL	Unadjusted Method Quantitation Limit.
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state "ND" (Not Detected) or "BDL" (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.



Qualifier Description

J	The identification of the analyte is acceptable; the reported value is an estimate.
J1	Surrogate recovery limits have been exceeded; values are outside upper control limits.
J2	Surrogate recovery limits have been exceeded; values are outside lower control limits.
J3	The associated batch QC was outside the established quality control range for precision.
J5	The sample matrix interfered with the ability to make any accurate determination; spike value is high.
J7	Surrogate recovery cannot be used for control limit evaluation due to dilution.

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

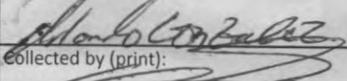
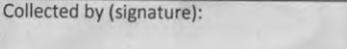
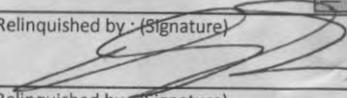
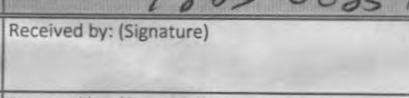
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Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey-NELAP	TN002
California	2932	New Mexico ¹	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina ¹	DW21704
Georgia	NELAP	North Carolina ³	41
Georgia ¹	923	North Dakota	R-140
Idaho	TN00003	Ohio-VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LA000356
Kentucky ^{1,6}	KY90010	South Carolina	84004002
Kentucky ²	16	South Dakota	n/a
Louisiana	AI30792	Tennessee ^{1,4}	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas ⁵	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 ⁵	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA-Crypto	TN00003		

¹ Drinking Water ² Underground Storage Tanks ³ Aquatic Toxicity ⁴ Chemical/Microbiological ⁵ Mold ⁶ Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.



Company Name/Address: Altamira - Angleton, TX 4001 Technology Drive, Ste 120 Angleton, TX 77515			Billing Information: Bryan Haney 4001 Technology Drive, Ste 120 Angleton, TX 77515			Analysis / Container / Preservative				Chain of Custody Page 1 of 2	
Report to: Bryan Haney			Email To: bryan.haney@altamira-us.com; Orlando.Gonzalez@Altamira-us.com			Pres Chk				 12065 Lebanon Rd Mount Juliet, TN 37122 Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubfs/pas-standard-terms.pdf	
Project Description: Novo Ovation Pad O Release		City/State Collected: Carlsbad, NM		Please Circle: PT <input checked="" type="checkbox"/> MP <input type="checkbox"/> CT <input type="checkbox"/> ET <input type="checkbox"/>		CHLORIDE-300 4ozClr-NoPres DRONM 4ozClr-NoPres GRO 40mlAmb/MeOH10ml/Syr V8260BTEX 40mlAmb/MeOH10ml/Syr				SDG # L1451641	
Phone: 361-658-3126		Client Project # NVONM2104 PHASE 001		Lab Project # ALTAMIRAATX-NOVO						Table H190	
Collected by (print): 		Site/Facility ID #		P.O. #						Acctnum: ALTAMIRAATX	
Collected by (signature): 		Rush? (Lab MUST Be Notified) <input type="checkbox"/> Same Day <input type="checkbox"/> Five Day <input type="checkbox"/> Next Day <input checked="" type="checkbox"/> 5 Day (Rad Only) <input type="checkbox"/> Two Day <input type="checkbox"/> 10 Day (Rad Only) <input type="checkbox"/> Three Day		Quote #						Template: T201884	
Immediately Packed on Ice N <input type="checkbox"/> Y <input checked="" type="checkbox"/>		Date Results Needed		No. of Cntrs		Prelogin: P898169					
Sample ID		Comp/Grab	Matrix *	Depth	Date	Time	PM: 134 - Mark W. Beasley				
UL-1 (0-0.5)		G	SS	0-0.5	1/12/2022	1247 3	Shipped Via: <input type="checkbox"/> Remarks <input type="checkbox"/> Sample # (lab only)				
UL-2 (0-0.5)		G	SS	0-0.5	1/12/2022	1253 3	01				
UL-3 (0-0.5)		G	SS	0-0.5	1/12/2022	1259 3	02				
UL-4 (0-0.5)		G	SS	0-0.5	1/12/2022	1306 3	03				
UL-5 (0-0.5)		G	SS	0-0.5	1/12/2022	1313 3	04				
LL-1 (0-0.5)		G	SS	0-0.5	1/12/2022	1349 3	05				
LL-2 (0-0.5)		G	SS	0-0.5	1/12/2022	1352 3	06				
LL-3 (0-0.5)		G	SS	0-0.5	1/12/2022	1354 3	07				
LL-4 (0-0.5)		G	SS	0-0.5	1/12/2022	1357 3	08				
LL-5 (0-0.5)		G	SS	0-0.5	1/12/2022	1401 3	09				
							10				
* Matrix: SS - Soil AIR - Air F - Filter GW - Groundwater B - Bioassay WW - WasteWater DW - Drinking Water OT - Other		Remarks: 5 DAY TAT on samples Results & Invoice to Bryan Haney				pH _____ Temp _____ Flow _____ Other _____		Sample Receipt Checklist COG Seal Present/Intact: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N COG Signed/Accurate: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N Bottles arrive intact: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N Correct bottles used: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N Sufficient volume sent: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N If Applicable VOA Zero Headspace: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N Preservation Correct/Checked: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N RAD Screen <0.5 mR/hr: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N			
Samples returned via: UPS <input checked="" type="checkbox"/> FedEx <input type="checkbox"/> Courier <input type="checkbox"/>		Tracking # 9883 0085 1335		Relinquished by: (Signature) 		Date: 1/13/2022 Time: 1200		Received by: (Signature) 		Trip Blank Received: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> HCL / MeoH TBR	
Relinquished by: (Signature)		Date:		Time:		Received by: (Signature)		Temp: 2.50-2.5 °C		Bottles Received: 33	
Relinquished by: (Signature)		Date:		Time:		Received for lab by: (Signature) T. Robertson		Date: 1/14/22 Time: 915		Hold: _____ Condition: NCF / OK	



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

March 01, 2022

BRIAN HANEY

ALTAMIRA - US

14229 PUNTA BONAIRE DR.

CORPUS CHRISTI, TX 78418

RE: NOVO OVATION (OFFSITE)

Enclosed are the results of analyses for samples received by the laboratory on 02/28/22 10:00.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/ga/lab_accred_certif.html.

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

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

Cardinal Laboratories is accredited through the State of New Mexico Environment Department for:

Method SM 9223-B	Total Coliform and E. coli (Colilert MMO-MUG)
Method EPA 524.2	Regulated VOCs and Total Trihalomethanes (TTHM)
Method EPA 552.2	Total Haloacetic Acids (HAA-5)

Accreditation applies to public drinking water matrices for State of Colorado and New Mexico.

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

ALTAMIRA - US
14229 PUNTA BONAIRE DR.
CORPUS CHRISTI TX, 78418

Project: NOVO OVATION (OFFSITE)
Project Number: NVONM2104
Project Manager: BRIAN HANEY
Fax To:

Reported:
01-Mar-22 10:03

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
G- 1 (0-0.5')	H220759-01	Soil	27-Feb-22 15:59	28-Feb-22 10:00
G- 2 (0-0.5')	H220759-02	Soil	27-Feb-22 16:04	28-Feb-22 10:00
G- 3 (0-0.5')	H220759-03	Soil	27-Feb-22 16:13	28-Feb-22 10:00
G- 4 (0-0.5')	H220759-04	Soil	27-Feb-22 16:08	28-Feb-22 10:00
G- 5 (0-0.5')	H220759-05	Soil	27-Feb-22 16:23	28-Feb-22 10:00
G- 6 (0-0.5')	H220759-06	Soil	27-Feb-22 16:17	28-Feb-22 10:00
G- 7 (0-0.5')	H220759-07	Soil	27-Feb-22 16:27	28-Feb-22 10:00
G- 8 (0-0.5')	H220759-08	Soil	27-Feb-22 16:33	28-Feb-22 10:00

Cardinal Laboratories

* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ALTAMIRA - US
14229 PUNTA BONAIRE DR.
CORPUS CHRISTI TX, 78418

Project: NOVO OVATION (OFFSITE)
Project Number: NVONM2104
Project Manager: BRIAN HANEY
Fax To:

Reported:
01-Mar-22 10:03

G-1 (0-0.5')
H220759-01 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	224		16.0	mg/kg	4	2030103	GM	01-Mar-22	4500-CI-B	
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Petroleum Hydrocarbons by GC FID**S-04**

GRO C6-C10*	<10.0		10.0	mg/kg	1	2022812	MS	28-Feb-22	8015B	
DRO >C10-C28*	1080		10.0	mg/kg	1	2022812	MS	28-Feb-22	8015B	
EXT DRO >C28-C36	17.1		10.0	mg/kg	1	2022812	MS	28-Feb-22	8015B	
Surrogate: 1-Chlorooctane			111 %	66.9-136		2022812	MS	28-Feb-22	8015B	
Surrogate: 1-Chlorooctadecane			153 %	59.5-142		2022812	MS	28-Feb-22	8015B	

VOLATILES BY GC/MS

Dichlorodifluoromethane*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
Chloromethane*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
Vinyl chloride*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
Bromomethane*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
Chloroethane*	<0.250		0.250	mg/kg	50	2022808	MS	28-Feb-22	8260B	
Trichlorofluoromethane*	<0.250		0.250	mg/kg	50	2022808	MS	28-Feb-22	8260B	
1,1-Dichloroethene*	<0.250		0.250	mg/kg	50	2022808	MS	28-Feb-22	8260B	
Carbon disulfide*	<0.250		0.250	mg/kg	50	2022808	MS	28-Feb-22	8260B	
Iodomethane	<0.250		0.250	mg/kg	50	2022808	MS	28-Feb-22	8260B	
Acrolein*	<0.250		0.250	mg/kg	50	2022808	MS	28-Feb-22	8260B	
Methylene chloride*	<0.500		0.500	mg/kg	50	2022808	MS	28-Feb-22	8260B	
Acetone*	<0.250		0.250	mg/kg	50	2022808	MS	28-Feb-22	8260B	
trans-1,2-Dichloroethene*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
Methyl t-Butyl Ether*	<0.050		0.050	mg/kg	50	2022808	MS	28-Feb-22	8260B	
1,1-Dichloroethane*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
Acrylonitrile*	<0.050		0.050	mg/kg	50	2022808	MS	28-Feb-22	8260B	
Vinyl acetate*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
cis-1,2-Dichloroethene*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
2,2-Dichloropropane*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	

Cardinal Laboratories

* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ALTAMIRA - US
14229 PUNTA BONAIRE DR.
CORPUS CHRISTI TX, 78418

Project: NOVO OVATION (OFFSITE)
Project Number: NVONM2104
Project Manager: BRIAN HANEY
Fax To:

Reported:
01-Mar-22 10:03

G- 1 (0-0.5')**H220759-01 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**VOLATILES BY GC/MS**

Bromochloromethane*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
Chloroform*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
Carbon tetrachloride*	<0.050		0.050	mg/kg	50	2022808	MS	28-Feb-22	8260B	
1,1,1-Trichloroethane*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
1,1-Dichloropropene*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
2-Butanone*	<0.050		0.050	mg/kg	50	2022808	MS	28-Feb-22	8260B	
Benzene*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
1,2-Dichloroethane*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
Trichloroethene*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
Dibromomethane*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
1,2-Dichloropropane*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
Bromodichloromethane*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
cis-1,3-Dichloropropene*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
Toluene*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
4-Methyl-2-pentanone*	<0.050		0.050	mg/kg	50	2022808	MS	28-Feb-22	8260B	
Tetrachloroethene*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
trans-1,3-Dichloropropene*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
1,1,2-Trichloroethane*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
Dibromochloromethane*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
1,3-Dichloropropane*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
1,2-Dibromoethane*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
2-Hexanone*	<0.050		0.050	mg/kg	50	2022808	MS	28-Feb-22	8260B	
Chlorobenzene*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
Ethylbenzene*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
1,1,1,2-Tetrachloroethane*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
m+p - Xylene*	<0.050		0.050	mg/kg	50	2022808	MS	28-Feb-22	8260B	
o-Xylene*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
Total Xylenes*	<0.050		0.050	mg/kg	50	2022808	MS	28-Feb-22	8260B	
Bromoform*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	

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* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ALTAMIRA - US
14229 PUNTA BONAIRE DR.
CORPUS CHRISTI TX, 78418

Project: NOVO OVATION (OFFSITE)
Project Number: NVONM2104
Project Manager: BRIAN HANEY
Fax To:

Reported:
01-Mar-22 10:03

G- 1 (0-0.5')**H220759-01 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**VOLATILES BY GC/MS**

Styrene*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
Isopropylbenzene*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
Bromobenzene*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
n-Propylbenzene*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
1,1,2,2-Tetrachloroethane*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
2-Chlorotoluene*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
1,2,3-trichloropropane*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
1,3,5-Trimethylbenzene*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
trans-1,4-Dichloro-2-butene	<0.250		0.250	mg/kg	50	2022808	MS	28-Feb-22	8260B	
4-Chlorotoluene*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
tert-Butylbenzene*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
1,2,4-Trimethylbenzene*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
sec-Butylbenzene*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
p-Isopropyltoluene*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
1,3-Dichlorobenzene*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
1,4 Dichlorobenzene*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
n-Butylbenzene*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
1,2-Dichlorobenzene*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
1,2-Dibromo-3-chloropropane*	<0.250		0.250	mg/kg	50	2022808	MS	28-Feb-22	8260B	
Hexachlorobutadiene*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
1,2,4-Trichlorobenzene*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
Naphthalene*	0.114		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
1,2,3-Trichlorobenzene*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
1,4-Dioxane	<6.25		6.25	mg/kg	50	2022808	MS	28-Feb-22	8260B	
Surrogate: Dibromofluoromethane			101 %	84.6-114		2022808	MS	28-Feb-22	8260B	
Surrogate: Toluene-d8			101 %	90.4-109		2022808	MS	28-Feb-22	8260B	
Surrogate: 4-Bromofluorobenzene			97.2 %	82.5-117		2022808	MS	28-Feb-22	8260B	

Cardinal Laboratories

* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ALTAMIRA - US 14229 PUNTA BONAIRE DR. CORPUS CHRISTI TX, 78418	Project: NOVO OVATION (OFFSITE) Project Number: NVONM2104 Project Manager: BRIAN HANEY Fax To:	Reported: 01-Mar-22 10:03
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**G- 2 (0-0.5')
H220759-02 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Chloride	112		16.0	mg/kg	4	2030103	GM	01-Mar-22	4500-Cl-B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	2022812	MS	28-Feb-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2022812	MS	28-Feb-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2022812	MS	28-Feb-22	8015B	
Surrogate: 1-Chlorooctane			110 %	66.9-136		2022812	MS	28-Feb-22	8015B	
Surrogate: 1-Chlorooctadecane			120 %	59.5-142		2022812	MS	28-Feb-22	8015B	

VOLATILES BY GC/MS

Dichlorodifluoromethane*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
Chloromethane*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
Vinyl chloride*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
Bromomethane*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
Chloroethane*	<0.250		0.250	mg/kg	50	2022808	MS	28-Feb-22	8260B	
Trichlorofluoromethane*	<0.250		0.250	mg/kg	50	2022808	MS	28-Feb-22	8260B	
1,1-Dichloroethene*	<0.250		0.250	mg/kg	50	2022808	MS	28-Feb-22	8260B	
Carbon disulfide*	<0.250		0.250	mg/kg	50	2022808	MS	28-Feb-22	8260B	
Iodomethane	<0.250		0.250	mg/kg	50	2022808	MS	28-Feb-22	8260B	
Acrolein*	<0.250		0.250	mg/kg	50	2022808	MS	28-Feb-22	8260B	
Methylene chloride*	<0.500		0.500	mg/kg	50	2022808	MS	28-Feb-22	8260B	
Acetone*	<0.250		0.250	mg/kg	50	2022808	MS	28-Feb-22	8260B	
trans-1,2-Dichloroethene*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
Methyl t-Butyl Ether*	<0.050		0.050	mg/kg	50	2022808	MS	28-Feb-22	8260B	
1,1-Dichloroethane*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
Acrylonitrile*	<0.050		0.050	mg/kg	50	2022808	MS	28-Feb-22	8260B	
Vinyl acetate*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
cis-1,2-Dichloroethene*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
2,2-Dichloropropane*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ALTAMIRA - US
14229 PUNTA BONAIRE DR.
CORPUS CHRISTI TX, 78418

Project: NOVO OVATION (OFFSITE)
Project Number: NVONM2104
Project Manager: BRIAN HANEY
Fax To:

Reported:
01-Mar-22 10:03

G- 2 (0-0.5')**H220759-02 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**VOLATILES BY GC/MS**

Bromochloromethane*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
Chloroform*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
Carbon tetrachloride*	<0.050		0.050	mg/kg	50	2022808	MS	28-Feb-22	8260B	
1,1,1-Trichloroethane*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
1,1-Dichloropropene*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
2-Butanone*	<0.050		0.050	mg/kg	50	2022808	MS	28-Feb-22	8260B	
Benzene*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
1,2-Dichloroethane*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
Trichloroethene*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
Dibromomethane*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
1,2-Dichloropropane*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
Bromodichloromethane*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
cis-1,3-Dichloropropene*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
Toluene*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
4-Methyl-2-pentanone*	<0.050		0.050	mg/kg	50	2022808	MS	28-Feb-22	8260B	
Tetrachloroethene*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
trans-1,3-Dichloropropene*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
1,1,2-Trichloroethane*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
Dibromochloromethane*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
1,3-Dichloropropane*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
1,2-Dibromoethane*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
2-Hexanone*	<0.050		0.050	mg/kg	50	2022808	MS	28-Feb-22	8260B	
Chlorobenzene*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
Ethylbenzene*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
1,1,1,2-Tetrachloroethane*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
m+p - Xylene*	<0.050		0.050	mg/kg	50	2022808	MS	28-Feb-22	8260B	
Total Xylenes*	<0.050		0.050	mg/kg	50	2022808	MS	28-Feb-22	8260B	
o-Xylene*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
Bromoform*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	

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* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ALTAMIRA - US
14229 PUNTA BONAIRE DR.
CORPUS CHRISTI TX, 78418

Project: NOVO OVATION (OFFSITE)
Project Number: NVONM2104
Project Manager: BRIAN HANEY
Fax To:

Reported:
01-Mar-22 10:03

G- 2 (0-0.5')**H220759-02 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**VOLATILES BY GC/MS**

Styrene*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
Isopropylbenzene*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
Bromobenzene*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
n-Propylbenzene*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
1,1,2,2-Tetrachloroethane*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
2-Chlorotoluene*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
1,2,3-trichloropropane*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
1,3,5-Trimethylbenzene*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
trans-1,4-Dichloro-2-butene	<0.250		0.250	mg/kg	50	2022808	MS	28-Feb-22	8260B	
4-Chlorotoluene*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
tert-Butylbenzene*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
1,2,4-Trimethylbenzene*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
sec-Butylbenzene*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
p-Isopropyltoluene*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
1,3-Dichlorobenzene*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
1,4 Dichlorobenzene*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
n-Butylbenzene*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
1,2-Dichlorobenzene*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
1,2-Dibromo-3-chloropropane*	<0.250		0.250	mg/kg	50	2022808	MS	28-Feb-22	8260B	
Hexachlorobutadiene*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
1,2,4-Trichlorobenzene*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
Naphthalene*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
1,2,3-Trichlorobenzene*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
1,4-Dioxane	<6.25		6.25	mg/kg	50	2022808	MS	28-Feb-22	8260B	
Surrogate: Dibromofluoromethane			97.8 %	84.6-114		2022808	MS	28-Feb-22	8260B	
Surrogate: Toluene-d8			101 %	90.4-109		2022808	MS	28-Feb-22	8260B	
Surrogate: 4-Bromofluorobenzene			98.7 %	82.5-117		2022808	MS	28-Feb-22	8260B	

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* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ALTAMIRA - US 14229 PUNTA BONAIRE DR. CORPUS CHRISTI TX, 78418	Project: NOVO OVATION (OFFSITE) Project Number: NVONM2104 Project Manager: BRIAN HANEY Fax To:	Reported: 01-Mar-22 10:03
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G- 3 (0-0.5')

H220759-03 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Chloride	224		16.0	mg/kg	4	2030103	GM	01-Mar-22	4500-Cl-B	
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Petroleum Hydrocarbons by GC FID

S-04

GRO C6-C10*	<10.0		10.0	mg/kg	1	2022812	MS	28-Feb-22	8015B	
DRO >C10-C28*	405		10.0	mg/kg	1	2022812	MS	28-Feb-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2022812	MS	28-Feb-22	8015B	
Surrogate: 1-Chlorooctane			110 %	66.9-136		2022812	MS	28-Feb-22	8015B	
Surrogate: 1-Chlorooctadecane			159 %	59.5-142		2022812	MS	28-Feb-22	8015B	

VOLATILES BY GC/MS

Dichlorodifluoromethane*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
Chloromethane*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
Vinyl chloride*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
Bromomethane*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
Chloroethane*	<0.250		0.250	mg/kg	50	2022808	MS	28-Feb-22	8260B	
Trichlorofluoromethane*	<0.250		0.250	mg/kg	50	2022808	MS	28-Feb-22	8260B	
1,1-Dichloroethene*	<0.250		0.250	mg/kg	50	2022808	MS	28-Feb-22	8260B	
Carbon disulfide*	<0.250		0.250	mg/kg	50	2022808	MS	28-Feb-22	8260B	
Iodomethane	<0.250		0.250	mg/kg	50	2022808	MS	28-Feb-22	8260B	
Acrolein*	<0.250		0.250	mg/kg	50	2022808	MS	28-Feb-22	8260B	
Methylene chloride*	<0.500		0.500	mg/kg	50	2022808	MS	28-Feb-22	8260B	
Acetone*	<0.250		0.250	mg/kg	50	2022808	MS	28-Feb-22	8260B	
trans-1,2-Dichloroethene*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
Methyl t-Butyl Ether*	<0.050		0.050	mg/kg	50	2022808	MS	28-Feb-22	8260B	
1,1-Dichloroethane*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
Acrylonitrile*	<0.050		0.050	mg/kg	50	2022808	MS	28-Feb-22	8260B	
Vinyl acetate*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
cis-1,2-Dichloroethene*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
2,2-Dichloropropane*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ALTAMIRA - US 14229 PUNTA BONAIRE DR. CORPUS CHRISTI TX, 78418	Project: NOVO OVATION (OFFSITE) Project Number: NVONM2104 Project Manager: BRIAN HANEY Fax To:	Reported: 01-Mar-22 10:03
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**G- 3 (0-0.5')
H220759-03 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

VOLATILES BY GC/MS

Bromochloromethane*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
Chloroform*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
Carbon tetrachloride*	<0.050		0.050	mg/kg	50	2022808	MS	28-Feb-22	8260B	
1,1,1-Trichloroethane*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
1,1-Dichloropropene*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
2-Butanone*	<0.050		0.050	mg/kg	50	2022808	MS	28-Feb-22	8260B	
Benzene*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
1,2-Dichloroethane*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
Trichloroethene*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
Dibromomethane*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
1,2-Dichloropropane*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
Bromodichloromethane*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
cis-1,3-Dichloropropene*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
Toluene*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
4-Methyl-2-pentanone*	<0.050		0.050	mg/kg	50	2022808	MS	28-Feb-22	8260B	
Tetrachloroethene*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
trans-1,3-Dichloropropene*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
1,1,2-Trichloroethane*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
Dibromochloromethane*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
1,3-Dichloropropane*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
1,2-Dibromoethane*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
2-Hexanone*	<0.050		0.050	mg/kg	50	2022808	MS	28-Feb-22	8260B	
Chlorobenzene*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
Ethylbenzene*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
1,1,1,2-Tetrachloroethane*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
m+p - Xylene*	<0.050		0.050	mg/kg	50	2022808	MS	28-Feb-22	8260B	
o-Xylene*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
Total Xylenes*	<0.050		0.050	mg/kg	50	2022808	MS	28-Feb-22	8260B	
Bromoform*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ALTAMIRA - US
14229 PUNTA BONAIRE DR.
CORPUS CHRISTI TX, 78418

Project: NOVO OVATION (OFFSITE)
Project Number: NVONM2104
Project Manager: BRIAN HANEY
Fax To:

Reported:
01-Mar-22 10:03

G- 3 (0-0.5')**H220759-03 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**VOLATILES BY GC/MS**

Styrene*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
Isopropylbenzene*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
Bromobenzene*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
n-Propylbenzene*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
1,1,2,2-Tetrachloroethane*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
2-Chlorotoluene*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
1,2,3-trichloropropane*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
1,3,5-Trimethylbenzene*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
trans-1,4-Dichloro-2-butene	<0.250		0.250	mg/kg	50	2022808	MS	28-Feb-22	8260B	
4-Chlorotoluene*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
tert-Butylbenzene*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
1,2,4-Trimethylbenzene*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
sec-Butylbenzene*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
p-Isopropyltoluene*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
1,3-Dichlorobenzene*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
1,4 Dichlorobenzene*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
n-Butylbenzene*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
1,2-Dichlorobenzene*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
1,2-Dibromo-3-chloropropane*	<0.250		0.250	mg/kg	50	2022808	MS	28-Feb-22	8260B	
Hexachlorobutadiene*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
1,2,4-Trichlorobenzene*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
Naphthalene*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
1,2,3-Trichlorobenzene*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
1,4-Dioxane	<6.25		6.25	mg/kg	50	2022808	MS	28-Feb-22	8260B	
Surrogate: Dibromofluoromethane			98.2 %	84.6-114		2022808	MS	28-Feb-22	8260B	
Surrogate: Toluene-d8			101 %	90.4-109		2022808	MS	28-Feb-22	8260B	
Surrogate: 4-Bromofluorobenzene			102 %	82.5-117		2022808	MS	28-Feb-22	8260B	

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ALTAMIRA - US
14229 PUNTA BONAIRE DR.
CORPUS CHRISTI TX, 78418

Project: NOVO OVATION (OFFSITE)
Project Number: NVONM2104
Project Manager: BRIAN HANEY
Fax To:

Reported:
01-Mar-22 10:03

G- 4 (0-0.5')**H220759-04 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	832		16.0	mg/kg	4	2030103	GM	01-Mar-22	4500-Cl-B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	2022812	MS	28-Feb-22	8015B	
DRO >C10-C28*	55.7		10.0	mg/kg	1	2022812	MS	28-Feb-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2022812	MS	28-Feb-22	8015B	

Surrogate: 1-Chlorooctane 113 % 66.9-136 2022812 MS 28-Feb-22 8015B

Surrogate: 1-Chlorooctadecane 128 % 59.5-142 2022812 MS 28-Feb-22 8015B

VOLATILES BY GC/MS

Dichlorodifluoromethane*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
Chloromethane*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
Vinyl chloride*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
Bromomethane*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
Chloroethane*	<0.250		0.250	mg/kg	50	2022808	MS	28-Feb-22	8260B	
Trichlorofluoromethane*	<0.250		0.250	mg/kg	50	2022808	MS	28-Feb-22	8260B	
1,1-Dichloroethene*	<0.250		0.250	mg/kg	50	2022808	MS	28-Feb-22	8260B	
Carbon disulfide*	<0.250		0.250	mg/kg	50	2022808	MS	28-Feb-22	8260B	
Iodomethane	<0.250		0.250	mg/kg	50	2022808	MS	28-Feb-22	8260B	
Acrolein*	<0.250		0.250	mg/kg	50	2022808	MS	28-Feb-22	8260B	
Methylene chloride*	<0.500		0.500	mg/kg	50	2022808	MS	28-Feb-22	8260B	
Acetone*	<0.250		0.250	mg/kg	50	2022808	MS	28-Feb-22	8260B	
trans-1,2-Dichloroethene*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
Methyl t-Butyl Ether*	<0.050		0.050	mg/kg	50	2022808	MS	28-Feb-22	8260B	
1,1-Dichloroethane*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
Acrylonitrile*	<0.050		0.050	mg/kg	50	2022808	MS	28-Feb-22	8260B	
Vinyl acetate*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
cis-1,2-Dichloroethene*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
2,2-Dichloropropane*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	

Cardinal Laboratories

* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ALTAMIRA - US 14229 PUNTA BONAIRE DR. CORPUS CHRISTI TX, 78418	Project: NOVO OVATION (OFFSITE) Project Number: NVONM2104 Project Manager: BRIAN HANEY Fax To:	Reported: 01-Mar-22 10:03
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**G- 4 (0-0.5')
H220759-04 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

VOLATILES BY GC/MS

Bromochloromethane*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
Chloroform*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
Carbon tetrachloride*	<0.050		0.050	mg/kg	50	2022808	MS	28-Feb-22	8260B	
1,1,1-Trichloroethane*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
1,1-Dichloropropene*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
2-Butanone*	<0.050		0.050	mg/kg	50	2022808	MS	28-Feb-22	8260B	
Benzene*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
1,2-Dichloroethane*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
Trichloroethene*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
Dibromomethane*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
1,2-Dichloropropane*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
Bromodichloromethane*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
cis-1,3-Dichloropropene*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
Toluene*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
4-Methyl-2-pentanone*	<0.050		0.050	mg/kg	50	2022808	MS	28-Feb-22	8260B	
Tetrachloroethene*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
trans-1,3-Dichloropropene*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
1,1,2-Trichloroethane*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
Dibromochloromethane*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
1,3-Dichloropropane*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
1,2-Dibromoethane*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
2-Hexanone*	<0.050		0.050	mg/kg	50	2022808	MS	28-Feb-22	8260B	
Chlorobenzene*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
Ethylbenzene*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
1,1,1,2-Tetrachloroethane*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
m+p - Xylene*	<0.050		0.050	mg/kg	50	2022808	MS	28-Feb-22	8260B	
Total Xylenes*	<0.050		0.050	mg/kg	50	2022808	MS	28-Feb-22	8260B	
o-Xylene*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
Bromoform*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ALTAMIRA - US
14229 PUNTA BONAIRE DR.
CORPUS CHRISTI TX, 78418

Project: NOVO OVATION (OFFSITE)
Project Number: NVONM2104
Project Manager: BRIAN HANEY
Fax To:

Reported:
01-Mar-22 10:03

G- 4 (0-0.5')**H220759-04 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**VOLATILES BY GC/MS**

Styrene*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
Isopropylbenzene*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
Bromobenzene*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
n-Propylbenzene*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
1,1,2,2-Tetrachloroethane*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
2-Chlorotoluene*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
1,2,3-trichloropropane*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
1,3,5-Trimethylbenzene*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
trans-1,4-Dichloro-2-butene	<0.250		0.250	mg/kg	50	2022808	MS	28-Feb-22	8260B	
4-Chlorotoluene*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
tert-Butylbenzene*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
1,2,4-Trimethylbenzene*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
sec-Butylbenzene*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
p-Isopropyltoluene*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
1,3-Dichlorobenzene*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
1,4 Dichlorobenzene*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
n-Butylbenzene*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
1,2-Dichlorobenzene*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
1,2-Dibromo-3-chloropropane*	<0.250		0.250	mg/kg	50	2022808	MS	28-Feb-22	8260B	
Hexachlorobutadiene*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
1,2,4-Trichlorobenzene*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
Naphthalene*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
1,2,3-Trichlorobenzene*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
1,4-Dioxane	<6.25		6.25	mg/kg	50	2022808	MS	28-Feb-22	8260B	
Surrogate: Dibromofluoromethane			97.0 %	84.6-114		2022808	MS	28-Feb-22	8260B	
Surrogate: Toluene-d8			101 %	90.4-109		2022808	MS	28-Feb-22	8260B	
Surrogate: 4-Bromofluorobenzene			98.5 %	82.5-117		2022808	MS	28-Feb-22	8260B	

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ALTAMIRA - US 14229 PUNTA BONAIRE DR. CORPUS CHRISTI TX, 78418	Project: NOVO OVATION (OFFSITE) Project Number: NVONM2104 Project Manager: BRIAN HANEY Fax To:	Reported: 01-Mar-22 10:03
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**G- 5 (0-0.5')
H220759-05 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Chloride	144		16.0	mg/kg	4	2030103	GM	01-Mar-22	4500-Cl-B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	2022812	MS	28-Feb-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2022812	MS	28-Feb-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2022812	MS	28-Feb-22	8015B	
Surrogate: 1-Chlorooctane			108 %	66.9-136		2022812	MS	28-Feb-22	8015B	
Surrogate: 1-Chlorooctadecane			120 %	59.5-142		2022812	MS	28-Feb-22	8015B	

VOLATILES BY GC/MS

Dichlorodifluoromethane*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
Chloromethane*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
Vinyl chloride*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
Bromomethane*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
Chloroethane*	<0.250		0.250	mg/kg	50	2022808	MS	28-Feb-22	8260B	
Trichlorofluoromethane*	<0.250		0.250	mg/kg	50	2022808	MS	28-Feb-22	8260B	
1,1-Dichloroethene*	<0.250		0.250	mg/kg	50	2022808	MS	28-Feb-22	8260B	
Carbon disulfide*	<0.250		0.250	mg/kg	50	2022808	MS	28-Feb-22	8260B	
Iodomethane	<0.250		0.250	mg/kg	50	2022808	MS	28-Feb-22	8260B	
Acrolein*	<0.250		0.250	mg/kg	50	2022808	MS	28-Feb-22	8260B	
Methylene chloride*	<0.500		0.500	mg/kg	50	2022808	MS	28-Feb-22	8260B	
Acetone*	<0.250		0.250	mg/kg	50	2022808	MS	28-Feb-22	8260B	
trans-1,2-Dichloroethene*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
Methyl t-Butyl Ether*	<0.050		0.050	mg/kg	50	2022808	MS	28-Feb-22	8260B	
1,1-Dichloroethane*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
Acrylonitrile*	<0.050		0.050	mg/kg	50	2022808	MS	28-Feb-22	8260B	
Vinyl acetate*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
cis-1,2-Dichloroethene*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
2,2-Dichloropropane*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ALTAMIRA - US 14229 PUNTA BONAIRE DR. CORPUS CHRISTI TX, 78418	Project: NOVO OVATION (OFFSITE) Project Number: NVONM2104 Project Manager: BRIAN HANEY Fax To:	Reported: 01-Mar-22 10:03
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**G- 5 (0-0.5')
H220759-05 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

VOLATILES BY GC/MS

Bromochloromethane*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
Chloroform*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
Carbon tetrachloride*	<0.050		0.050	mg/kg	50	2022808	MS	28-Feb-22	8260B	
1,1,1-Trichloroethane*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
1,1-Dichloropropene*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
2-Butanone*	<0.050		0.050	mg/kg	50	2022808	MS	28-Feb-22	8260B	
Benzene*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
1,2-Dichloroethane*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
Trichloroethene*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
Dibromomethane*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
1,2-Dichloropropane*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
Bromodichloromethane*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
cis-1,3-Dichloropropene*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
Toluene*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
4-Methyl-2-pentanone*	<0.050		0.050	mg/kg	50	2022808	MS	28-Feb-22	8260B	
Tetrachloroethene*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
trans-1,3-Dichloropropene*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
1,1,2-Trichloroethane*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
Dibromochloromethane*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
1,3-Dichloropropane*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
1,2-Dibromoethane*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
2-Hexanone*	<0.050		0.050	mg/kg	50	2022808	MS	28-Feb-22	8260B	
Chlorobenzene*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
Ethylbenzene*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
1,1,1,2-Tetrachloroethane*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
m+p - Xylene*	<0.050		0.050	mg/kg	50	2022808	MS	28-Feb-22	8260B	
o-Xylene*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
Total Xylenes*	<0.050		0.050	mg/kg	50	2022808	MS	28-Feb-22	8260B	
Bromoform*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ALTAMIRA - US
14229 PUNTA BONAIRE DR.
CORPUS CHRISTI TX, 78418

Project: NOVO OVATION (OFFSITE)
Project Number: NVONM2104
Project Manager: BRIAN HANEY
Fax To:

Reported:
01-Mar-22 10:03

G- 5 (0-0.5')**H220759-05 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**VOLATILES BY GC/MS**

Styrene*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
Isopropylbenzene*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
Bromobenzene*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
n-Propylbenzene*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
1,1,2,2-Tetrachloroethane*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
2-Chlorotoluene*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
1,2,3-trichloropropane*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
1,3,5-Trimethylbenzene*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
trans-1,4-Dichloro-2-butene	<0.250		0.250	mg/kg	50	2022808	MS	28-Feb-22	8260B	
4-Chlorotoluene*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
tert-Butylbenzene*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
1,2,4-Trimethylbenzene*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
sec-Butylbenzene*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
p-Isopropyltoluene*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
1,3-Dichlorobenzene*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
1,4 Dichlorobenzene*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
n-Butylbenzene*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
1,2-Dichlorobenzene*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
1,2-Dibromo-3-chloropropane*	<0.250		0.250	mg/kg	50	2022808	MS	28-Feb-22	8260B	
Hexachlorobutadiene*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
1,2,4-Trichlorobenzene*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
Naphthalene*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
1,2,3-Trichlorobenzene*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
1,4-Dioxane	<6.25		6.25	mg/kg	50	2022808	MS	28-Feb-22	8260B	
Surrogate: Dibromofluoromethane			95.9 %	84.6-114		2022808	MS	28-Feb-22	8260B	
Surrogate: Toluene-d8			101 %	90.4-109		2022808	MS	28-Feb-22	8260B	
Surrogate: 4-Bromofluorobenzene			102 %	82.5-117		2022808	MS	28-Feb-22	8260B	

Cardinal Laboratories

* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ALTAMIRA - US
14229 PUNTA BONAIRE DR.
CORPUS CHRISTI TX, 78418

Project: NOVO OVATION (OFFSITE)
Project Number: NVONM2104
Project Manager: BRIAN HANEY
Fax To:

Reported:
01-Mar-22 10:03

G- 6 (0-0.5')**H220759-06 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	1780		16.0	mg/kg	4	2030103	GM	01-Mar-22	4500-Cl-B	
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Petroleum Hydrocarbons by GC FID**S-04**

GRO C6-C10*	<10.0		10.0	mg/kg	1	2022812	MS	28-Feb-22	8015B	
DRO >C10-C28*	740		10.0	mg/kg	1	2022812	MS	28-Feb-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2022812	MS	28-Feb-22	8015B	

Surrogate: 1-Chlorooctane 113 % 66.9-136 2022812 MS 28-Feb-22 8015B

Surrogate: 1-Chlorooctadecane 143 % 59.5-142 2022812 MS 28-Feb-22 8015B

VOLATILES BY GC/MS

Dichlorodifluoromethane*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
Chloromethane*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
Vinyl chloride*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
Bromomethane*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
Chloroethane*	<0.250		0.250	mg/kg	50	2022808	MS	28-Feb-22	8260B	
Trichlorofluoromethane*	<0.250		0.250	mg/kg	50	2022808	MS	28-Feb-22	8260B	
1,1-Dichloroethene*	<0.250		0.250	mg/kg	50	2022808	MS	28-Feb-22	8260B	
Carbon disulfide*	<0.250		0.250	mg/kg	50	2022808	MS	28-Feb-22	8260B	
Iodomethane	<0.250		0.250	mg/kg	50	2022808	MS	28-Feb-22	8260B	
Acrolein*	<0.250		0.250	mg/kg	50	2022808	MS	28-Feb-22	8260B	
Methylene chloride*	<0.500		0.500	mg/kg	50	2022808	MS	28-Feb-22	8260B	
Acetone*	<0.250		0.250	mg/kg	50	2022808	MS	28-Feb-22	8260B	
trans-1,2-Dichloroethene*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
Methyl t-Butyl Ether*	<0.050		0.050	mg/kg	50	2022808	MS	28-Feb-22	8260B	
1,1-Dichloroethane*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
Acrylonitrile*	<0.050		0.050	mg/kg	50	2022808	MS	28-Feb-22	8260B	
Vinyl acetate*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
cis-1,2-Dichloroethene*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
2,2-Dichloropropane*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	

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* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ALTAMIRA - US 14229 PUNTA BONAIRE DR. CORPUS CHRISTI TX, 78418	Project: NOVO OVATION (OFFSITE) Project Number: NVONM2104 Project Manager: BRIAN HANEY Fax To:	Reported: 01-Mar-22 10:03
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**G- 6 (0-0.5')
H220759-06 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

VOLATILES BY GC/MS

Bromochloromethane*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
Chloroform*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
Carbon tetrachloride*	<0.050		0.050	mg/kg	50	2022808	MS	28-Feb-22	8260B	
1,1,1-Trichloroethane*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
1,1-Dichloropropene*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
2-Butanone*	<0.050		0.050	mg/kg	50	2022808	MS	28-Feb-22	8260B	
Benzene*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
1,2-Dichloroethane*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
Trichloroethene*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
Dibromomethane*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
1,2-Dichloropropane*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
Bromodichloromethane*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
cis-1,3-Dichloropropene*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
Toluene*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
4-Methyl-2-pentanone*	<0.050		0.050	mg/kg	50	2022808	MS	28-Feb-22	8260B	
Tetrachloroethene*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
trans-1,3-Dichloropropene*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
1,1,2-Trichloroethane*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
Dibromochloromethane*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
1,3-Dichloropropane*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
1,2-Dibromoethane*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
2-Hexanone*	<0.050		0.050	mg/kg	50	2022808	MS	28-Feb-22	8260B	
Chlorobenzene*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
Ethylbenzene*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
1,1,1,2-Tetrachloroethane*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
m+p - Xylene*	<0.050		0.050	mg/kg	50	2022808	MS	28-Feb-22	8260B	
Total Xylenes*	<0.050		0.050	mg/kg	50	2022808	MS	28-Feb-22	8260B	
o-Xylene*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
Bromoform*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ALTAMIRA - US
14229 PUNTA BONAIRE DR.
CORPUS CHRISTI TX, 78418

Project: NOVO OVATION (OFFSITE)
Project Number: NVONM2104
Project Manager: BRIAN HANEY
Fax To:

Reported:
01-Mar-22 10:03

G- 6 (0-0.5')**H220759-06 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**VOLATILES BY GC/MS**

Styrene*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
Isopropylbenzene*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
Bromobenzene*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
n-Propylbenzene*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
1,1,2,2-Tetrachloroethane*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
2-Chlorotoluene*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
1,2,3-trichloropropane*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
1,3,5-Trimethylbenzene*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
trans-1,4-Dichloro-2-butene	<0.250		0.250	mg/kg	50	2022808	MS	28-Feb-22	8260B	
4-Chlorotoluene*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
tert-Butylbenzene*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
1,2,4-Trimethylbenzene*	0.029		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
sec-Butylbenzene*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
p-Isopropyltoluene*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
1,3-Dichlorobenzene*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
1,4 Dichlorobenzene*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
n-Butylbenzene*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
1,2-Dichlorobenzene*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
1,2-Dibromo-3-chloropropane*	<0.250		0.250	mg/kg	50	2022808	MS	28-Feb-22	8260B	
Hexachlorobutadiene*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
1,2,4-Trichlorobenzene*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
Naphthalene*	0.150		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
1,2,3-Trichlorobenzene*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
1,4-Dioxane	<6.25		6.25	mg/kg	50	2022808	MS	28-Feb-22	8260B	
Surrogate: Dibromofluoromethane			98.3 %	84.6-114		2022808	MS	28-Feb-22	8260B	
Surrogate: Toluene-d8			101 %	90.4-109		2022808	MS	28-Feb-22	8260B	
Surrogate: 4-Bromofluorobenzene			98.9 %	82.5-117		2022808	MS	28-Feb-22	8260B	

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ALTAMIRA - US 14229 PUNTA BONAIRE DR. CORPUS CHRISTI TX, 78418	Project: NOVO OVATION (OFFSITE) Project Number: NVONM2104 Project Manager: BRIAN HANEY Fax To:	Reported: 01-Mar-22 10:03
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**G- 7 (0-0.5')
H220759-07 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Chloride	240		16.0	mg/kg	4	2030103	GM	01-Mar-22	4500-Cl-B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	103		10.0	mg/kg	1	2022812	MS	28-Feb-22	8015B	
DRO >C10-C28*	1370		10.0	mg/kg	1	2022812	MS	28-Feb-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2022812	MS	28-Feb-22	8015B	
Surrogate: 1-Chlorooctane			127 %	66.9-136		2022812	MS	28-Feb-22	8015B	
Surrogate: 1-Chlorooctadecane			129 %	59.5-142		2022812	MS	28-Feb-22	8015B	

VOLATILES BY GC/MS

Dichlorodifluoromethane*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
Chloromethane*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
Vinyl chloride*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
Bromomethane*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
Chloroethane*	<0.250		0.250	mg/kg	50	2022808	MS	28-Feb-22	8260B	
Trichlorofluoromethane*	<0.250		0.250	mg/kg	50	2022808	MS	28-Feb-22	8260B	
1,1-Dichloroethene*	<0.250		0.250	mg/kg	50	2022808	MS	28-Feb-22	8260B	
Carbon disulfide*	<0.250		0.250	mg/kg	50	2022808	MS	28-Feb-22	8260B	
Iodomethane	<0.250		0.250	mg/kg	50	2022808	MS	28-Feb-22	8260B	
Acrolein*	<0.250		0.250	mg/kg	50	2022808	MS	28-Feb-22	8260B	
Methylene chloride*	<0.500		0.500	mg/kg	50	2022808	MS	28-Feb-22	8260B	
Acetone*	<0.250		0.250	mg/kg	50	2022808	MS	28-Feb-22	8260B	
trans-1,2-Dichloroethene*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
Methyl t-Butyl Ether*	<0.050		0.050	mg/kg	50	2022808	MS	28-Feb-22	8260B	
1,1-Dichloroethane*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
Acrylonitrile*	<0.050		0.050	mg/kg	50	2022808	MS	28-Feb-22	8260B	
Vinyl acetate*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
cis-1,2-Dichloroethene*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
2,2-Dichloropropane*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ALTAMIRA - US 14229 PUNTA BONAIRE DR. CORPUS CHRISTI TX, 78418	Project: NOVO OVATION (OFFSITE) Project Number: NVONM2104 Project Manager: BRIAN HANEY Fax To:	Reported: 01-Mar-22 10:03
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**G- 7 (0-0.5')
H220759-07 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

VOLATILES BY GC/MS

Bromochloromethane*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
Chloroform*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
Carbon tetrachloride*	<0.050		0.050	mg/kg	50	2022808	MS	28-Feb-22	8260B	
1,1,1-Trichloroethane*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
1,1-Dichloropropene*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
2-Butanone*	<0.050		0.050	mg/kg	50	2022808	MS	28-Feb-22	8260B	
Benzene*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
1,2-Dichloroethane*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
Trichloroethene*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
Dibromomethane*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
1,2-Dichloropropane*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
Bromodichloromethane*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
cis-1,3-Dichloropropene*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
Toluene*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
4-Methyl-2-pentanone*	<0.050		0.050	mg/kg	50	2022808	MS	28-Feb-22	8260B	
Tetrachloroethene*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
trans-1,3-Dichloropropene*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
1,1,2-Trichloroethane*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
Dibromochloromethane*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
1,3-Dichloropropane*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
1,2-Dibromoethane*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
2-Hexanone*	<0.050		0.050	mg/kg	50	2022808	MS	28-Feb-22	8260B	
Chlorobenzene*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
Ethylbenzene*	0.098		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
1,1,1,2-Tetrachloroethane*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
m+p - Xylene*	0.400		0.050	mg/kg	50	2022808	MS	28-Feb-22	8260B	
o-Xylene*	0.286		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
Total Xylenes*	0.686		0.050	mg/kg	50	2022808	MS	28-Feb-22	8260B	
Bromoform*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ALTAMIRA - US
14229 PUNTA BONAIRE DR.
CORPUS CHRISTI TX, 78418

Project: NOVO OVATION (OFFSITE)
Project Number: NVONM2104
Project Manager: BRIAN HANEY
Fax To:

Reported:
01-Mar-22 10:03

G- 7 (0-0.5')**H220759-07 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**VOLATILES BY GC/MS**

Styrene*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
Isopropylbenzene*	0.096		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
Bromobenzene*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
n-Propylbenzene*	0.298		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
1,1,2,2-Tetrachloroethane*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
2-Chlorotoluene*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
1,2,3-trichloropropane*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
1,3,5-Trimethylbenzene*	0.673		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
trans-1,4-Dichloro-2-butene	<0.250		0.250	mg/kg	50	2022808	MS	28-Feb-22	8260B	
4-Chlorotoluene*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
tert-Butylbenzene*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
1,2,4-Trimethylbenzene*	2.59		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
sec-Butylbenzene*	0.340		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
p-Isopropyltoluene*	0.757		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
1,3-Dichlorobenzene*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
1,4 Dichlorobenzene*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
n-Butylbenzene*	0.614		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
1,2-Dichlorobenzene*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
1,2-Dibromo-3-chloropropane*	<0.250		0.250	mg/kg	50	2022808	MS	28-Feb-22	8260B	
Hexachlorobutadiene*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
1,2,4-Trichlorobenzene*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
Naphthalene*	0.530		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
1,2,3-Trichlorobenzene*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
1,4-Dioxane	<6.25		6.25	mg/kg	50	2022808	MS	28-Feb-22	8260B	
Surrogate: Dibromofluoromethane			99.1 %	84.6-114		2022808	MS	28-Feb-22	8260B	
Surrogate: Toluene-d8			98.8 %	90.4-109		2022808	MS	28-Feb-22	8260B	
Surrogate: 4-Bromofluorobenzene			138 %	82.5-117		2022808	MS	28-Feb-22	8260B	S-04

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* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ALTAMIRA - US 14229 PUNTA BONAIRE DR. CORPUS CHRISTI TX, 78418	Project: NOVO OVATION (OFFSITE) Project Number: NVONM2104 Project Manager: BRIAN HANEY Fax To:	Reported: 01-Mar-22 10:03
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**G- 8 (0-0.5')
H220759-08 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Chloride	48.0		16.0	mg/kg	4	2030103	GM	01-Mar-22	4500-Cl-B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	2022812	MS	28-Feb-22	8015B	
DRO >C10-C28*	80.7		10.0	mg/kg	1	2022812	MS	28-Feb-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2022812	MS	28-Feb-22	8015B	
Surrogate: 1-Chlorooctane			116 %	66.9-136		2022812	MS	28-Feb-22	8015B	
Surrogate: 1-Chlorooctadecane			131 %	59.5-142		2022812	MS	28-Feb-22	8015B	

VOLATILES BY GC/MS

Dichlorodifluoromethane*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
Chloromethane*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
Vinyl chloride*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
Bromomethane*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
Chloroethane*	<0.250		0.250	mg/kg	50	2022808	MS	28-Feb-22	8260B	
Trichlorofluoromethane*	<0.250		0.250	mg/kg	50	2022808	MS	28-Feb-22	8260B	
1,1-Dichloroethene*	<0.250		0.250	mg/kg	50	2022808	MS	28-Feb-22	8260B	
Carbon disulfide*	<0.250		0.250	mg/kg	50	2022808	MS	28-Feb-22	8260B	
Iodomethane	<0.250		0.250	mg/kg	50	2022808	MS	28-Feb-22	8260B	
Acrolein*	<0.250		0.250	mg/kg	50	2022808	MS	28-Feb-22	8260B	
Methylene chloride*	<0.500		0.500	mg/kg	50	2022808	MS	28-Feb-22	8260B	
Acetone*	<0.250		0.250	mg/kg	50	2022808	MS	28-Feb-22	8260B	
trans-1,2-Dichloroethene*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
Methyl t-Butyl Ether*	<0.050		0.050	mg/kg	50	2022808	MS	28-Feb-22	8260B	
1,1-Dichloroethane*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
Acrylonitrile*	<0.050		0.050	mg/kg	50	2022808	MS	28-Feb-22	8260B	
Vinyl acetate*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
cis-1,2-Dichloroethene*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
2,2-Dichloropropane*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ALTAMIRA - US 14229 PUNTA BONAIRE DR. CORPUS CHRISTI TX, 78418	Project: NOVO OVATION (OFFSITE) Project Number: NVONM2104 Project Manager: BRIAN HANEY Fax To:	Reported: 01-Mar-22 10:03
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**G- 8 (0-0.5')
H220759-08 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

VOLATILES BY GC/MS

Bromochloromethane*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
Chloroform*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
Carbon tetrachloride*	<0.050		0.050	mg/kg	50	2022808	MS	28-Feb-22	8260B	
1,1,1-Trichloroethane*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
1,1-Dichloropropene*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
2-Butanone*	<0.050		0.050	mg/kg	50	2022808	MS	28-Feb-22	8260B	
Benzene*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
1,2-Dichloroethane*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
Trichloroethene*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
Dibromomethane*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
1,2-Dichloropropane*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
Bromodichloromethane*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
cis-1,3-Dichloropropene*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
Toluene*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
4-Methyl-2-pentanone*	<0.050		0.050	mg/kg	50	2022808	MS	28-Feb-22	8260B	
Tetrachloroethene*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
trans-1,3-Dichloropropene*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
1,1,2-Trichloroethane*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
Dibromochloromethane*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
1,3-Dichloropropane*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
1,2-Dibromoethane*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
2-Hexanone*	<0.050		0.050	mg/kg	50	2022808	MS	28-Feb-22	8260B	
Chlorobenzene*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
Ethylbenzene*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
1,1,1,2-Tetrachloroethane*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
m+p - Xylene*	<0.050		0.050	mg/kg	50	2022808	MS	28-Feb-22	8260B	
Total Xylenes*	<0.050		0.050	mg/kg	50	2022808	MS	28-Feb-22	8260B	
o-Xylene*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
Bromoform*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ALTAMIRA - US
14229 PUNTA BONAIRE DR.
CORPUS CHRISTI TX, 78418

Project: NOVO OVATION (OFFSITE)
Project Number: NVONM2104
Project Manager: BRIAN HANEY
Fax To:

Reported:
01-Mar-22 10:03

G- 8 (0-0.5')**H220759-08 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**VOLATILES BY GC/MS**

Styrene*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
Isopropylbenzene*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
Bromobenzene*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
n-Propylbenzene*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
1,1,2,2-Tetrachloroethane*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
2-Chlorotoluene*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
1,2,3-trichloropropane*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
1,3,5-Trimethylbenzene*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
trans-1,4-Dichloro-2-butene	<0.250		0.250	mg/kg	50	2022808	MS	28-Feb-22	8260B	
4-Chlorotoluene*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
tert-Butylbenzene*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
1,2,4-Trimethylbenzene*	0.087		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
sec-Butylbenzene*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
p-Isopropyltoluene*	0.037		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
1,3-Dichlorobenzene*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
1,4 Dichlorobenzene*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
n-Butylbenzene*	0.040		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
1,2-Dichlorobenzene*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
1,2-Dibromo-3-chloropropane*	<0.250		0.250	mg/kg	50	2022808	MS	28-Feb-22	8260B	
Hexachlorobutadiene*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
1,2,4-Trichlorobenzene*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
Naphthalene*	0.045		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
1,2,3-Trichlorobenzene*	<0.025		0.025	mg/kg	50	2022808	MS	28-Feb-22	8260B	
1,4-Dioxane	<6.25		6.25	mg/kg	50	2022808	MS	28-Feb-22	8260B	
Surrogate: Dibromofluoromethane			98.4 %	84.6-114		2022808	MS	28-Feb-22	8260B	
Surrogate: Toluene-d8			100 %	90.4-109		2022808	MS	28-Feb-22	8260B	
Surrogate: 4-Bromofluorobenzene			104 %	82.5-117		2022808	MS	28-Feb-22	8260B	

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* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ALTAMIRA - US
14229 PUNTA BONAIRE DR.
CORPUS CHRISTI TX, 78418

Project: NOVO OVATION (OFFSITE)
Project Number: NVONM2104
Project Manager: BRIAN HANEY
Fax To:

Reported:
01-Mar-22 10:03

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Analytical Results For:

ALTAMIRA - US 14229 PUNTA BONAIRE DR. CORPUS CHRISTI TX, 78418	Project: NOVO OVATION (OFFSITE) Project Number: NVONM2104 Project Manager: BRIAN HANEY Fax To:	Reported: 01-Mar-22 10:03
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Inorganic Compounds - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 2030103 - 1:4 DI Water										
Blank (2030103-BLK1)										
Prepared & Analyzed: 01-Mar-22										
Chloride	ND	16.0	mg/kg							
LCS (2030103-BS1)										
Prepared & Analyzed: 01-Mar-22										
Chloride	432	16.0	mg/kg	400		108	80-120			
LCS Dup (2030103-BSD1)										
Prepared & Analyzed: 01-Mar-22										
Chloride	432	16.0	mg/kg	400		108	80-120	0.00	20	

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Analytical Results For:

ALTAMIRA - US 14229 PUNTA BONAIRE DR. CORPUS CHRISTI TX, 78418	Project: NOVO OVATION (OFFSITE) Project Number: NVONM2104 Project Manager: BRIAN HANEY Fax To:	Reported: 01-Mar-22 10:03
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Petroleum Hydrocarbons by GC FID - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 2022812 - General Prep - Organics

Blank (2022812-BLK1)			Prepared & Analyzed: 28-Feb-22							
GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
<i>Surrogate: 1-Chlorooctane</i>	46.2		mg/kg	50.0		92.4	66.9-136			
<i>Surrogate: 1-Chlorooctadecane</i>	51.5		mg/kg	50.0		103	59.5-142			

LCS (2022812-BS1)			Prepared & Analyzed: 28-Feb-22							
GRO C6-C10	216	10.0	mg/kg	200		108	81.6-129			
DRO >C10-C28	212	10.0	mg/kg	200		106	83-129			
Total TPH C6-C28	429	10.0	mg/kg	400		107	84.5-127			
<i>Surrogate: 1-Chlorooctane</i>	53.7		mg/kg	50.0		107	66.9-136			
<i>Surrogate: 1-Chlorooctadecane</i>	59.1		mg/kg	50.0		118	59.5-142			

LCS Dup (2022812-BSD1)			Prepared & Analyzed: 28-Feb-22							
GRO C6-C10	227	10.0	mg/kg	200		114	81.6-129	4.94	21.4	
DRO >C10-C28	221	10.0	mg/kg	200		111	83-129	4.07	17.9	
Total TPH C6-C28	449	10.0	mg/kg	400		112	84.5-127	4.51	17.6	
<i>Surrogate: 1-Chlorooctane</i>	52.6		mg/kg	50.0		105	66.9-136			
<i>Surrogate: 1-Chlorooctadecane</i>	57.4		mg/kg	50.0		115	59.5-142			

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ALTAMIRA - US 14229 PUNTA BONAIRE DR. CORPUS CHRISTI TX, 78418	Project: NOVO OVATION (OFFSITE) Project Number: NVONM2104 Project Manager: BRIAN HANEY Fax To:	Reported: 01-Mar-22 10:03
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VOLATILES BY GC/MS - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 2022808 - Volatiles

Blank (2022808-BLK1)

Prepared & Analyzed: 28-Feb-22

Dichlorodifluoromethane	ND	0.025	mg/kg							
Chloromethane	ND	0.025	mg/kg							
Vinyl chloride	ND	0.025	mg/kg							
Bromomethane	ND	0.025	mg/kg							
Chloroethane	ND	0.250	mg/kg							
Trichlorofluoromethane	ND	0.250	mg/kg							
1,1-Dichloroethene	ND	0.250	mg/kg							
Carbon disulfide	ND	0.250	mg/kg							
Iodomethane	ND	0.250	mg/kg							
Acrolein	ND	0.250	mg/kg							
Methylene chloride	ND	0.500	mg/kg							
Acetone	ND	0.250	mg/kg							
trans-1,2-Dichloroethene	ND	0.025	mg/kg							
Methyl t-Butyl Ether	ND	0.050	mg/kg							
1,1-Dichloroethane	ND	0.025	mg/kg							
Acrylonitrile	ND	0.050	mg/kg							
Vinyl acetate	ND	0.025	mg/kg							
cis-1,2-Dichloroethene	ND	0.025	mg/kg							
2,2-Dichloropropane	ND	0.025	mg/kg							
Bromochloromethane	ND	0.025	mg/kg							
Chloroform	ND	0.025	mg/kg							
Carbon tetrachloride	ND	0.050	mg/kg							
1,1,1-Trichloroethane	ND	0.025	mg/kg							
1,1-Dichloropropene	ND	0.025	mg/kg							
2-Butanone	ND	0.050	mg/kg							
Benzene	ND	0.025	mg/kg							
1,2-Dichloroethane	ND	0.025	mg/kg							
Trichloroethene	ND	0.025	mg/kg							
Dibromomethane	ND	0.025	mg/kg							
1,2-Dichloropropane	ND	0.025	mg/kg							
Bromodichloromethane	ND	0.025	mg/kg							
cis-1,3-Dichloropropene	ND	0.025	mg/kg							

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Analytical Results For:

ALTAMIRA - US 14229 PUNTA BONAIRE DR. CORPUS CHRISTI TX, 78418	Project: NOVO OVATION (OFFSITE) Project Number: NVONM2104 Project Manager: BRIAN HANEY Fax To:	Reported: 01-Mar-22 10:03
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VOLATILES BY GC/MS - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 2022808 - Volatiles

Blank (2022808-BLK1)

Prepared & Analyzed: 28-Feb-22

Toluene	ND	0.025	mg/kg							
4-Methyl-2-pentanone	ND	0.050	mg/kg							
Tetrachloroethene	ND	0.025	mg/kg							
trans-1,3-Dichloropropene	ND	0.025	mg/kg							
1,1,2-Trichloroethane	ND	0.025	mg/kg							
Dibromochloromethane	ND	0.025	mg/kg							
1,3-Dichloropropane	ND	0.025	mg/kg							
1,2-Dibromoethane	ND	0.025	mg/kg							
2-Hexanone	ND	0.050	mg/kg							
Chlorobenzene	ND	0.025	mg/kg							
Ethylbenzene	ND	0.025	mg/kg							
1,1,1,2-Tetrachloroethane	ND	0.025	mg/kg							
m+p - Xylene	ND	0.050	mg/kg							
Total Xylenes	ND	0.050	mg/kg							
o-Xylene	ND	0.025	mg/kg							
Bromoform	ND	0.025	mg/kg							
Styrene	ND	0.025	mg/kg							
Isopropylbenzene	ND	0.025	mg/kg							
Bromobenzene	ND	0.025	mg/kg							
n-Propylbenzene	ND	0.025	mg/kg							
1,1,2,2-Tetrachloroethane	ND	0.025	mg/kg							
2-Chlorotoluene	ND	0.025	mg/kg							
1,2,3-trichloropropane	ND	0.025	mg/kg							
1,3,5-Trimethylbenzene	ND	0.025	mg/kg							
trans-1,4-Dichloro-2-butene	ND	0.250	mg/kg							
4-Chlorotoluene	ND	0.025	mg/kg							
tert-Butylbenzene	ND	0.025	mg/kg							
1,2,4-Trimethylbenzene	ND	0.025	mg/kg							
sec-Butylbenzene	ND	0.025	mg/kg							
p-Isopropyltoluene	ND	0.025	mg/kg							
1,3-Dichlorobenzene	ND	0.025	mg/kg							
1,4 Dichlorobenzene	ND	0.025	mg/kg							

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Analytical Results For:

ALTAMIRA - US 14229 PUNTA BONAIRE DR. CORPUS CHRISTI TX, 78418	Project: NOVO OVATION (OFFSITE) Project Number: NVONM2104 Project Manager: BRIAN HANEY Fax To:	Reported: 01-Mar-22 10:03
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VOLATILES BY GC/MS - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 2022808 - Volatiles

Blank (2022808-BLK1)				Prepared & Analyzed: 28-Feb-22						
n-Butylbenzene	ND	0.025	mg/kg							
1,2-Dichlorobenzene	ND	0.025	mg/kg							
1,2-Dibromo-3-chloropropane	ND	0.250	mg/kg							
Hexachlorobutadiene	ND	0.025	mg/kg							
1,2,4-Trichlorobenzene	ND	0.025	mg/kg							
Naphthalene	ND	0.025	mg/kg							
1,2,3-Trichlorobenzene	ND	0.025	mg/kg							
1,4-Dioxane	ND	6.25	mg/kg							
Surrogate: Dibromofluoromethane	1.02		mg/kg	1.25		82.0	84.6-114			S-04
Surrogate: Toluene-d8	1.28		mg/kg	1.25		102	90.4-109			
Surrogate: 4-Bromofluorobenzene	1.24		mg/kg	1.25		99.0	82.5-117			

LCS (2022808-BS1)				Prepared & Analyzed: 28-Feb-22						
Dichlorodifluoromethane	0.416	0.025	mg/kg	0.500		83.2	4.03-173			
Chloromethane	0.602	0.025	mg/kg	0.500		120	52.6-147			
Vinyl chloride	0.557	0.025	mg/kg	0.500		111	57.3-152			
Bromomethane	0.574	0.025	mg/kg	0.500		115	16.8-174			
Chloroethane	0.492	0.250	mg/kg	0.500		98.4	14.2-203			
Trichlorofluoromethane	0.479	0.250	mg/kg	0.500		95.7	-18.7-214			
1,1-Dichloroethene	0.540	0.250	mg/kg	0.500		108	30.5-180			
Carbon disulfide	1.07	0.250	mg/kg	1.00		107	43.8-148			
Iodomethane	1.03	0.250	mg/kg	1.00		103	45.2-157			
Acrolein	5.18	0.250	mg/kg	5.00		104	-46.2-174			
Methylene chloride	0.680	0.500	mg/kg	0.500		136	31.5-204			
Acetone	1.35	0.250	mg/kg	1.00		135	14.7-198			
trans-1,2-Dichloroethene	0.609	0.025	mg/kg	0.500		122	56.4-152			
Methyl t-Butyl Ether	1.05	0.050	mg/kg	1.00		105	42.7-160			
1,1-Dichloroethane	0.495	0.025	mg/kg	0.500		99.1	79.2-128			
Acrylonitrile	1.06	0.050	mg/kg	1.00		106	64.8-130			
Vinyl acetate	0.474	0.025	mg/kg	0.500		94.8	62.2-134			
cis-1,2-Dichloroethene	0.508	0.025	mg/kg	0.500		102	78.9-127			
2,2-Dichloropropane	0.457	0.025	mg/kg	0.500		91.4	69.4-140			

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ALTAMIRA - US 14229 PUNTA BONAIRE DR. CORPUS CHRISTI TX, 78418	Project: NOVO OVATION (OFFSITE) Project Number: NVONM2104 Project Manager: BRIAN HANEY Fax To:	Reported: 01-Mar-22 10:03
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VOLATILES BY GC/MS - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 2022808 - Volatiles

LCS (2022808-BS1)

Prepared & Analyzed: 28-Feb-22

Bromochloromethane	0.476	0.025	mg/kg	0.500		95.2	69.4-131			
Chloroform	0.489	0.025	mg/kg	0.500		97.8	70.6-131			
Carbon tetrachloride	0.464	0.050	mg/kg	0.500		92.9	54.7-158			
1,1,1-Trichloroethane	0.497	0.025	mg/kg	0.500		99.3	70.2-141			
1,1-Dichloropropene	0.499	0.025	mg/kg	0.500		99.7	73.5-137			
2-Butanone	0.928	0.050	mg/kg	1.00		92.8	56-139			
Benzene	0.501	0.025	mg/kg	0.500		100	73-130			
1,2-Dichloroethane	0.479	0.025	mg/kg	0.500		95.9	63.5-141			
Trichloroethene	0.481	0.025	mg/kg	0.500		96.3	80.2-122			
Dibromomethane	0.462	0.025	mg/kg	0.500		92.4	68.6-130			
1,2-Dichloropropane	0.489	0.025	mg/kg	0.500		97.7	71.3-132			
Bromodichloromethane	0.472	0.025	mg/kg	0.500		94.5	70.7-131			
cis-1,3-Dichloropropene	0.498	0.025	mg/kg	0.500		99.7	84.9-119			
Toluene	0.492	0.025	mg/kg	0.500		98.4	79-122			
4-Methyl-2-pentanone	0.973	0.050	mg/kg	1.00		97.3	61.6-129			
Tetrachloroethene	0.500	0.025	mg/kg	0.500		100	55.7-160			
trans-1,3-Dichloropropene	0.523	0.025	mg/kg	0.500		105	79.4-121			
1,1,2-Trichloroethane	0.470	0.025	mg/kg	0.500		94.1	63.6-133			
Dibromochloromethane	0.488	0.025	mg/kg	0.500		97.7	73.9-125			
1,3-Dichloropropane	0.487	0.025	mg/kg	0.500		97.4	76.6-124			
1,2-Dibromoethane	0.478	0.025	mg/kg	0.500		95.6	77.1-119			
2-Hexanone	0.878	0.050	mg/kg	1.00		87.8	59.5-132			
Chlorobenzene	0.495	0.025	mg/kg	0.500		98.9	87.1-116			
Ethylbenzene	0.520	0.025	mg/kg	0.500		104	75.4-127			
1,1,1,2-Tetrachloroethane	0.483	0.025	mg/kg	0.500		96.6	79.8-123			
m+p - Xylene	1.04	0.050	mg/kg	1.00		104	71.8-133			
o-Xylene	0.522	0.025	mg/kg	0.500		104	78.6-125			
Total Xylenes	1.57	0.050	mg/kg	1.50		104	74.6-130			
Bromoform	0.494	0.025	mg/kg	0.500		98.9	58.6-143			
Styrene	0.510	0.025	mg/kg	0.500		102	85.7-121			
Isopropylbenzene	0.531	0.025	mg/kg	0.500		106	71.7-137			
Bromobenzene	0.482	0.025	mg/kg	0.500		96.4	84.8-114			

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ALTAMIRA - US
14229 PUNTA BONAIRE DR.
CORPUS CHRISTI TX, 78418

Project: NOVO OVATION (OFFSITE)
Project Number: NVONM2104
Project Manager: BRIAN HANEY
Fax To:

Reported:
01-Mar-22 10:03

VOLATILES BY GC/MS - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 2022808 - Volatiles**LCS (2022808-BS1)**

Prepared & Analyzed: 28-Feb-22

n-Propylbenzene	0.492	0.025	mg/kg	0.500		98.4	52.9-144			
1,1,2,2-Tetrachloroethane	0.456	0.025	mg/kg	0.500		91.2	63.2-124			
2-Chlorotoluene	0.476	0.025	mg/kg	0.500		95.3	74.8-126			
1,2,3-trichloropropane	0.525	0.025	mg/kg	0.500		105	53-140			
1,3,5-Trimethylbenzene	0.485	0.025	mg/kg	0.500		97.0	64.4-138			
trans-1,4-Dichloro-2-butene	0.718	0.250	mg/kg	1.00		71.8	-15.6-219			
4-Chlorotoluene	0.479	0.025	mg/kg	0.500		95.7	68.4-135			
tert-Butylbenzene	0.468	0.025	mg/kg	0.500		93.6	62.1-139			
1,2,4-Trimethylbenzene	0.504	0.025	mg/kg	0.500		101	62.4-140			
sec-Butylbenzene	0.484	0.025	mg/kg	0.500		96.7	61.9-148			
p-Isopropyltoluene	0.508	0.025	mg/kg	0.500		102	56.9-141			
1,3-Dichlorobenzene	0.466	0.025	mg/kg	0.500		93.2	74.7-123			
1,4 Dichlorobenzene	0.460	0.025	mg/kg	0.500		92.1	75.2-120			
n-Butylbenzene	0.464	0.025	mg/kg	0.500		92.9	41.1-164			
1,2-Dichlorobenzene	0.467	0.025	mg/kg	0.500		93.3	80.8-114			
1,2-Dibromo-3-chloropropane	0.488	0.250	mg/kg	0.500		97.5	51.1-134			
Hexachlorobutadiene	0.624	0.025	mg/kg	0.500		125	13.4-183			
1,2,4-Trichlorobenzene	0.555	0.025	mg/kg	0.500		111	39.7-150			
Naphthalene	0.530	0.025	mg/kg	0.500		106	28.7-158			
1,2,3-Trichlorobenzene	0.552	0.025	mg/kg	0.500		110	13.8-171			
1,4-Dioxane	10.6	6.25	mg/kg	10.0		106	47.3-105			BS-3
Surrogate: Dibromofluoromethane	1.24		mg/kg	1.25		99.5	84.6-114			
Surrogate: Toluene-d8	1.27		mg/kg	1.25		102	90.4-109			
Surrogate: 4-Bromofluorobenzene	1.28		mg/kg	1.25		102	82.5-117			

LCS Dup (2022808-BS1)

Prepared & Analyzed: 28-Feb-22

Dichlorodifluoromethane	0.333	0.025	mg/kg	0.500		66.6	4.03-173	22.1	41.1	
Chloromethane	0.491	0.025	mg/kg	0.500		98.3	52.6-147	20.2	22.8	
Vinyl chloride	0.438	0.025	mg/kg	0.500		87.6	57.3-152	23.9	27.7	
Bromomethane	0.441	0.025	mg/kg	0.500		88.2	16.8-174	26.1	23.5	QR-04
Chloroethane	0.399	0.250	mg/kg	0.500		79.8	14.2-203	21.0	27.5	
Trichlorofluoromethane	0.395	0.250	mg/kg	0.500		79.0	-18.7-214	19.1	61.9	

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* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ALTAMIRA - US 14229 PUNTA BONAIRE DR. CORPUS CHRISTI TX, 78418	Project: NOVO OVATION (OFFSITE) Project Number: NVONM2104 Project Manager: BRIAN HANEY Fax To:	Reported: 01-Mar-22 10:03
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VOLATILES BY GC/MS - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 2022808 - Volatiles

LCS Dup (2022808-BSD1)

Prepared & Analyzed: 28-Feb-22

1,1-Dichloroethene	0.468	0.250	mg/kg	0.500		93.5	30.5-180	14.3	26.1	
Carbon disulfide	0.910	0.250	mg/kg	1.00		91.0	43.8-148	16.5	25.9	
Iodomethane	0.881	0.250	mg/kg	1.00		88.1	45.2-157	15.2	19.7	
Acrolein	4.11	0.250	mg/kg	5.00		82.2	-46.2-174	23.0	25.5	
Methylene chloride	0.595	0.500	mg/kg	0.500		119	31.5-204	13.4	45.3	
Acetone	1.01	0.250	mg/kg	1.00		101	14.7-198	28.7	171	
trans-1,2-Dichloroethene	0.481	0.025	mg/kg	0.500		96.1	56.4-152	23.6	22.7	QR-04
Methyl t-Butyl Ether	0.892	0.050	mg/kg	1.00		89.2	42.7-160	16.1	31.5	
1,1-Dichloroethane	0.494	0.025	mg/kg	0.500		98.9	79.2-128	0.202	17.9	
Acrylonitrile	1.01	0.050	mg/kg	1.00		101	64.8-130	3.96	17	
Vinyl acetate	0.475	0.025	mg/kg	0.500		94.9	62.2-134	0.156	20.1	
cis-1,2-Dichloroethene	0.511	0.025	mg/kg	0.500		102	78.9-127	0.410	16.5	
2,2-Dichloropropane	0.466	0.025	mg/kg	0.500		93.2	69.4-140	1.97	20.4	
Bromochloromethane	0.488	0.025	mg/kg	0.500		97.6	69.4-131	2.49	19.5	
Chloroform	0.498	0.025	mg/kg	0.500		99.5	70.6-131	1.76	16.7	
Carbon tetrachloride	0.480	0.050	mg/kg	0.500		95.9	54.7-158	3.26	22.2	
1,1,1-Trichloroethane	0.500	0.025	mg/kg	0.500		99.9	70.2-141	0.624	22.1	
1,1-Dichloropropene	0.513	0.025	mg/kg	0.500		103	73.5-137	2.87	32.2	
2-Butanone	0.829	0.050	mg/kg	1.00		82.9	56-139	11.3	27.1	
Benzene	0.505	0.025	mg/kg	0.500		101	73-130	0.662	17.1	
1,2-Dichloroethane	0.469	0.025	mg/kg	0.500		93.9	63.5-141	2.13	16.4	
Trichloroethene	0.481	0.025	mg/kg	0.500		96.2	80.2-122	0.0291	19.9	
Dibromomethane	0.443	0.025	mg/kg	0.500		88.7	68.6-130	4.14	17.2	
1,2-Dichloropropane	0.494	0.025	mg/kg	0.500		98.8	71.3-132	1.15	14.6	
Bromodichloromethane	0.483	0.025	mg/kg	0.500		96.7	70.7-131	2.30	16.3	
cis-1,3-Dichloropropene	0.483	0.025	mg/kg	0.500		96.7	84.9-119	3.07	11.8	
Toluene	0.484	0.025	mg/kg	0.500		96.7	79-122	1.77	18.3	
4-Methyl-2-pentanone	0.960	0.050	mg/kg	1.00		96.0	61.6-129	1.37	18.1	
Tetrachloroethene	0.476	0.025	mg/kg	0.500		95.2	55.7-160	4.92	41.8	
trans-1,3-Dichloropropene	0.484	0.025	mg/kg	0.500		96.7	79.4-121	7.74	15.3	
1,1,2-Trichloroethane	0.472	0.025	mg/kg	0.500		94.3	63.6-133	0.259	32.9	
Dibromochloromethane	0.466	0.025	mg/kg	0.500		93.2	73.9-125	4.68	12.9	

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ALTAMIRA - US 14229 PUNTA BONAIRE DR. CORPUS CHRISTI TX, 78418	Project: NOVO OVATION (OFFSITE) Project Number: NVONM2104 Project Manager: BRIAN HANEY Fax To:	Reported: 01-Mar-22 10:03
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VOLATILES BY GC/MS - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 2022808 - Volatiles

LCS Dup (2022808-BSD1)

Prepared & Analyzed: 28-Feb-22

1,3-Dichloropropane	0.489	0.025	mg/kg	0.500		97.9	76.6-124	0.459	13.1	
1,2-Dibromoethane	0.484	0.025	mg/kg	0.500		96.7	77.1-119	1.12	13.7	
2-Hexanone	0.876	0.050	mg/kg	1.00		87.6	59.5-132	0.201	22.2	
Chlorobenzene	0.505	0.025	mg/kg	0.500		101	87.1-116	2.14	11.3	
Ethylbenzene	0.514	0.025	mg/kg	0.500		103	75.4-127	1.16	16.5	
1,1,1,2-Tetrachloroethane	0.483	0.025	mg/kg	0.500		96.5	79.8-123	0.0663	10.8	
m+p - Xylene	1.03	0.050	mg/kg	1.00		103	71.8-133	1.06	19.1	
o-Xylene	0.520	0.025	mg/kg	0.500		104	78.6-125	0.413	13.2	
Total Xylenes	1.55	0.050	mg/kg	1.50		103	74.6-130	0.846	16.5	
Bromoform	0.471	0.025	mg/kg	0.500		94.1	58.6-143	4.94	12.9	
Styrene	0.505	0.025	mg/kg	0.500		101	85.7-121	0.952	11.5	
Isopropylbenzene	0.532	0.025	mg/kg	0.500		106	71.7-137	0.186	25.2	
Bromobenzene	0.476	0.025	mg/kg	0.500		95.2	84.8-114	1.27	14.6	
n-Propylbenzene	0.491	0.025	mg/kg	0.500		98.2	52.9-144	0.193	57.4	
1,1,2,2-Tetrachloroethane	0.452	0.025	mg/kg	0.500		90.5	63.2-124	0.795	14.4	
2-Chlorotoluene	0.486	0.025	mg/kg	0.500		97.2	74.8-126	2.03	26	
1,2,3-trichloropropane	0.501	0.025	mg/kg	0.500		100	53-140	4.60	30.1	
1,3,5-Trimethylbenzene	0.504	0.025	mg/kg	0.500		101	64.4-138	3.80	39.1	
trans-1,4-Dichloro-2-butene	0.689	0.250	mg/kg	1.00		68.9	-15.6-219	4.10	162	
4-Chlorotoluene	0.491	0.025	mg/kg	0.500		98.3	68.4-135	2.63	29.2	
tert-Butylbenzene	0.537	0.025	mg/kg	0.500		107	62.1-139	13.9	30.4	
1,2,4-Trimethylbenzene	0.507	0.025	mg/kg	0.500		101	62.4-140	0.666	38.2	
sec-Butylbenzene	0.502	0.025	mg/kg	0.500		100	61.9-148	3.78	60.1	
p-Isopropyltoluene	0.513	0.025	mg/kg	0.500		103	56.9-141	0.964	67.5	
1,3-Dichlorobenzene	0.464	0.025	mg/kg	0.500		92.9	74.7-123	0.378	28.6	
1,4 Dichlorobenzene	0.471	0.025	mg/kg	0.500		94.2	75.2-120	2.29	28.8	
n-Butylbenzene	0.468	0.025	mg/kg	0.500		93.5	41.1-164	0.710	91.5	
1,2-Dichlorobenzene	0.481	0.025	mg/kg	0.500		96.1	80.8-114	2.97	15.8	
1,2-Dibromo-3-chloropropane	0.434	0.250	mg/kg	0.500		86.8	51.1-134	11.6	29.5	
Hexachlorobutadiene	0.521	0.025	mg/kg	0.500		104	13.4-183	18.1	105	
1,2,4-Trichlorobenzene	0.474	0.025	mg/kg	0.500		94.8	39.7-150	15.7	65.9	
Naphthalene	0.431	0.025	mg/kg	0.500		86.2	28.7-158	20.7	64	

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ALTAMIRA - US 14229 PUNTA BONAIRE DR. CORPUS CHRISTI TX, 78418	Project: NOVO OVATION (OFFSITE) Project Number: NVONM2104 Project Manager: BRIAN HANEY Fax To:	Reported: 01-Mar-22 10:03
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VOLATILES BY GC/MS - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 2022808 - Volatiles

LCS Dup (2022808-BSD1)

Prepared & Analyzed: 28-Feb-22

1,2,3-Trichlorobenzene	0.460	0.025	mg/kg	0.500		92.0	13.8-171	18.2	65.2	
1,4-Dioxane	9.96	6.25	mg/kg	10.0		99.6	47.3-105	6.33	72.3	
Surrogate: Dibromofluoromethane	1.24		mg/kg	1.25		99.4	84.6-114			
Surrogate: Toluene-d8	1.23		mg/kg	1.25		98.5	90.4-109			
Surrogate: 4-Bromofluorobenzene	1.29		mg/kg	1.25		103	82.5-117			

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Notes and Definitions

- S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
- QR-04 The RPD for the BS/BSD was outside of historical limits.
- BS-3 Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.
- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- ** Samples not received at proper temperature of 6°C or below.
- *** Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: ALTMIRA-US		P.O. #: -	
Project Manager: BRYAN HANEY		Company: ALTMIRA-US	
Address: 14229 PUNTA BONAVE DR.		Attn: BRYAN HANEY	
City: CARRUS CHELSE		Address: 14229 PUNTA BONAVE	
Phone #: 361-658-3126		City: CARRUS CHELSE	
Project #: NW00M2104		State: NM zip: 78418	
Project Name: NOVO DUMON (OFFITE)		Phone #: 361-658-3126	
Project Location: LOUNIE, NM		Fax #: -	
Sampler Name: BH/06,		PRESERV: -	

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						DATE	TIME	ANALYSIS REQUEST
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :			
A220759	G-1 (0-0.5')	C	1	X					2/21/22	1559	CHLORIDES (300.0 OR EQUIVALENT)	
	G-2 (0-0.5')	C	1	X				2/21/22	1614	TPH (3015 P / 8015 M) 60/DR0/MRO		
	G-3 (0-0.5')	C	1	X				2/21/22	1613	VOCs (8260)		
	G-4 (0-0.5')	C	1	X				2/21/22	1608			
	G-5 (0-0.5')	C	1	X				2/21/22	1623			
	G-6 (0-0.5')	C	1	X				2/21/22	1617			
	G-7 (0-0.5')	C	1	X				2/21/22	1627			
	G-8 (0-0.5')	C	1	X				2/21/22	1633			

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Relinquished By: **Bm mm** Date: **10/23/22** Time: **1000**

Received By: **[Signature]** Date: **2/21/22** Time: **1633**

Delivered By: (Circle One) **UPS** Observed Temp. °C: **3.4** Sample Condition: Intact Cool Yes No

Corrected Temp. °C: **2.9** CHECKED BY: **[Signature]** (Initials) **AD**

Thermometer ID #113 Correction Factor -0.5°C

Remarks: **24-Hour TPT - SMML REVIEWS TO BRYAN**

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



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

March 01, 2022

BRIAN HANEY

ALTAMIRA - US

14229 PUNTA BONAIRE DR.

CORPUS CHRISTI, TX 78418

RE: NOVO OVATION (OFFSITE)

Enclosed are the results of analyses for samples received by the laboratory on 02/28/22 10:00.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

ALTAMIRA - US
 BRIAN HANEY
 14229 PUNTA BONAIRE DR.
 CORPUS CHRISTI TX, 78418
 Fax To:

Received:	02/28/2022	Sampling Date:	02/27/2022
Reported:	03/01/2022	Sampling Type:	Soil
Project Name:	NOVO OVATION (OFFSITE)	Sampling Condition:	Cool & Intact
Project Number:	NVONM2104	Sample Received By:	Tamara Oldaker
Project Location:	LOVING NM		

Sample ID: BG - 1 (0-1') (H220760-01)

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	03/01/2022	ND	432	108	400	0.00		

Sample ID: BG - 1 (1-2') (H220760-02)

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	03/01/2022	ND	432	108	400	0.00		

Sample ID: BG - 2 (0-1') (H220760-03)

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	03/01/2022	ND	432	108	400	0.00		

Sample ID: BG - 2 (1-2') (H220760-04)

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	03/01/2022	ND	432	108	400	0.00		

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Notes and Definitions

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

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Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

BILL TO ANALYSIS REQUEST

Company Name: **ALTA MIRA-US**
 Project Manager: **BRYAN HANEY**
 Address: **14229 RUNTA BOWMAN DR.**
 City: **CORRUS CHEST** State: **TX** Zip: **78418**
 Phone #: **361-658-3126** Fax #: **-**
 Project #: **NV0NM 2104** Project Owner: **BRYAN HANEY**
 Project Name: **NOVO OVARON (DTS SITE)**
 Project Location: **LOYINK, NM**
 Sampler Name: **BA109**
 P.O. #: **-**
 Company: **ALTA MIRA-US**
 Attn: **BRYAN HANEY**
 Address: **14229 RUNTA BOWMAN**
 City: **CORRUS CHEST**
 State: **TX** Zip: **78418**
 Phone #: **361-658-3124**
 Fax #: **-**

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						DATE	TIME	SAMPLING	
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :				
H2220760	B6-1 (0-1')	H 1	1			X				2/27/22	1704	X	CHLORIDES
	B6-1 (1-2')	H 1	1			X				2/27/22	1711	X	
	B6-2 (0-1')	G 1	1			X				2/27/22	1648	X	
	B6-2 (1-2')	G 1	1			X				2/27/22	1653	X	

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Relinquished By: **Bm1m**
 Date: **2/28/22**
 Time: **1000**
 Received By: **[Signature]**
 Date: **[Signature]**
 Time: **[Signature]**

Verbal Result: Yes No Add'l Phone #:
 All Results are emailed. Please provide Email address:
BRYAN.HANEY@ALTA MIRA-US.COM
 REMARKS:
24 HOUR TAT - EMAIL RESULTS TO BRYAN

Delivered By: (Circle One) **3.4**
 Observed Temp. °C **3.4**
 Corrected Temp. °C **2.9**
 Sample Condition: Cool Intact Yes No
 Checked By: (Initials) **YD**
 Turnaround Time: **Standard** **Rush**
 Thermometer ID #113
 Correction Factor -0.5°C
 Bacteria (only) Sample Condition: Cool Intact Yes No
 Corrected Temp. °C

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



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

March 10, 2022

BRYAN HANEY

ALTAMIRA - US

14229 PUNTA BONAIRE DR.

CORPUS CHRISTI, TX 78418

RE: NOVO OVATION (OFFSITE)

Enclosed are the results of analyses for samples received by the laboratory on 03/01/22 18:21.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/ga/lab_accred_certif.html.

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

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

Cardinal Laboratories is accredited through the State of New Mexico Environment Department for:

Method SM 9223-B	Total Coliform and E. coli (Colilert MMO-MUG)
Method EPA 524.2	Regulated VOCs and Total Trihalomethanes (TTHM)
Method EPA 552.2	Total Haloacetic Acids (HAA-5)

Accreditation applies to public drinking water matrices for State of Colorado and New Mexico.

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

ALTAMIRA - US 14229 PUNTA BONAIRE DR. CORPUS CHRISTI TX, 78418	Project: NOVO OVATION (OFFSITE) Project Number: NVONM2104 Project Manager: BRYAN HANEY Fax To:	Reported: 10-Mar-22 14:47
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Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
G- 10 (1-1.5')	H220798-01	Soil	01-Mar-22 14:00	01-Mar-22 18:21
G- 9 (1-1.5')	H220798-02	Soil	01-Mar-22 14:04	01-Mar-22 18:21
G- 12 (1-1.5')	H220798-03	Soil	01-Mar-22 14:10	01-Mar-22 18:21
G- 14 (1-1.5')	H220798-04	Soil	01-Mar-22 14:16	01-Mar-22 18:21
G- 11 (2-2.5')	H220798-05	Soil	01-Mar-22 14:27	01-Mar-22 18:21
G- 13 (2-2.5')	H220798-06	Soil	01-Mar-22 14:49	01-Mar-22 18:21

03/10/22 - Client changed the sample IDs on the workorder. This is the revised report and will replace the one sent on 03/02/22.

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ALTAMIRA - US
14229 PUNTA BONAIRE DR.
CORPUS CHRISTI TX, 78418

Project: NOVO OVATION (OFFSITE)
Project Number: NVONM2104
Project Manager: BRYAN HANEY
Fax To:

Reported:
10-Mar-22 14:47

G- 10 (1-1.5')
H220798-01 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	96.0		16.0	mg/kg	4	2030207	GM	02-Mar-22	4500-Cl-B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	2030208	MS	02-Mar-22	8015B	
DRO >C10-C28*	18.7		10.0	mg/kg	1	2030208	MS	02-Mar-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2030208	MS	02-Mar-22	8015B	
Surrogate: 1-Chlorooctane			112 %	66.9-136		2030208	MS	02-Mar-22	8015B	
Surrogate: 1-Chlorooctadecane			123 %	59.5-142		2030208	MS	02-Mar-22	8015B	

VOLATILES BY GC/MS

Dichlorodifluoromethane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Chloromethane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Vinyl chloride*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Bromomethane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Chloroethane*	<0.250		0.250	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Trichlorofluoromethane*	<0.250		0.250	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Carbon disulfide*	<0.250		0.250	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,1-Dichloroethene*	<0.250		0.250	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Iodomethane	<0.250		0.250	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Acrolein*	<0.250		0.250	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Methylene chloride*	<0.500		0.500	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Acetone*	<0.250		0.250	mg/kg	50	2030203	MS	02-Mar-22	8260B	
trans-1,2-Dichloroethene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Methyl t-Butyl Ether*	<0.050		0.050	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,1-Dichloroethane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Acrylonitrile*	<0.050		0.050	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Vinyl acetate*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
cis-1,2-Dichloroethene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
2,2-Dichloropropane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	

Cardinal Laboratories

* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ALTAMIRA - US
14229 PUNTA BONAIRE DR.
CORPUS CHRISTI TX, 78418

Project: NOVO OVATION (OFFSITE)
Project Number: NVONM2104
Project Manager: BRYAN HANEY
Fax To:

Reported:
10-Mar-22 14:47

G- 10 (1-1.5')**H220798-01 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**VOLATILES BY GC/MS**

Bromochloromethane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Chloroform*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Carbon tetrachloride*	<0.050		0.050	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,1,1-Trichloroethane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,1-Dichloropropene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
2-Butanone*	<0.050		0.050	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Benzene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,2-Dichloroethane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Trichloroethene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Dibromomethane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,2-Dichloropropane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Bromodichloromethane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
cis-1,3-Dichloropropene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Toluene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
4-Methyl-2-pentanone*	<0.050		0.050	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Tetrachloroethene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
trans-1,3-Dichloropropene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,1,2-Trichloroethane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Dibromochloromethane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,3-Dichloropropane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,2-Dibromoethane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
2-Hexanone*	<0.050		0.050	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Chlorobenzene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Ethylbenzene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,1,1,2-Tetrachloroethane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
m+p - Xylene*	<0.050		0.050	mg/kg	50	2030203	MS	02-Mar-22	8260B	
o-Xylene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Total Xylenes*	<0.050		0.050	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Bromoform*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ALTAMIRA - US
14229 PUNTA BONAIRE DR.
CORPUS CHRISTI TX, 78418

Project: NOVO OVATION (OFFSITE)
Project Number: NVONM2104
Project Manager: BRYAN HANEY
Fax To:

Reported:
10-Mar-22 14:47

G- 10 (1-1.5')**H220798-01 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**VOLATILES BY GC/MS**

Styrene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Isopropylbenzene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Bromobenzene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
n-Propylbenzene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,1,2,2-Tetrachloroethane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
2-Chlorotoluene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,2,3-trichloropropane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,3,5-Trimethylbenzene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
trans-1,4-Dichloro-2-butene	<0.250		0.250	mg/kg	50	2030203	MS	02-Mar-22	8260B	
4-Chlorotoluene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
tert-Butylbenzene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,2,4-Trimethylbenzene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
sec-Butylbenzene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
p-Isopropyltoluene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,3-Dichlorobenzene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,4 Dichlorobenzene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
n-Butylbenzene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,2-Dichlorobenzene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,2-Dibromo-3-chloropropane*	<0.250		0.250	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Hexachlorobutadiene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,2,4-Trichlorobenzene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Naphthalene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,2,3-Trichlorobenzene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,4-Dioxane	<6.25		6.25	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Surrogate: Dibromofluoromethane			93.5 %	84.6-114		2030203	MS	02-Mar-22	8260B	
Surrogate: Toluene-d8			111 %	90.4-109		2030203	MS	02-Mar-22	8260B	S-04
Surrogate: 4-Bromofluorobenzene			95.2 %	82.5-117		2030203	MS	02-Mar-22	8260B	

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* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ALTAMIRA - US 14229 PUNTA BONAIRE DR. CORPUS CHRISTI TX, 78418	Project: NOVO OVATION (OFFSITE) Project Number: NVONM2104 Project Manager: BRYAN HANEY Fax To:	Reported: 10-Mar-22 14:47
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G-9 (1-1.5')

H220798-02 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Chloride	128		16.0	mg/kg	4	2030207	GM	02-Mar-22	4500-CI-B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	2030208	MS	02-Mar-22	8015B	
DRO >C10-C28*	19.0		10.0	mg/kg	1	2030208	MS	02-Mar-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2030208	MS	02-Mar-22	8015B	
Surrogate: 1-Chlorooctane			98.3 %	66.9-136		2030208	MS	02-Mar-22	8015B	
Surrogate: 1-Chlorooctadecane			108 %	59.5-142		2030208	MS	02-Mar-22	8015B	

VOLATILES BY GC/MS

Dichlorodifluoromethane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Chloromethane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Vinyl chloride*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Bromomethane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Chloroethane*	<0.250		0.250	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Trichlorofluoromethane*	<0.250		0.250	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,1-Dichloroethene*	<0.250		0.250	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Carbon disulfide*	<0.250		0.250	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Iodomethane	<0.250		0.250	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Acrolein*	<0.250		0.250	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Methylene chloride*	<0.500		0.500	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Acetone*	<0.250		0.250	mg/kg	50	2030203	MS	02-Mar-22	8260B	
trans-1,2-Dichloroethene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Methyl t-Butyl Ether*	<0.050		0.050	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,1-Dichloroethane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Acrylonitrile*	<0.050		0.050	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Vinyl acetate*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
cis-1,2-Dichloroethene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
2,2-Dichloropropane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ALTAMIRA - US
14229 PUNTA BONAIRE DR.
CORPUS CHRISTI TX, 78418

Project: NOVO OVATION (OFFSITE)
Project Number: NVONM2104
Project Manager: BRYAN HANEY
Fax To:

Reported:
10-Mar-22 14:47

G-9 (1-1.5')**H220798-02 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**VOLATILES BY GC/MS**

Bromochloromethane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Chloroform*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Carbon tetrachloride*	<0.050		0.050	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,1,1-Trichloroethane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,1-Dichloropropene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
2-Butanone*	<0.050		0.050	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Benzene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,2-Dichloroethane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Trichloroethene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Dibromomethane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,2-Dichloropropane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Bromodichloromethane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
cis-1,3-Dichloropropene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Toluene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
4-Methyl-2-pentanone*	<0.050		0.050	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Tetrachloroethene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
trans-1,3-Dichloropropene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,1,2-Trichloroethane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Dibromochloromethane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,3-Dichloropropane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,2-Dibromoethane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
2-Hexanone*	<0.050		0.050	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Chlorobenzene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Ethylbenzene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,1,1,2-Tetrachloroethane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
m+p - Xylene*	<0.050		0.050	mg/kg	50	2030203	MS	02-Mar-22	8260B	
o-Xylene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Total Xylenes*	<0.050		0.050	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Bromoform*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	

Cardinal Laboratories

* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ALTAMIRA - US
14229 PUNTA BONAIRE DR.
CORPUS CHRISTI TX, 78418

Project: NOVO OVATION (OFFSITE)
Project Number: NVONM2104
Project Manager: BRYAN HANEY
Fax To:

Reported:
10-Mar-22 14:47

G-9 (1-1.5')**H220798-02 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**VOLATILES BY GC/MS**

Styrene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Isopropylbenzene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Bromobenzene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
n-Propylbenzene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,1,2,2-Tetrachloroethane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
2-Chlorotoluene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,2,3-trichloropropane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,3,5-Trimethylbenzene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
trans-1,4-Dichloro-2-butene	<0.250		0.250	mg/kg	50	2030203	MS	02-Mar-22	8260B	
4-Chlorotoluene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
tert-Butylbenzene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,2,4-Trimethylbenzene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
sec-Butylbenzene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
p-Isopropyltoluene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,3-Dichlorobenzene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,4 Dichlorobenzene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
n-Butylbenzene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,2-Dichlorobenzene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,2-Dibromo-3-chloropropane*	<0.250		0.250	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Hexachlorobutadiene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,2,4-Trichlorobenzene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Naphthalene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,2,3-Trichlorobenzene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,4-Dioxane	<6.25		6.25	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Surrogate: Dibromofluoromethane			97.6 %	84.6-114		2030203	MS	02-Mar-22	8260B	
Surrogate: Toluene-d8			102 %	90.4-109		2030203	MS	02-Mar-22	8260B	
Surrogate: 4-Bromofluorobenzene			95.9 %	82.5-117		2030203	MS	02-Mar-22	8260B	

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* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ALTAMIRA - US 14229 PUNTA BONAIRE DR. CORPUS CHRISTI TX, 78418	Project: NOVO OVATION (OFFSITE) Project Number: NVONM2104 Project Manager: BRYAN HANEY Fax To:	Reported: 10-Mar-22 14:47
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G- 12 (1-1.5')

H220798-03 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Chloride	32.0		16.0	mg/kg	4	2030207	GM	02-Mar-22	4500-Cl-B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	2030208	MS	02-Mar-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2030208	MS	02-Mar-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2030208	MS	02-Mar-22	8015B	
Surrogate: 1-Chlorooctane			107 %	66.9-136		2030208	MS	02-Mar-22	8015B	
Surrogate: 1-Chlorooctadecane			116 %	59.5-142		2030208	MS	02-Mar-22	8015B	

VOLATILES BY GC/MS

Dichlorodifluoromethane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Chloromethane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Vinyl chloride*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Bromomethane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Chloroethane*	<0.250		0.250	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Trichlorofluoromethane*	<0.250		0.250	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Carbon disulfide*	<0.250		0.250	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,1-Dichloroethene*	<0.250		0.250	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Iodomethane	<0.250		0.250	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Acrolein*	<0.250		0.250	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Methylene chloride*	<0.500		0.500	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Acetone*	<0.250		0.250	mg/kg	50	2030203	MS	02-Mar-22	8260B	
trans-1,2-Dichloroethene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Methyl t-Butyl Ether*	<0.050		0.050	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,1-Dichloroethane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Acrylonitrile*	<0.050		0.050	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Vinyl acetate*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
cis-1,2-Dichloroethene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
2,2-Dichloropropane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ALTAMIRA - US 14229 PUNTA BONAIRE DR. CORPUS CHRISTI TX, 78418	Project: NOVO OVATION (OFFSITE) Project Number: NVONM2104 Project Manager: BRYAN HANEY Fax To:	Reported: 10-Mar-22 14:47
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G- 12 (1-1.5')

H220798-03 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

VOLATILES BY GC/MS

Bromochloromethane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Chloroform*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Carbon tetrachloride*	<0.050		0.050	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,1,1-Trichloroethane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,1-Dichloropropene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
2-Butanone*	<0.050		0.050	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Benzene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,2-Dichloroethane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Trichloroethene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Dibromomethane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,2-Dichloropropane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Bromodichloromethane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
cis-1,3-Dichloropropene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Toluene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
4-Methyl-2-pentanone*	<0.050		0.050	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Tetrachloroethene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
trans-1,3-Dichloropropene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,1,2-Trichloroethane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Dibromochloromethane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,3-Dichloropropane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,2-Dibromoethane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
2-Hexanone*	<0.050		0.050	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Chlorobenzene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Ethylbenzene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,1,1,2-Tetrachloroethane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
m+p - Xylene*	<0.050		0.050	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Total Xylenes*	<0.050		0.050	mg/kg	50	2030203	MS	02-Mar-22	8260B	
o-Xylene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Bromoform*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ALTAMIRA - US
14229 PUNTA BONAIRE DR.
CORPUS CHRISTI TX, 78418

Project: NOVO OVATION (OFFSITE)
Project Number: NVONM2104
Project Manager: BRYAN HANEY
Fax To:

Reported:
10-Mar-22 14:47

G- 12 (1-1.5')**H220798-03 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**VOLATILES BY GC/MS**

Styrene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Isopropylbenzene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Bromobenzene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
n-Propylbenzene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,1,2,2-Tetrachloroethane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
2-Chlorotoluene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,2,3-trichloropropane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,3,5-Trimethylbenzene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
trans-1,4-Dichloro-2-butene	<0.250		0.250	mg/kg	50	2030203	MS	02-Mar-22	8260B	
4-Chlorotoluene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
tert-Butylbenzene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,2,4-Trimethylbenzene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
sec-Butylbenzene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
p-Isopropyltoluene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,3-Dichlorobenzene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,4 Dichlorobenzene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
n-Butylbenzene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,2-Dichlorobenzene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,2-Dibromo-3-chloropropane*	<0.250		0.250	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Hexachlorobutadiene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,2,4-Trichlorobenzene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Naphthalene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,2,3-Trichlorobenzene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,4-Dioxane	<6.25		6.25	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Surrogate: Dibromofluoromethane			98.5 %	84.6-114		2030203	MS	02-Mar-22	8260B	
Surrogate: Toluene-d8			101 %	90.4-109		2030203	MS	02-Mar-22	8260B	
Surrogate: 4-Bromofluorobenzene			97.2 %	82.5-117		2030203	MS	02-Mar-22	8260B	

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* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ALTAMIRA - US 14229 PUNTA BONAIRE DR. CORPUS CHRISTI TX, 78418	Project: NOVO OVATION (OFFSITE) Project Number: NVONM2104 Project Manager: BRYAN HANEY Fax To:	Reported: 10-Mar-22 14:47
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G- 14 (1-1.5')

H220798-04 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Chloride	80.0		16.0	mg/kg	4	2030207	GM	02-Mar-22	4500-CI-B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	2030208	MS	02-Mar-22	8015B	
DRO >C10-C28*	12.2		10.0	mg/kg	1	2030208	MS	02-Mar-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2030208	MS	02-Mar-22	8015B	

Surrogate: 1-Chlorooctane			107 %	66.9-136		2030208	MS	02-Mar-22	8015B	
Surrogate: 1-Chlorooctadecane			114 %	59.5-142		2030208	MS	02-Mar-22	8015B	

VOLATILES BY GC/MS

Dichlorodifluoromethane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Chloromethane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Vinyl chloride*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Bromomethane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Chloroethane*	<0.250		0.250	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Trichlorofluoromethane*	<0.250		0.250	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Carbon disulfide*	<0.250		0.250	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,1-Dichloroethene*	<0.250		0.250	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Iodomethane	<0.250		0.250	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Acrolein*	<0.250		0.250	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Methylene chloride*	<0.500		0.500	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Acetone*	<0.250		0.250	mg/kg	50	2030203	MS	02-Mar-22	8260B	
trans-1,2-Dichloroethene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Methyl t-Butyl Ether*	<0.050		0.050	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,1-Dichloroethane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Acrylonitrile*	<0.050		0.050	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Vinyl acetate*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
cis-1,2-Dichloroethene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
2,2-Dichloropropane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ALTAMIRA - US
14229 PUNTA BONAIRE DR.
CORPUS CHRISTI TX, 78418

Project: NOVO OVATION (OFFSITE)
Project Number: NVONM2104
Project Manager: BRYAN HANEY
Fax To:

Reported:
10-Mar-22 14:47

G- 14 (1-1.5')**H220798-04 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**VOLATILES BY GC/MS**

Bromochloromethane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Chloroform*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Carbon tetrachloride*	<0.050		0.050	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,1,1-Trichloroethane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,1-Dichloropropene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
2-Butanone*	<0.050		0.050	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Benzene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,2-Dichloroethane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Trichloroethene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Dibromomethane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,2-Dichloropropane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Bromodichloromethane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
cis-1,3-Dichloropropene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Toluene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
4-Methyl-2-pentanone*	<0.050		0.050	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Tetrachloroethene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
trans-1,3-Dichloropropene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,1,2-Trichloroethane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Dibromochloromethane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,3-Dichloropropane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,2-Dibromoethane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
2-Hexanone*	<0.050		0.050	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Chlorobenzene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Ethylbenzene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,1,1,2-Tetrachloroethane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
m+p - Xylene*	<0.050		0.050	mg/kg	50	2030203	MS	02-Mar-22	8260B	
o-Xylene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Total Xylenes*	<0.050		0.050	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Bromoform*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	

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* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ALTAMIRA - US
14229 PUNTA BONAIRE DR.
CORPUS CHRISTI TX, 78418

Project: NOVO OVATION (OFFSITE)
Project Number: NVONM2104
Project Manager: BRYAN HANEY
Fax To:

Reported:
10-Mar-22 14:47

G- 14 (1-1.5')**H220798-04 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**VOLATILES BY GC/MS**

Styrene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Isopropylbenzene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Bromobenzene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
n-Propylbenzene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,1,2,2-Tetrachloroethane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
2-Chlorotoluene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,2,3-trichloropropane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,3,5-Trimethylbenzene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
trans-1,4-Dichloro-2-butene	<0.250		0.250	mg/kg	50	2030203	MS	02-Mar-22	8260B	
4-Chlorotoluene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
tert-Butylbenzene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,2,4-Trimethylbenzene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
sec-Butylbenzene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
p-Isopropyltoluene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,3-Dichlorobenzene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,4 Dichlorobenzene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
n-Butylbenzene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,2-Dichlorobenzene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,2-Dibromo-3-chloropropane*	<0.250		0.250	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Hexachlorobutadiene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,2,4-Trichlorobenzene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Naphthalene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,2,3-Trichlorobenzene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,4-Dioxane	<6.25		6.25	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Surrogate: Dibromofluoromethane			100 %	84.6-114		2030203	MS	02-Mar-22	8260B	
Surrogate: Toluene-d8			102 %	90.4-109		2030203	MS	02-Mar-22	8260B	
Surrogate: 4-Bromofluorobenzene			95.0 %	82.5-117		2030203	MS	02-Mar-22	8260B	

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ALTAMIRA - US 14229 PUNTA BONAIRE DR. CORPUS CHRISTI TX, 78418	Project: NOVO OVATION (OFFSITE) Project Number: NVONM2104 Project Manager: BRYAN HANEY Fax To:	Reported: 10-Mar-22 14:47
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G- 11 (2-2.5')

H220798-05 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Chloride	304		16.0	mg/kg	4	2030207	GM	02-Mar-22	4500-Cl-B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	2030208	MS	02-Mar-22	8015B	
DRO >C10-C28*	37.3		10.0	mg/kg	1	2030208	MS	02-Mar-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2030208	MS	02-Mar-22	8015B	

Surrogate: 1-Chlorooctane			109 %	66.9-136		2030208	MS	02-Mar-22	8015B	
Surrogate: 1-Chlorooctadecane			120 %	59.5-142		2030208	MS	02-Mar-22	8015B	

VOLATILES BY GC/MS

Dichlorodifluoromethane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Chloromethane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Vinyl chloride*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Bromomethane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Chloroethane*	<0.250		0.250	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Trichlorofluoromethane*	<0.250		0.250	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,1-Dichloroethene*	<0.250		0.250	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Carbon disulfide*	<0.250		0.250	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Iodomethane	<0.250		0.250	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Acrolein*	<0.250		0.250	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Methylene chloride*	<0.500		0.500	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Acetone*	<0.250		0.250	mg/kg	50	2030203	MS	02-Mar-22	8260B	
trans-1,2-Dichloroethene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Methyl t-Butyl Ether*	<0.050		0.050	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,1-Dichloroethane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Acrylonitrile*	<0.050		0.050	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Vinyl acetate*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
cis-1,2-Dichloroethene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
2,2-Dichloropropane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ALTAMIRA - US
14229 PUNTA BONAIRE DR.
CORPUS CHRISTI TX, 78418

Project: NOVO OVATION (OFFSITE)
Project Number: NVONM2104
Project Manager: BRYAN HANEY
Fax To:

Reported:
10-Mar-22 14:47

G- 11 (2-2.5')**H220798-05 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**VOLATILES BY GC/MS**

Bromochloromethane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Chloroform*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Carbon tetrachloride*	<0.050		0.050	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,1,1-Trichloroethane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,1-Dichloropropene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
2-Butanone*	<0.050		0.050	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Benzene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,2-Dichloroethane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Trichloroethene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Dibromomethane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,2-Dichloropropane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Bromodichloromethane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
cis-1,3-Dichloropropene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Toluene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
4-Methyl-2-pentanone*	<0.050		0.050	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Tetrachloroethene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
trans-1,3-Dichloropropene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,1,2-Trichloroethane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Dibromochloromethane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,3-Dichloropropane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,2-Dibromoethane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
2-Hexanone*	<0.050		0.050	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Chlorobenzene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Ethylbenzene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,1,1,2-Tetrachloroethane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
m+p - Xylene*	<0.050		0.050	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Total Xylenes*	<0.050		0.050	mg/kg	50	2030203	MS	02-Mar-22	8260B	
o-Xylene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Bromoform*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	

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* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ALTAMIRA - US
14229 PUNTA BONAIRE DR.
CORPUS CHRISTI TX, 78418

Project: NOVO OVATION (OFFSITE)
Project Number: NVONM2104
Project Manager: BRYAN HANEY
Fax To:

Reported:
10-Mar-22 14:47

G- 11 (2-2.5')**H220798-05 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**VOLATILES BY GC/MS**

Styrene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Isopropylbenzene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Bromobenzene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
n-Propylbenzene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,1,2,2-Tetrachloroethane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
2-Chlorotoluene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,2,3-trichloropropane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,3,5-Trimethylbenzene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
trans-1,4-Dichloro-2-butene	<0.250		0.250	mg/kg	50	2030203	MS	02-Mar-22	8260B	
4-Chlorotoluene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
tert-Butylbenzene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,2,4-Trimethylbenzene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
sec-Butylbenzene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
p-Isopropyltoluene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,3-Dichlorobenzene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,4 Dichlorobenzene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
n-Butylbenzene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,2-Dichlorobenzene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,2-Dibromo-3-chloropropane*	<0.250		0.250	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Hexachlorobutadiene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,2,4-Trichlorobenzene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Naphthalene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,2,3-Trichlorobenzene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,4-Dioxane	<6.25		6.25	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Surrogate: Dibromofluoromethane			97.3 %	84.6-114		2030203	MS	02-Mar-22	8260B	
Surrogate: Toluene-d8			99.6 %	90.4-109		2030203	MS	02-Mar-22	8260B	
Surrogate: 4-Bromofluorobenzene			94.1 %	82.5-117		2030203	MS	02-Mar-22	8260B	

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ALTAMIRA - US 14229 PUNTA BONAIRE DR. CORPUS CHRISTI TX, 78418	Project: NOVO OVATION (OFFSITE) Project Number: NVONM2104 Project Manager: BRYAN HANEY Fax To:	Reported: 10-Mar-22 14:47
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G- 13 (2-2.5')

H220798-06 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Chloride	48.0		16.0	mg/kg	4	2030207	GM	02-Mar-22	4500-Cl-B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	2030208	MS	02-Mar-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2030208	MS	02-Mar-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2030208	MS	02-Mar-22	8015B	
Surrogate: 1-Chlorooctane			108 %	66.9-136		2030208	MS	02-Mar-22	8015B	
Surrogate: 1-Chlorooctadecane			114 %	59.5-142		2030208	MS	02-Mar-22	8015B	

VOLATILES BY GC/MS

Dichlorodifluoromethane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Chloromethane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Vinyl chloride*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Bromomethane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Chloroethane*	<0.250		0.250	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Trichlorofluoromethane*	<0.250		0.250	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,1-Dichloroethene*	<0.250		0.250	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Carbon disulfide*	<0.250		0.250	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Iodomethane	<0.250		0.250	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Acrolein*	<0.250		0.250	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Methylene chloride*	<0.500		0.500	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Acetone*	<0.250		0.250	mg/kg	50	2030203	MS	02-Mar-22	8260B	
trans-1,2-Dichloroethene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Methyl t-Butyl Ether*	<0.050		0.050	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,1-Dichloroethane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Acrylonitrile*	<0.050		0.050	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Vinyl acetate*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
cis-1,2-Dichloroethene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
2,2-Dichloropropane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ALTAMIRA - US
14229 PUNTA BONAIRE DR.
CORPUS CHRISTI TX, 78418

Project: NOVO OVATION (OFFSITE)
Project Number: NVONM2104
Project Manager: BRYAN HANEY
Fax To:

Reported:
10-Mar-22 14:47

G- 13 (2-2.5')**H220798-06 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**VOLATILES BY GC/MS**

Bromochloromethane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Chloroform*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Carbon tetrachloride*	<0.050		0.050	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,1,1-Trichloroethane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,1-Dichloropropene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
2-Butanone*	<0.050		0.050	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Benzene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,2-Dichloroethane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Trichloroethene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Dibromomethane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,2-Dichloropropane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Bromodichloromethane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
cis-1,3-Dichloropropene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Toluene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
4-Methyl-2-pentanone*	<0.050		0.050	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Tetrachloroethene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
trans-1,3-Dichloropropene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,1,2-Trichloroethane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Dibromochloromethane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,3-Dichloropropane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,2-Dibromoethane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
2-Hexanone*	<0.050		0.050	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Chlorobenzene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Ethylbenzene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,1,1,2-Tetrachloroethane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
m+p - Xylene*	<0.050		0.050	mg/kg	50	2030203	MS	02-Mar-22	8260B	
o-Xylene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Total Xylenes*	<0.050		0.050	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Bromoform*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ALTAMIRA - US
14229 PUNTA BONAIRE DR.
CORPUS CHRISTI TX, 78418

Project: NOVO OVATION (OFFSITE)
Project Number: NVONM2104
Project Manager: BRYAN HANEY
Fax To:

Reported:
10-Mar-22 14:47

G- 13 (2-2.5')**H220798-06 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**VOLATILES BY GC/MS**

Styrene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Isopropylbenzene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Bromobenzene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
n-Propylbenzene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,1,2,2-Tetrachloroethane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
2-Chlorotoluene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,2,3-trichloropropane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,3,5-Trimethylbenzene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
trans-1,4-Dichloro-2-butene	<0.250		0.250	mg/kg	50	2030203	MS	02-Mar-22	8260B	
4-Chlorotoluene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
tert-Butylbenzene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,2,4-Trimethylbenzene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
sec-Butylbenzene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
p-Isopropyltoluene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,3-Dichlorobenzene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,4 Dichlorobenzene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
n-Butylbenzene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,2-Dichlorobenzene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,2-Dibromo-3-chloropropane*	<0.250		0.250	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Hexachlorobutadiene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,2,4-Trichlorobenzene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Naphthalene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,2,3-Trichlorobenzene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,4-Dioxane	<6.25		6.25	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Surrogate: Dibromofluoromethane			99.3 %	84.6-114		2030203	MS	02-Mar-22	8260B	
Surrogate: Toluene-d8			102 %	90.4-109		2030203	MS	02-Mar-22	8260B	
Surrogate: 4-Bromofluorobenzene			97.2 %	82.5-117		2030203	MS	02-Mar-22	8260B	

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ALTAMIRA - US
14229 PUNTA BONAIRE DR.
CORPUS CHRISTI TX, 78418

Project: NOVO OVATION (OFFSITE)
Project Number: NVONM2104
Project Manager: BRYAN HANEY
Fax To:

Reported:
10-Mar-22 14:47

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Analytical Results For:

ALTAMIRA - US 14229 PUNTA BONAIRE DR. CORPUS CHRISTI TX, 78418	Project: NOVO OVATION (OFFSITE) Project Number: NVONM2104 Project Manager: BRYAN HANEY Fax To:	Reported: 10-Mar-22 14:47
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Inorganic Compounds - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 2030207 - 1:4 DI Water										
Blank (2030207-BLK1)										
Prepared & Analyzed: 02-Mar-22										
Chloride	ND	16.0	mg/kg							
LCS (2030207-BS1)										
Prepared & Analyzed: 02-Mar-22										
Chloride	432	16.0	mg/kg	400		108	80-120			
LCS Dup (2030207-BSD1)										
Prepared & Analyzed: 02-Mar-22										
Chloride	416	16.0	mg/kg	400		104	80-120	3.77	20	

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Analytical Results For:

ALTAMIRA - US 14229 PUNTA BONAIRE DR. CORPUS CHRISTI TX, 78418	Project: NOVO OVATION (OFFSITE) Project Number: NVONM2104 Project Manager: BRYAN HANEY Fax To:	Reported: 10-Mar-22 14:47
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Petroleum Hydrocarbons by GC FID - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 2030208 - General Prep - Organics

Blank (2030208-BLK1)		Prepared & Analyzed: 02-Mar-22								
GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	46.7		mg/kg	50.0		93.4	66.9-136			
Surrogate: 1-Chlorooctadecane	48.0		mg/kg	50.0		95.9	59.5-142			
LCS (2030208-BS1)		Prepared & Analyzed: 02-Mar-22								
GRO C6-C10	208	10.0	mg/kg	200		104	81.6-129			
DRO >C10-C28	174	10.0	mg/kg	200		87.2	83-129			
Total TPH C6-C28	382	10.0	mg/kg	400		95.6	84.5-127			
Surrogate: 1-Chlorooctane	60.1		mg/kg	50.0		120	66.9-136			
Surrogate: 1-Chlorooctadecane	58.5		mg/kg	50.0		117	59.5-142			
LCS Dup (2030208-BSD1)		Prepared & Analyzed: 02-Mar-22								
GRO C6-C10	206	10.0	mg/kg	200		103	81.6-129	1.21	21.4	
DRO >C10-C28	175	10.0	mg/kg	200		87.5	83-129	0.320	17.9	
Total TPH C6-C28	381	10.0	mg/kg	400		95.1	84.5-127	0.510	17.6	
Surrogate: 1-Chlorooctane	60.0		mg/kg	50.0		120	66.9-136			
Surrogate: 1-Chlorooctadecane	59.4		mg/kg	50.0		119	59.5-142			

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ALTAMIRA - US 14229 PUNTA BONAIRE DR. CORPUS CHRISTI TX, 78418	Project: NOVO OVATION (OFFSITE) Project Number: NVONM2104 Project Manager: BRYAN HANEY Fax To:	Reported: 10-Mar-22 14:47
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VOLATILES BY GC/MS - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 2030203 - Volatiles

Blank (2030203-BLK1)

Prepared & Analyzed: 02-Mar-22

Dichlorodifluoromethane	ND	0.025	mg/kg							
Chloromethane	ND	0.025	mg/kg							
Vinyl chloride	ND	0.025	mg/kg							
Bromomethane	ND	0.025	mg/kg							
Chloroethane	ND	0.250	mg/kg							
Trichlorofluoromethane	ND	0.250	mg/kg							
1,1-Dichloroethene	ND	0.250	mg/kg							
Carbon disulfide	ND	0.250	mg/kg							
Iodomethane	ND	0.250	mg/kg							
Acrolein	ND	0.250	mg/kg							
Methylene chloride	ND	0.500	mg/kg							
Acetone	ND	0.250	mg/kg							
trans-1,2-Dichloroethene	ND	0.025	mg/kg							
Methyl t-Butyl Ether	ND	0.050	mg/kg							
1,1-Dichloroethane	ND	0.025	mg/kg							
Acrylonitrile	ND	0.050	mg/kg							
Vinyl acetate	ND	0.025	mg/kg							
cis-1,2-Dichloroethene	ND	0.025	mg/kg							
2,2-Dichloropropane	ND	0.025	mg/kg							
Bromochloromethane	ND	0.025	mg/kg							
Chloroform	ND	0.025	mg/kg							
Carbon tetrachloride	ND	0.050	mg/kg							
1,1,1-Trichloroethane	ND	0.025	mg/kg							
1,1-Dichloropropene	ND	0.025	mg/kg							
2-Butanone	ND	0.050	mg/kg							
Benzene	ND	0.025	mg/kg							
1,2-Dichloroethane	ND	0.025	mg/kg							
Trichloroethene	ND	0.025	mg/kg							
Dibromomethane	ND	0.025	mg/kg							
1,2-Dichloropropane	ND	0.025	mg/kg							
Bromodichloromethane	ND	0.025	mg/kg							
cis-1,3-Dichloropropene	ND	0.025	mg/kg							

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ALTAMIRA - US 14229 PUNTA BONAIRE DR. CORPUS CHRISTI TX, 78418	Project: NOVO OVATION (OFFSITE) Project Number: NVONM2104 Project Manager: BRYAN HANEY Fax To:	Reported: 10-Mar-22 14:47
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VOLATILES BY GC/MS - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 2030203 - Volatiles

Blank (2030203-BLK1)

Prepared & Analyzed: 02-Mar-22

Toluene	ND	0.025	mg/kg							
4-Methyl-2-pentanone	ND	0.050	mg/kg							
Tetrachloroethene	ND	0.025	mg/kg							
trans-1,3-Dichloropropene	ND	0.025	mg/kg							
1,1,2-Trichloroethane	ND	0.025	mg/kg							
Dibromochloromethane	ND	0.025	mg/kg							
1,3-Dichloropropane	ND	0.025	mg/kg							
1,2-Dibromoethane	ND	0.025	mg/kg							
2-Hexanone	ND	0.050	mg/kg							
Chlorobenzene	ND	0.025	mg/kg							
Ethylbenzene	ND	0.025	mg/kg							
1,1,1,2-Tetrachloroethane	ND	0.025	mg/kg							
m+p - Xylene	ND	0.050	mg/kg							
Total Xylenes	ND	0.050	mg/kg							
o-Xylene	ND	0.025	mg/kg							
Bromoform	ND	0.025	mg/kg							
Styrene	ND	0.025	mg/kg							
Isopropylbenzene	ND	0.025	mg/kg							
Bromobenzene	ND	0.025	mg/kg							
n-Propylbenzene	ND	0.025	mg/kg							
1,1,2,2-Tetrachloroethane	ND	0.025	mg/kg							
2-Chlorotoluene	ND	0.025	mg/kg							
1,2,3-trichloropropane	ND	0.025	mg/kg							
1,3,5-Trimethylbenzene	ND	0.025	mg/kg							
trans-1,4-Dichloro-2-butene	ND	0.250	mg/kg							
4-Chlorotoluene	ND	0.025	mg/kg							
tert-Butylbenzene	ND	0.025	mg/kg							
1,2,4-Trimethylbenzene	ND	0.025	mg/kg							
sec-Butylbenzene	ND	0.025	mg/kg							
p-Isopropyltoluene	ND	0.025	mg/kg							
1,3-Dichlorobenzene	ND	0.025	mg/kg							
1,4 Dichlorobenzene	ND	0.025	mg/kg							

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ALTAMIRA - US
14229 PUNTA BONAIRE DR.
CORPUS CHRISTI TX, 78418

Project: NOVO OVATION (OFFSITE)
Project Number: NVONM2104
Project Manager: BRYAN HANEY
Fax To:

Reported:
10-Mar-22 14:47

VOLATILES BY GC/MS - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 2030203 - Volatiles**Blank (2030203-BLK1)**

Prepared & Analyzed: 02-Mar-22

n-Butylbenzene	ND	0.025	mg/kg							
1,2-Dichlorobenzene	ND	0.025	mg/kg							
1,2-Dibromo-3-chloropropane	ND	0.250	mg/kg							
Hexachlorobutadiene	ND	0.025	mg/kg							
1,2,4-Trichlorobenzene	ND	0.025	mg/kg							
Naphthalene	ND	0.025	mg/kg							
1,2,3-Trichlorobenzene	ND	0.025	mg/kg							
1,4-Dioxane	ND	6.25	mg/kg							
Surrogate: Dibromofluoromethane	1.23		mg/kg	1.25		98.3	84.6-114			
Surrogate: Toluene-d8	1.27		mg/kg	1.25		102	90.4-109			
Surrogate: 4-Bromofluorobenzene	1.16		mg/kg	1.25		93.1	82.5-117			

LCS (2030203-BS1)

Prepared & Analyzed: 02-Mar-22

Dichlorodifluoromethane	0.293	0.025	mg/kg	0.500		58.6	4.03-173			
Chloromethane	0.452	0.025	mg/kg	0.500		90.4	52.6-147			
Vinyl chloride	0.396	0.025	mg/kg	0.500		79.2	57.3-152			
Bromomethane	0.436	0.025	mg/kg	0.500		87.1	16.8-174			
Chloroethane	0.412	0.250	mg/kg	0.500		82.5	14.2-203			
Trichlorofluoromethane	0.367	0.250	mg/kg	0.500		73.5	-18.7-214			
1,1-Dichloroethene	0.429	0.250	mg/kg	0.500		85.8	30.5-180			
Carbon disulfide	0.866	0.250	mg/kg	1.00		86.6	43.8-148			
Iodomethane	0.830	0.250	mg/kg	1.00		83.0	45.2-157			
Acrolein	3.69	0.250	mg/kg	5.00		73.8	-46.2-174			
Methylene chloride	0.521	0.500	mg/kg	0.500		104	31.5-204			
Acetone	1.19	0.250	mg/kg	1.00		119	14.7-198			
trans-1,2-Dichloroethene	0.481	0.025	mg/kg	0.500		96.2	56.4-152			
Methyl t-Butyl Ether	0.842	0.050	mg/kg	1.00		84.2	42.7-160			
1,1-Dichloroethane	0.476	0.025	mg/kg	0.500		95.2	79.2-128			
Acrylonitrile	1.06	0.050	mg/kg	1.00		106	64.8-130			
Vinyl acetate	0.387	0.025	mg/kg	0.500		77.5	62.2-134			
cis-1,2-Dichloroethene	0.509	0.025	mg/kg	0.500		102	78.9-127			
2,2-Dichloropropane	0.412	0.025	mg/kg	0.500		82.4	69.4-140			

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ALTAMIRA - US
14229 PUNTA BONAIRE DR.
CORPUS CHRISTI TX, 78418

Project: NOVO OVATION (OFFSITE)
Project Number: NVONM2104
Project Manager: BRYAN HANEY
Fax To:

Reported:
10-Mar-22 14:47

VOLATILES BY GC/MS - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 2030203 - Volatiles**LCS (2030203-BS1)**

Prepared & Analyzed: 02-Mar-22

Bromochloromethane	0.483	0.025	mg/kg	0.500		96.6	69.4-131			
Chloroform	0.500	0.025	mg/kg	0.500		100	70.6-131			
Carbon tetrachloride	0.473	0.050	mg/kg	0.500		94.7	54.7-158			
1,1,1-Trichloroethane	0.474	0.025	mg/kg	0.500		94.9	70.2-141			
1,1-Dichloropropene	0.493	0.025	mg/kg	0.500		98.7	73.5-137			
2-Butanone	0.958	0.050	mg/kg	1.00		95.8	56-139			
Benzene	0.504	0.025	mg/kg	0.500		101	73-130			
1,2-Dichloroethane	0.468	0.025	mg/kg	0.500		93.6	63.5-141			
Trichloroethene	0.488	0.025	mg/kg	0.500		97.7	80.2-122			
Dibromomethane	0.439	0.025	mg/kg	0.500		87.8	68.6-130			
1,2-Dichloropropane	0.495	0.025	mg/kg	0.500		99.1	71.3-132			
Bromodichloromethane	0.477	0.025	mg/kg	0.500		95.4	70.7-131			
cis-1,3-Dichloropropene	0.492	0.025	mg/kg	0.500		98.3	84.9-119			
Toluene	0.490	0.025	mg/kg	0.500		98.0	79-122			
4-Methyl-2-pentanone	0.996	0.050	mg/kg	1.00		99.6	61.6-129			
Tetrachloroethene	0.481	0.025	mg/kg	0.500		96.2	55.7-160			
trans-1,3-Dichloropropene	0.510	0.025	mg/kg	0.500		102	79.4-121			
1,1,2-Trichloroethane	0.475	0.025	mg/kg	0.500		95.0	63.6-133			
Dibromochloromethane	0.480	0.025	mg/kg	0.500		96.0	73.9-125			
1,3-Dichloropropane	0.493	0.025	mg/kg	0.500		98.5	76.6-124			
1,2-Dibromoethane	0.472	0.025	mg/kg	0.500		94.4	77.1-119			
2-Hexanone	0.903	0.050	mg/kg	1.00		90.3	59.5-132			
Chlorobenzene	0.501	0.025	mg/kg	0.500		100	87.1-116			
Ethylbenzene	0.513	0.025	mg/kg	0.500		103	75.4-127			
1,1,1,2-Tetrachloroethane	0.478	0.025	mg/kg	0.500		95.7	79.8-123			
m+p - Xylene	1.04	0.050	mg/kg	1.00		104	71.8-133			
o-Xylene	0.511	0.025	mg/kg	0.500		102	78.6-125			
Total Xylenes	1.55	0.050	mg/kg	1.50		103	74.6-130			
Bromoform	0.458	0.025	mg/kg	0.500		91.5	58.6-143			
Styrene	0.493	0.025	mg/kg	0.500		98.7	85.7-121			
Isopropylbenzene	0.529	0.025	mg/kg	0.500		106	71.7-137			
Bromobenzene	0.486	0.025	mg/kg	0.500		97.1	84.8-114			

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ALTAMIRA - US
14229 PUNTA BONAIRE DR.
CORPUS CHRISTI TX, 78418

Project: NOVO OVATION (OFFSITE)
Project Number: NVONM2104
Project Manager: BRYAN HANEY
Fax To:

Reported:
10-Mar-22 14:47

VOLATILES BY GC/MS - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 2030203 - Volatiles**LCS (2030203-BS1)**

Prepared & Analyzed: 02-Mar-22

n-Propylbenzene	0.504	0.025	mg/kg	0.500		101	52.9-144			
1,1,2,2-Tetrachloroethane	0.454	0.025	mg/kg	0.500		90.8	63.2-124			
2-Chlorotoluene	0.487	0.025	mg/kg	0.500		97.5	74.8-126			
1,2,3-trichloropropane	0.569	0.025	mg/kg	0.500		114	53-140			
1,3,5-Trimethylbenzene	0.501	0.025	mg/kg	0.500		100	64.4-138			
trans-1,4-Dichloro-2-butene	0.918	0.250	mg/kg	1.00		91.8	-15.6-219			
4-Chlorotoluene	0.497	0.025	mg/kg	0.500		99.5	68.4-135			
tert-Butylbenzene	0.487	0.025	mg/kg	0.500		97.5	62.1-139			
1,2,4-Trimethylbenzene	0.518	0.025	mg/kg	0.500		104	62.4-140			
sec-Butylbenzene	0.514	0.025	mg/kg	0.500		103	61.9-148			
p-Isopropyltoluene	0.509	0.025	mg/kg	0.500		102	56.9-141			
1,3-Dichlorobenzene	0.472	0.025	mg/kg	0.500		94.4	74.7-123			
1,4 Dichlorobenzene	0.474	0.025	mg/kg	0.500		94.8	75.2-120			
n-Butylbenzene	0.465	0.025	mg/kg	0.500		92.9	41.1-164			
1,2-Dichlorobenzene	0.470	0.025	mg/kg	0.500		94.0	80.8-114			
1,2-Dibromo-3-chloropropane	0.421	0.250	mg/kg	0.500		84.2	51.1-134			
Hexachlorobutadiene	0.551	0.025	mg/kg	0.500		110	13.4-183			
1,2,4-Trichlorobenzene	0.477	0.025	mg/kg	0.500		95.3	39.7-150			
Naphthalene	0.432	0.025	mg/kg	0.500		86.4	28.7-158			
1,2,3-Trichlorobenzene	0.483	0.025	mg/kg	0.500		96.7	13.8-171			
1,4-Dioxane	11.0	6.25	mg/kg	10.0		110	47.3-105			BS-3
Surrogate: Dibromofluoromethane	1.25		mg/kg	1.25		99.7	84.6-114			
Surrogate: Toluene-d8	1.26		mg/kg	1.25		101	90.4-109			
Surrogate: 4-Bromofluorobenzene	1.29		mg/kg	1.25		103	82.5-117			

LCS Dup (2030203-BS1)

Prepared & Analyzed: 02-Mar-22

Dichlorodifluoromethane	0.293	0.025	mg/kg	0.500		58.7	4.03-173	0.109	41.1	
Chloromethane	0.454	0.025	mg/kg	0.500		90.9	52.6-147	0.461	22.8	
Vinyl chloride	0.404	0.025	mg/kg	0.500		80.8	57.3-152	1.94	27.7	
Bromomethane	0.416	0.025	mg/kg	0.500		83.3	16.8-174	4.50	23.5	
Chloroethane	0.385	0.250	mg/kg	0.500		77.1	14.2-203	6.78	27.5	
Trichlorofluoromethane	0.351	0.250	mg/kg	0.500		70.3	-18.7-214	4.44	61.9	

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ALTAMIRA - US
14229 PUNTA BONAIRE DR.
CORPUS CHRISTI TX, 78418

Project: NOVO OVATION (OFFSITE)
Project Number: NVONM2104
Project Manager: BRYAN HANEY
Fax To:

Reported:
10-Mar-22 14:47

VOLATILES BY GC/MS - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 2030203 - Volatiles**LCS Dup (2030203-BSD1)**

Prepared & Analyzed: 02-Mar-22

1,1-Dichloroethene	0.393	0.250	mg/kg	0.500		78.5	30.5-180	8.86	26.1	
Carbon disulfide	0.800	0.250	mg/kg	1.00		80.0	43.8-148	7.90	25.9	
Iodomethane	0.789	0.250	mg/kg	1.00		78.9	45.2-157	5.08	19.7	
Acrolein	3.51	0.250	mg/kg	5.00		70.1	-46.2-174	5.14	25.5	
Methylene chloride	0.520	0.500	mg/kg	0.500		104	31.5-204	0.0788	45.3	
Acetone	1.14	0.250	mg/kg	1.00		114	14.7-198	4.31	171	
trans-1,2-Dichloroethene	0.468	0.025	mg/kg	0.500		93.6	56.4-152	2.77	22.7	
Methyl t-Butyl Ether	0.896	0.050	mg/kg	1.00		89.6	42.7-160	6.25	31.5	
1,1-Dichloroethane	0.479	0.025	mg/kg	0.500		95.8	79.2-128	0.649	17.9	
Acrylonitrile	1.01	0.050	mg/kg	1.00		101	64.8-130	4.69	17	
Vinyl acetate	0.380	0.025	mg/kg	0.500		76.0	62.2-134	1.94	20.1	
cis-1,2-Dichloroethene	0.489	0.025	mg/kg	0.500		97.8	78.9-127	3.98	16.5	
2,2-Dichloropropane	0.430	0.025	mg/kg	0.500		85.9	69.4-140	4.20	20.4	
Bromochloromethane	0.486	0.025	mg/kg	0.500		97.2	69.4-131	0.598	19.5	
Chloroform	0.491	0.025	mg/kg	0.500		98.2	70.6-131	1.80	16.7	
Carbon tetrachloride	0.464	0.050	mg/kg	0.500		92.8	54.7-158	2.01	22.2	
1,1,1-Trichloroethane	0.482	0.025	mg/kg	0.500		96.5	70.2-141	1.67	22.1	
1,1-Dichloropropene	0.495	0.025	mg/kg	0.500		99.1	73.5-137	0.368	32.2	
2-Butanone	0.919	0.050	mg/kg	1.00		91.9	56-139	4.15	27.1	
Benzene	0.504	0.025	mg/kg	0.500		101	73-130	0.0476	17.1	
1,2-Dichloroethane	0.468	0.025	mg/kg	0.500		93.7	63.5-141	0.0726	16.4	
Trichloroethene	0.486	0.025	mg/kg	0.500		97.2	80.2-122	0.441	19.9	
Dibromomethane	0.448	0.025	mg/kg	0.500		89.6	68.6-130	2.05	17.2	
1,2-Dichloropropane	0.501	0.025	mg/kg	0.500		100	71.3-132	1.20	14.6	
Bromodichloromethane	0.464	0.025	mg/kg	0.500		92.9	70.7-131	2.67	16.3	
cis-1,3-Dichloropropene	0.476	0.025	mg/kg	0.500		95.1	84.9-119	3.35	11.8	
Toluene	0.480	0.025	mg/kg	0.500		96.0	79-122	2.09	18.3	
4-Methyl-2-pentanone	0.960	0.050	mg/kg	1.00		96.0	61.6-129	3.61	18.1	
Tetrachloroethene	0.485	0.025	mg/kg	0.500		97.1	55.7-160	0.873	41.8	
trans-1,3-Dichloropropene	0.513	0.025	mg/kg	0.500		103	79.4-121	0.507	15.3	
1,1,2-Trichloroethane	0.468	0.025	mg/kg	0.500		93.6	63.6-133	1.48	32.9	
Dibromochloromethane	0.459	0.025	mg/kg	0.500		91.7	73.9-125	4.59	12.9	

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ALTAMIRA - US
14229 PUNTA BONAIRE DR.
CORPUS CHRISTI TX, 78418

Project: NOVO OVATION (OFFSITE)
Project Number: NVONM2104
Project Manager: BRYAN HANEY
Fax To:

Reported:
10-Mar-22 14:47

VOLATILES BY GC/MS - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 2030203 - Volatiles**LCS Dup (2030203-BSD1)**

Prepared & Analyzed: 02-Mar-22

1,3-Dichloropropane	0.488	0.025	mg/kg	0.500		97.6	76.6-124	0.997	13.1	
1,2-Dibromoethane	0.495	0.025	mg/kg	0.500		99.0	77.1-119	4.75	13.7	
2-Hexanone	0.863	0.050	mg/kg	1.00		86.3	59.5-132	4.47	22.2	
Chlorobenzene	0.500	0.025	mg/kg	0.500		100	87.1-116	0.210	11.3	
Ethylbenzene	0.514	0.025	mg/kg	0.500		103	75.4-127	0.0526	16.5	
1,1,1,2-Tetrachloroethane	0.476	0.025	mg/kg	0.500		95.1	79.8-123	0.583	10.8	
m+p - Xylene	1.03	0.050	mg/kg	1.00		103	71.8-133	0.592	19.1	
o-Xylene	0.507	0.025	mg/kg	0.500		101	78.6-125	0.776	13.2	
Total Xylenes	1.54	0.050	mg/kg	1.50		103	74.6-130	0.653	16.5	
Bromoform	0.423	0.025	mg/kg	0.500		84.5	58.6-143	7.92	12.9	
Styrene	0.458	0.025	mg/kg	0.500		91.7	85.7-121	7.33	11.5	
Isopropylbenzene	0.527	0.025	mg/kg	0.500		105	71.7-137	0.250	25.2	
Bromobenzene	0.472	0.025	mg/kg	0.500		94.3	84.8-114	2.92	14.6	
n-Propylbenzene	0.487	0.025	mg/kg	0.500		97.4	52.9-144	3.34	57.4	
1,1,2,2-Tetrachloroethane	0.447	0.025	mg/kg	0.500		89.4	63.2-124	1.57	14.4	
2-Chlorotoluene	0.487	0.025	mg/kg	0.500		97.4	74.8-126	0.150	26	
1,2,3-trichloropropane	0.516	0.025	mg/kg	0.500		103	53-140	9.87	30.1	
1,3,5-Trimethylbenzene	0.489	0.025	mg/kg	0.500		97.9	64.4-138	2.41	39.1	
trans-1,4-Dichloro-2-butene	0.616	0.250	mg/kg	1.00		61.6	-15.6-219	39.4	162	
4-Chlorotoluene	0.482	0.025	mg/kg	0.500		96.5	68.4-135	3.08	29.2	
tert-Butylbenzene	0.474	0.025	mg/kg	0.500		94.8	62.1-139	2.77	30.4	
1,2,4-Trimethylbenzene	0.501	0.025	mg/kg	0.500		100	62.4-140	3.36	38.2	
sec-Butylbenzene	0.498	0.025	mg/kg	0.500		99.6	61.9-148	3.17	60.1	
p-Isopropyltoluene	0.495	0.025	mg/kg	0.500		99.1	56.9-141	2.69	67.5	
1,3-Dichlorobenzene	0.466	0.025	mg/kg	0.500		93.1	74.7-123	1.42	28.6	
1,4 Dichlorobenzene	0.462	0.025	mg/kg	0.500		92.5	75.2-120	2.50	28.8	
n-Butylbenzene	0.446	0.025	mg/kg	0.500		89.2	41.1-164	4.04	91.5	
1,2-Dichlorobenzene	0.466	0.025	mg/kg	0.500		93.3	80.8-114	0.801	15.8	
1,2-Dibromo-3-chloropropane	0.405	0.250	mg/kg	0.500		81.0	51.1-134	3.90	29.5	
Hexachlorobutadiene	0.524	0.025	mg/kg	0.500		105	13.4-183	4.99	105	
1,2,4-Trichlorobenzene	0.435	0.025	mg/kg	0.500		86.9	39.7-150	9.21	65.9	
Naphthalene	0.404	0.025	mg/kg	0.500		80.8	28.7-158	6.60	64	

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ALTAMIRA - US 14229 PUNTA BONAIRE DR. CORPUS CHRISTI TX, 78418	Project: NOVO OVATION (OFFSITE) Project Number: NVONM2104 Project Manager: BRYAN HANEY Fax To:	Reported: 10-Mar-22 14:47
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VOLATILES BY GC/MS - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 2030203 - Volatiles

LCS Dup (2030203-BSD1)

Prepared & Analyzed: 02-Mar-22

1,2,3-Trichlorobenzene	0.440	0.025	mg/kg	0.500		88.0	13.8-171	9.35	65.2	
1,4-Dioxane	10.4	6.25	mg/kg	10.0		104	47.3-105	5.48	72.3	
Surrogate: Dibromofluoromethane	1.23		mg/kg	1.25		98.4	84.6-114			
Surrogate: Toluene-d8	1.28		mg/kg	1.25		102	90.4-109			
Surrogate: 4-Bromofluorobenzene	1.29		mg/kg	1.25		103	82.5-117			

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Notes and Definitions

- S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
BS-3 Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.
ND Analyte NOT DETECTED at or above the reporting limit
RPD Relative Percent Difference
** Samples not received at proper temperature of 6°C or below.
*** Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

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Celest D. Keene

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: <u>Altamira US</u> Project Manager: <u>Bryan Haney</u> Address: <u>14229 Tynka Avenue dr</u> City: <u>Copps Creek, NJ</u> State: <u>PA</u> Zip: <u>178418</u> Phone #: <u>361-658 312C</u> Fax #: _____ Project #: <u>NIDM 2104</u> Project Owner: <u>Bryan Haney</u> Project Name: <u>Leeds Quatern (Off-site)</u> Project Location: <u>Leeds Quatern</u> Sampler Name: <u>Allyson Campbell</u>		P.O. #: _____ Company: <u>Altamira US</u> Attn: <u>Bryan Haney</u> Address: <u>14229 Tynka Avenue</u> City: <u>Copps Creek, NJ</u> State: <u>PA</u> Zip: <u>178418</u> Phone #: <u>361-658 312C</u> Fax #: _____	
Lab I.D.: <u>H220798</u> Sample I.D.: *		FOR LAB USE ONLY (G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER MATRIX: SOIL OIL SLUDGE OTHER: ACID/BASE: ICE / COOL OTHER:	
Date: <u>3/1/2022</u> Date: <u>3/1/2022</u> Date: <u>3/1/2022</u> Date: <u>3/1/2022</u> Date: <u>3/1/2022</u> Date: <u>3/1/2022</u>		DATE TIME <u>3/1/2022 1400</u> <u>3/1/2022 1404</u> <u>3/1/2022 1410</u> <u>3/1/2022 1416</u> <u>3/1/2022 1427</u> <u>3/1/2022 1449</u>	
Relinquished By: _____ Relinquished By: _____ Relinquished By: _____ Relinquished By: _____ Relinquished By: _____		Received By: <u>[Signature]</u> Received By: _____ Received By: _____ Received By: _____ Received By: _____	
Delivered By: (Circle One) Observed Temp. °C <u>3.3</u> Corrected Temp. °C <u>2.8</u>		Sample Condition: Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/> Checked By: <u>[Signature]</u>	
Remarks: <u>24hr TAT - Email Results to Bryan Haney * Sample IDs changed as per Bryan</u> Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Add'l Phone #: _____ All Results are emailed. Please provide Email address: <u>Bryan.Haney@Altamira-US.com</u>		Turnaround Time: <u>Standard</u> <input type="checkbox"/> <u>Rush</u> <input checked="" type="checkbox"/> Bacteria (only) <input type="checkbox"/> Sample Condition <input checked="" type="checkbox"/> Cool Intact <input type="checkbox"/> Observed Temp. °C _____ Corrected Temp. °C _____	



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

March 10, 2022

BRYAN HANEY

ALTAMIRA - US

14229 PUNTA BONAIRE DR.

CORPUS CHRISTI, TX 78418

RE: NOVO OVATION (OFFSITE)

Enclosed are the results of analyses for samples received by the laboratory on 03/02/22 16:38.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/ga/lab_accred_certif.html.

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

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

Cardinal Laboratories is accredited through the State of New Mexico Environment Department for:

Method SM 9223-B	Total Coliform and E. coli (Colilert MMO-MUG)
Method EPA 524.2	Regulated VOCs and Total Trihalomethanes (TTHM)
Method EPA 552.2	Total Haloacetic Acids (HAA-5)

Accreditation applies to public drinking water matrices for State of Colorado and New Mexico.

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

ALTAMIRA - US 14229 PUNTA BONAIRE DR. CORPUS CHRISTI TX, 78418	Project: NOVO OVATION (OFFSITE) Project Number: NVONM2104 Project Manager: BRYAN HANEY Fax To:	Reported: 10-Mar-22 14:29
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Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
G- 16 (1-1.5')	H220827-01	Soil	02-Mar-22 08:56	02-Mar-22 16:38
G- 15 (2-2.5')	H220827-02	Soil	02-Mar-22 09:00	02-Mar-22 16:38
G- 17 (1-1.5')	H220827-03	Soil	02-Mar-22 09:10	02-Mar-22 16:38
G- 18 (1-1.5')	H220827-04	Soil	02-Mar-22 09:14	02-Mar-22 16:38
G- 20 (1-1.5')	H220827-05	Soil	02-Mar-22 12:19	02-Mar-22 16:38
G- 19 (1-1.5')	H220827-06	Soil	02-Mar-22 12:23	02-Mar-22 16:38
G- 1 (1-1.5')	H220827-07	Soil	02-Mar-22 12:46	02-Mar-22 16:38
G- 01 (1-1.5')	H220827-08	Soil	02-Mar-22 14:07	02-Mar-22 16:38
G- 3 (1-1.5')	H220827-09	Soil	02-Mar-22 15:05	02-Mar-22 16:38

03/10/22 - Client changed the sample IDs for the workorder. This is the revised report and will replace the one sent on 03/03/22.

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Analytical Results For:

ALTAMIRA - US
14229 PUNTA BONAIRE DR.
CORPUS CHRISTI TX, 78418

Project: NOVO OVATION (OFFSITE)
Project Number: NVONM2104
Project Manager: BRYAN HANEY
Fax To:

Reported:
10-Mar-22 14:29

G-16 (1-1.5')
H220827-01 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	32.0		16.0	mg/kg	4	2030316	GM	03-Mar-22	4500-Cl-B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	2030302	MS	03-Mar-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2030302	MS	03-Mar-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2030302	MS	03-Mar-22	8015B	
Surrogate: 1-Chlorooctane			120 %	66.9-136		2030302	MS	03-Mar-22	8015B	
Surrogate: 1-Chlorooctadecane			117 %	59.5-142		2030302	MS	03-Mar-22	8015B	

VOLATILES BY GC/MS

Dichlorodifluoromethane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Chloromethane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Vinyl chloride*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Bromomethane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Chloroethane*	<0.250		0.250	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Trichlorofluoromethane*	<0.250		0.250	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,1-Dichloroethene*	<0.250		0.250	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Carbon disulfide*	<0.250		0.250	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Iodomethane	<0.250		0.250	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Acrolein*	<0.250		0.250	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Methylene chloride*	<0.500		0.500	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Acetone*	<0.250		0.250	mg/kg	50	2030203	MS	02-Mar-22	8260B	
trans-1,2-Dichloroethene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Methyl t-Butyl Ether*	<0.050		0.050	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,1-Dichloroethane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Acrylonitrile*	<0.050		0.050	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Vinyl acetate*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
cis-1,2-Dichloroethene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
2,2-Dichloropropane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ALTAMIRA - US
14229 PUNTA BONAIRE DR.
CORPUS CHRISTI TX, 78418

Project: NOVO OVATION (OFFSITE)
Project Number: NVONM2104
Project Manager: BRYAN HANEY
Fax To:

Reported:
10-Mar-22 14:29

G- 16 (1-1.5')**H220827-01 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**VOLATILES BY GC/MS**

Bromochloromethane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Chloroform*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Carbon tetrachloride*	<0.050		0.050	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,1,1-Trichloroethane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,1-Dichloropropene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
2-Butanone*	<0.050		0.050	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Benzene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,2-Dichloroethane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Trichloroethene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Dibromomethane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,2-Dichloropropane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Bromodichloromethane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
cis-1,3-Dichloropropene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Toluene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
4-Methyl-2-pentanone*	<0.050		0.050	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Tetrachloroethene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
trans-1,3-Dichloropropene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,1,2-Trichloroethane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Dibromochloromethane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,3-Dichloropropane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,2-Dibromoethane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
2-Hexanone*	<0.050		0.050	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Chlorobenzene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Ethylbenzene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,1,1,2-Tetrachloroethane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
m+p - Xylene*	<0.050		0.050	mg/kg	50	2030203	MS	02-Mar-22	8260B	
o-Xylene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Total Xylenes*	<0.050		0.050	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Bromoform*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	

Cardinal Laboratories

* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ALTAMIRA - US
14229 PUNTA BONAIRE DR.
CORPUS CHRISTI TX, 78418

Project: NOVO OVATION (OFFSITE)
Project Number: NVONM2104
Project Manager: BRYAN HANEY
Fax To:

Reported:
10-Mar-22 14:29

G- 16 (1-1.5')**H220827-01 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**VOLATILES BY GC/MS**

Styrene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Isopropylbenzene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Bromobenzene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
n-Propylbenzene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,1,2,2-Tetrachloroethane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
2-Chlorotoluene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,2,3-trichloropropane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,3,5-Trimethylbenzene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
trans-1,4-Dichloro-2-butene	<0.250		0.250	mg/kg	50	2030203	MS	02-Mar-22	8260B	
4-Chlorotoluene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
tert-Butylbenzene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,2,4-Trimethylbenzene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
sec-Butylbenzene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
p-Isopropyltoluene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,3-Dichlorobenzene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,4 Dichlorobenzene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
n-Butylbenzene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,2-Dichlorobenzene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,2-Dibromo-3-chloropropane*	<0.250		0.250	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Hexachlorobutadiene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,2,4-Trichlorobenzene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Naphthalene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,2,3-Trichlorobenzene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,4-Dioxane	<6.25		6.25	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Surrogate: Dibromofluoromethane			96.3 %	84.6-114		2030203	MS	02-Mar-22	8260B	
Surrogate: Toluene-d8			96.6 %	90.4-109		2030203	MS	02-Mar-22	8260B	
Surrogate: 4-Bromofluorobenzene			101 %	82.5-117		2030203	MS	02-Mar-22	8260B	

Cardinal Laboratories

* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ALTAMIRA - US 14229 PUNTA BONAIRE DR. CORPUS CHRISTI TX, 78418	Project: NOVO OVATION (OFFSITE) Project Number: NVONM2104 Project Manager: BRYAN HANEY Fax To:	Reported: 10-Mar-22 14:29
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G- 15 (2-2.5')

H220827-02 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Chloride	32.0		16.0	mg/kg	4	2030316	GM	03-Mar-22	4500-CI-B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	2030302	MS	03-Mar-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2030302	MS	03-Mar-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2030302	MS	03-Mar-22	8015B	
Surrogate: 1-Chlorooctane			113 %	66.9-136		2030302	MS	03-Mar-22	8015B	
Surrogate: 1-Chlorooctadecane			109 %	59.5-142		2030302	MS	03-Mar-22	8015B	

VOLATILES BY GC/MS

Dichlorodifluoromethane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Chloromethane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Vinyl chloride*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Bromomethane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Chloroethane*	<0.250		0.250	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Trichlorofluoromethane*	<0.250		0.250	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,1-Dichloroethene*	<0.250		0.250	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Carbon disulfide*	<0.250		0.250	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Iodomethane	<0.250		0.250	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Acrolein*	<0.250		0.250	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Methylene chloride*	<0.500		0.500	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Acetone*	<0.250		0.250	mg/kg	50	2030203	MS	02-Mar-22	8260B	
trans-1,2-Dichloroethene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Methyl t-Butyl Ether*	<0.050		0.050	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,1-Dichloroethane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Acrylonitrile*	<0.050		0.050	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Vinyl acetate*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
cis-1,2-Dichloroethene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
2,2-Dichloropropane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ALTAMIRA - US
14229 PUNTA BONAIRE DR.
CORPUS CHRISTI TX, 78418

Project: NOVO OVATION (OFFSITE)
Project Number: NVONM2104
Project Manager: BRYAN HANEY
Fax To:

Reported:
10-Mar-22 14:29

G- 15 (2-2.5')**H220827-02 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**VOLATILES BY GC/MS**

Bromochloromethane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Chloroform*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Carbon tetrachloride*	<0.050		0.050	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,1,1-Trichloroethane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,1-Dichloropropene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
2-Butanone*	<0.050		0.050	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Benzene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,2-Dichloroethane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Trichloroethene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Dibromomethane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,2-Dichloropropane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Bromodichloromethane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
cis-1,3-Dichloropropene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Toluene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
4-Methyl-2-pentanone*	<0.050		0.050	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Tetrachloroethene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
trans-1,3-Dichloropropene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,1,2-Trichloroethane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Dibromochloromethane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,3-Dichloropropane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,2-Dibromoethane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
2-Hexanone*	<0.050		0.050	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Chlorobenzene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Ethylbenzene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,1,1,2-Tetrachloroethane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
m+p - Xylene*	<0.050		0.050	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Total Xylenes*	<0.050		0.050	mg/kg	50	2030203	MS	02-Mar-22	8260B	
o-Xylene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Bromoform*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	

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* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ALTAMIRA - US
14229 PUNTA BONAIRE DR.
CORPUS CHRISTI TX, 78418

Project: NOVO OVATION (OFFSITE)
Project Number: NVONM2104
Project Manager: BRYAN HANEY
Fax To:

Reported:
10-Mar-22 14:29

G- 15 (2-2.5')**H220827-02 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**VOLATILES BY GC/MS**

Styrene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Isopropylbenzene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Bromobenzene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
n-Propylbenzene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,1,2,2-Tetrachloroethane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
2-Chlorotoluene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,2,3-trichloropropane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,3,5-Trimethylbenzene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
trans-1,4-Dichloro-2-butene	<0.250		0.250	mg/kg	50	2030203	MS	02-Mar-22	8260B	
4-Chlorotoluene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
tert-Butylbenzene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,2,4-Trimethylbenzene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
sec-Butylbenzene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
p-Isopropyltoluene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,3-Dichlorobenzene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,4 Dichlorobenzene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
n-Butylbenzene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,2-Dichlorobenzene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,2-Dibromo-3-chloropropane*	<0.250		0.250	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Hexachlorobutadiene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,2,4-Trichlorobenzene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Naphthalene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,2,3-Trichlorobenzene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,4-Dioxane	<6.25		6.25	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Surrogate: Dibromofluoromethane			93.9 %	84.6-114		2030203	MS	02-Mar-22	8260B	
Surrogate: Toluene-d8			97.3 %	90.4-109		2030203	MS	02-Mar-22	8260B	
Surrogate: 4-Bromofluorobenzene			103 %	82.5-117		2030203	MS	02-Mar-22	8260B	

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* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ALTAMIRA - US
14229 PUNTA BONAIRE DR.
CORPUS CHRISTI TX, 78418

Project: NOVO OVATION (OFFSITE)
Project Number: NVONM2104
Project Manager: BRYAN HANEY
Fax To:

Reported:
10-Mar-22 14:29

G- 17 (1-1.5')**H220827-03 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	48.0		16.0	mg/kg	4	2030316	GM	03-Mar-22	4500-CI-B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	2030302	MS	03-Mar-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2030302	MS	03-Mar-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2030302	MS	03-Mar-22	8015B	

Surrogate: 1-Chlorooctane 112 % 66.9-136 2030302 MS 03-Mar-22 8015B

Surrogate: 1-Chlorooctadecane 110 % 59.5-142 2030302 MS 03-Mar-22 8015B

VOLATILES BY GC/MS

Dichlorodifluoromethane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Chloromethane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Vinyl chloride*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Bromomethane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Chloroethane*	<0.250		0.250	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Trichlorofluoromethane*	<0.250		0.250	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,1-Dichloroethene*	<0.250		0.250	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Carbon disulfide*	<0.250		0.250	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Iodomethane	<0.250		0.250	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Acrolein*	<0.250		0.250	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Methylene chloride*	<0.500		0.500	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Acetone*	<0.250		0.250	mg/kg	50	2030203	MS	02-Mar-22	8260B	
trans-1,2-Dichloroethene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Methyl t-Butyl Ether*	<0.050		0.050	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,1-Dichloroethane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Acrylonitrile*	<0.050		0.050	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Vinyl acetate*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
cis-1,2-Dichloroethene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
2,2-Dichloropropane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	

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* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ALTAMIRA - US 14229 PUNTA BONAIRE DR. CORPUS CHRISTI TX, 78418	Project: NOVO OVATION (OFFSITE) Project Number: NVONM2104 Project Manager: BRYAN HANEY Fax To:	Reported: 10-Mar-22 14:29
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**G- 17 (1-1.5')
H220827-03 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

VOLATILES BY GC/MS

Bromochloromethane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Chloroform*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Carbon tetrachloride*	<0.050		0.050	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,1,1-Trichloroethane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,1-Dichloropropene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
2-Butanone*	<0.050		0.050	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Benzene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,2-Dichloroethane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Trichloroethene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Dibromomethane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,2-Dichloropropane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Bromodichloromethane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
cis-1,3-Dichloropropene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Toluene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
4-Methyl-2-pentanone*	<0.050		0.050	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Tetrachloroethene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
trans-1,3-Dichloropropene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,1,2-Trichloroethane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Dibromochloromethane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,3-Dichloropropane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,2-Dibromoethane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
2-Hexanone*	<0.050		0.050	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Chlorobenzene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Ethylbenzene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,1,1,2-Tetrachloroethane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
m+p - Xylene*	<0.050		0.050	mg/kg	50	2030203	MS	02-Mar-22	8260B	
o-Xylene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Total Xylenes*	<0.050		0.050	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Bromoform*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ALTAMIRA - US
14229 PUNTA BONAIRE DR.
CORPUS CHRISTI TX, 78418

Project: NOVO OVATION (OFFSITE)
Project Number: NVONM2104
Project Manager: BRYAN HANEY
Fax To:

Reported:
10-Mar-22 14:29

G- 17 (1-1.5')**H220827-03 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**VOLATILES BY GC/MS**

Styrene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Isopropylbenzene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Bromobenzene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
n-Propylbenzene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,1,2,2-Tetrachloroethane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
2-Chlorotoluene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,2,3-trichloropropane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,3,5-Trimethylbenzene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
trans-1,4-Dichloro-2-butene	<0.250		0.250	mg/kg	50	2030203	MS	02-Mar-22	8260B	
4-Chlorotoluene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
tert-Butylbenzene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,2,4-Trimethylbenzene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
sec-Butylbenzene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
p-Isopropyltoluene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,3-Dichlorobenzene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,4 Dichlorobenzene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
n-Butylbenzene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,2-Dichlorobenzene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,2-Dibromo-3-chloropropane*	<0.250		0.250	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Hexachlorobutadiene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,2,4-Trichlorobenzene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Naphthalene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,2,3-Trichlorobenzene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,4-Dioxane	<6.25		6.25	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Surrogate: Dibromofluoromethane			95.2 %	84.6-114		2030203	MS	02-Mar-22	8260B	
Surrogate: Toluene-d8			101 %	90.4-109		2030203	MS	02-Mar-22	8260B	
Surrogate: 4-Bromofluorobenzene			101 %	82.5-117		2030203	MS	02-Mar-22	8260B	

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* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ALTAMIRA - US 14229 PUNTA BONAIRE DR. CORPUS CHRISTI TX, 78418	Project: NOVO OVATION (OFFSITE) Project Number: NVONM2104 Project Manager: BRYAN HANEY Fax To:	Reported: 10-Mar-22 14:29
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G- 18 (1-1.5')

H220827-04 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Chloride	80.0		16.0	mg/kg	4	2030316	GM	03-Mar-22	4500-CI-B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	2030302	MS	03-Mar-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2030302	MS	03-Mar-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2030302	MS	03-Mar-22	8015B	
Surrogate: 1-Chlorooctane			118 %	66.9-136		2030302	MS	03-Mar-22	8015B	
Surrogate: 1-Chlorooctadecane			116 %	59.5-142		2030302	MS	03-Mar-22	8015B	

VOLATILES BY GC/MS

Dichlorodifluoromethane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Chloromethane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Vinyl chloride*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Bromomethane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Chloroethane*	<0.250		0.250	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Trichlorofluoromethane*	<0.250		0.250	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,1-Dichloroethene*	<0.250		0.250	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Carbon disulfide*	<0.250		0.250	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Iodomethane	<0.250		0.250	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Acrolein*	<0.250		0.250	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Methylene chloride*	<0.500		0.500	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Acetone*	<0.250		0.250	mg/kg	50	2030203	MS	02-Mar-22	8260B	
trans-1,2-Dichloroethene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Methyl t-Butyl Ether*	<0.050		0.050	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,1-Dichloroethane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Acrylonitrile*	<0.050		0.050	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Vinyl acetate*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
cis-1,2-Dichloroethene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
2,2-Dichloropropane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ALTAMIRA - US 14229 PUNTA BONAIRE DR. CORPUS CHRISTI TX, 78418	Project: NOVO OVATION (OFFSITE) Project Number: NVONM2104 Project Manager: BRYAN HANEY Fax To:	Reported: 10-Mar-22 14:29
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**G- 18 (1-1.5')
H220827-04 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

VOLATILES BY GC/MS

Bromochloromethane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Chloroform*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Carbon tetrachloride*	<0.050		0.050	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,1,1-Trichloroethane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,1-Dichloropropene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
2-Butanone*	<0.050		0.050	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Benzene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,2-Dichloroethane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Trichloroethene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Dibromomethane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,2-Dichloropropane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Bromodichloromethane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
cis-1,3-Dichloropropene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Toluene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
4-Methyl-2-pentanone*	<0.050		0.050	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Tetrachloroethene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
trans-1,3-Dichloropropene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,1,2-Trichloroethane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Dibromochloromethane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,3-Dichloropropane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,2-Dibromoethane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
2-Hexanone*	<0.050		0.050	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Chlorobenzene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Ethylbenzene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,1,1,2-Tetrachloroethane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
m+p - Xylene*	<0.050		0.050	mg/kg	50	2030203	MS	02-Mar-22	8260B	
o-Xylene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Total Xylenes*	<0.050		0.050	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Bromoform*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ALTAMIRA - US
14229 PUNTA BONAIRE DR.
CORPUS CHRISTI TX, 78418

Project: NOVO OVATION (OFFSITE)
Project Number: NVONM2104
Project Manager: BRYAN HANEY
Fax To:

Reported:
10-Mar-22 14:29

G- 18 (1-1.5')**H220827-04 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**VOLATILES BY GC/MS**

Styrene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Isopropylbenzene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Bromobenzene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
n-Propylbenzene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,1,2,2-Tetrachloroethane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
2-Chlorotoluene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,2,3-trichloropropane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,3,5-Trimethylbenzene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
trans-1,4-Dichloro-2-butene	<0.250		0.250	mg/kg	50	2030203	MS	02-Mar-22	8260B	
4-Chlorotoluene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
tert-Butylbenzene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,2,4-Trimethylbenzene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
sec-Butylbenzene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
p-Isopropyltoluene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,3-Dichlorobenzene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,4 Dichlorobenzene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
n-Butylbenzene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,2-Dichlorobenzene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,2-Dibromo-3-chloropropane*	<0.250		0.250	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Hexachlorobutadiene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,2,4-Trichlorobenzene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Naphthalene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,2,3-Trichlorobenzene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,4-Dioxane	<6.25		6.25	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Surrogate: Dibromofluoromethane			95.8 %	84.6-114		2030203	MS	02-Mar-22	8260B	
Surrogate: Toluene-d8			102 %	90.4-109		2030203	MS	02-Mar-22	8260B	
Surrogate: 4-Bromofluorobenzene			104 %	82.5-117		2030203	MS	02-Mar-22	8260B	

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* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ALTAMIRA - US 14229 PUNTA BONAIRE DR. CORPUS CHRISTI TX, 78418	Project: NOVO OVATION (OFFSITE) Project Number: NVONM2104 Project Manager: BRYAN HANEY Fax To:	Reported: 10-Mar-22 14:29
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G- 20 (1-1.5')

H220827-05 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Chloride	32.0		16.0	mg/kg	4	2030316	GM	03-Mar-22	4500-Cl-B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	2030302	MS	03-Mar-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2030302	MS	03-Mar-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2030302	MS	03-Mar-22	8015B	
Surrogate: 1-Chlorooctane			113 %	66.9-136		2030302	MS	03-Mar-22	8015B	
Surrogate: 1-Chlorooctadecane			110 %	59.5-142		2030302	MS	03-Mar-22	8015B	

VOLATILES BY GC/MS

Dichlorodifluoromethane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Chloromethane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Vinyl chloride*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Bromomethane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Chloroethane*	<0.250		0.250	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Trichlorofluoromethane*	<0.250		0.250	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Carbon disulfide*	<0.250		0.250	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,1-Dichloroethene*	<0.250		0.250	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Iodomethane	<0.250		0.250	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Acrolein*	<0.250		0.250	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Methylene chloride*	<0.500		0.500	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Acetone*	<0.250		0.250	mg/kg	50	2030203	MS	02-Mar-22	8260B	
trans-1,2-Dichloroethene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Methyl t-Butyl Ether*	<0.050		0.050	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,1-Dichloroethane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Acrylonitrile*	<0.050		0.050	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Vinyl acetate*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
cis-1,2-Dichloroethene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
2,2-Dichloropropane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ALTAMIRA - US 14229 PUNTA BONAIRE DR. CORPUS CHRISTI TX, 78418	Project: NOVO OVATION (OFFSITE) Project Number: NVONM2104 Project Manager: BRYAN HANEY Fax To:	Reported: 10-Mar-22 14:29
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**G- 20 (1-1.5')
H220827-05 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

VOLATILES BY GC/MS

Bromochloromethane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Chloroform*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Carbon tetrachloride*	<0.050		0.050	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,1,1-Trichloroethane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,1-Dichloropropene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
2-Butanone*	<0.050		0.050	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Benzene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,2-Dichloroethane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Trichloroethene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Dibromomethane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,2-Dichloropropane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Bromodichloromethane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
cis-1,3-Dichloropropene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Toluene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
4-Methyl-2-pentanone*	<0.050		0.050	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Tetrachloroethene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
trans-1,3-Dichloropropene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,1,2-Trichloroethane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Dibromochloromethane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,3-Dichloropropane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,2-Dibromoethane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
2-Hexanone*	<0.050		0.050	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Chlorobenzene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Ethylbenzene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,1,1,2-Tetrachloroethane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
m+p - Xylene*	<0.050		0.050	mg/kg	50	2030203	MS	02-Mar-22	8260B	
o-Xylene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Total Xylenes*	<0.050		0.050	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Bromoform*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ALTAMIRA - US 14229 PUNTA BONAIRE DR. CORPUS CHRISTI TX, 78418	Project: NOVO OVATION (OFFSITE) Project Number: NVONM2104 Project Manager: BRYAN HANEY Fax To:	Reported: 10-Mar-22 14:29
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**G- 20 (1-1.5')
H220827-05 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

VOLATILES BY GC/MS

Styrene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Isopropylbenzene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Bromobenzene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
n-Propylbenzene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,1,2,2-Tetrachloroethane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
2-Chlorotoluene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,2,3-trichloropropane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,3,5-Trimethylbenzene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
trans-1,4-Dichloro-2-butene	<0.250		0.250	mg/kg	50	2030203	MS	02-Mar-22	8260B	
4-Chlorotoluene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
tert-Butylbenzene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,2,4-Trimethylbenzene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
sec-Butylbenzene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
p-Isopropyltoluene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,3-Dichlorobenzene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,4 Dichlorobenzene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
n-Butylbenzene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,2-Dichlorobenzene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,2-Dibromo-3-chloropropane*	<0.250		0.250	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Hexachlorobutadiene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,2,4-Trichlorobenzene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Naphthalene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,2,3-Trichlorobenzene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,4-Dioxane	<6.25		6.25	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Surrogate: Dibromofluoromethane			98.0 %	84.6-114		2030203	MS	02-Mar-22	8260B	
Surrogate: Toluene-d8			101 %	90.4-109		2030203	MS	02-Mar-22	8260B	
Surrogate: 4-Bromofluorobenzene			100 %	82.5-117		2030203	MS	02-Mar-22	8260B	

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ALTAMIRA - US 14229 PUNTA BONAIRE DR. CORPUS CHRISTI TX, 78418	Project: NOVO OVATION (OFFSITE) Project Number: NVONM2104 Project Manager: BRYAN HANEY Fax To:	Reported: 10-Mar-22 14:29
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G- 19 (1-1.5')

H220827-06 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Chloride	64.0		16.0	mg/kg	4	2030316	GM	03-Mar-22	4500-Cl-B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	2030302	MS	03-Mar-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2030302	MS	03-Mar-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2030302	MS	03-Mar-22	8015B	
Surrogate: 1-Chlorooctane			119 %	66.9-136		2030302	MS	03-Mar-22	8015B	
Surrogate: 1-Chlorooctadecane			116 %	59.5-142		2030302	MS	03-Mar-22	8015B	

VOLATILES BY GC/MS

Dichlorodifluoromethane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Chloromethane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Vinyl chloride*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Bromomethane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Chloroethane*	<0.250		0.250	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Trichlorofluoromethane*	<0.250		0.250	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Carbon disulfide*	<0.250		0.250	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,1-Dichloroethene*	<0.250		0.250	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Iodomethane	<0.250		0.250	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Acrolein*	<0.250		0.250	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Methylene chloride*	<0.500		0.500	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Acetone*	<0.250		0.250	mg/kg	50	2030203	MS	02-Mar-22	8260B	
trans-1,2-Dichloroethene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Methyl t-Butyl Ether*	<0.050		0.050	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,1-Dichloroethane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Acrylonitrile*	<0.050		0.050	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Vinyl acetate*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
cis-1,2-Dichloroethene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
2,2-Dichloropropane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ALTAMIRA - US 14229 PUNTA BONAIRE DR. CORPUS CHRISTI TX, 78418	Project: NOVO OVATION (OFFSITE) Project Number: NVONM2104 Project Manager: BRYAN HANEY Fax To:	Reported: 10-Mar-22 14:29
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**G- 19 (1-1.5')
H220827-06 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

VOLATILES BY GC/MS

Bromochloromethane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Chloroform*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Carbon tetrachloride*	<0.050		0.050	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,1,1-Trichloroethane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,1-Dichloropropene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
2-Butanone*	<0.050		0.050	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Benzene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,2-Dichloroethane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Trichloroethene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Dibromomethane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,2-Dichloropropane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Bromodichloromethane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
cis-1,3-Dichloropropene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Toluene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
4-Methyl-2-pentanone*	<0.050		0.050	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Tetrachloroethene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
trans-1,3-Dichloropropene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,1,2-Trichloroethane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Dibromochloromethane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,3-Dichloropropane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,2-Dibromoethane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
2-Hexanone*	<0.050		0.050	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Chlorobenzene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Ethylbenzene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,1,1,2-Tetrachloroethane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
m+p - Xylene*	<0.050		0.050	mg/kg	50	2030203	MS	02-Mar-22	8260B	
o-Xylene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Total Xylenes*	<0.050		0.050	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Bromoform*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ALTAMIRA - US
14229 PUNTA BONAIRE DR.
CORPUS CHRISTI TX, 78418

Project: NOVO OVATION (OFFSITE)
Project Number: NVONM2104
Project Manager: BRYAN HANEY
Fax To:

Reported:
10-Mar-22 14:29

G- 19 (1-1.5')**H220827-06 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**VOLATILES BY GC/MS**

Styrene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Isopropylbenzene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Bromobenzene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
n-Propylbenzene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,1,2,2-Tetrachloroethane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
2-Chlorotoluene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,2,3-trichloropropane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,3,5-Trimethylbenzene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
trans-1,4-Dichloro-2-butene	<0.250		0.250	mg/kg	50	2030203	MS	02-Mar-22	8260B	
4-Chlorotoluene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
tert-Butylbenzene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,2,4-Trimethylbenzene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
sec-Butylbenzene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
p-Isopropyltoluene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,3-Dichlorobenzene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,4 Dichlorobenzene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
n-Butylbenzene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,2-Dichlorobenzene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,2-Dibromo-3-chloropropane*	<0.250		0.250	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Hexachlorobutadiene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,2,4-Trichlorobenzene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Naphthalene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,2,3-Trichlorobenzene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,4-Dioxane	<6.25		6.25	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Surrogate: Dibromofluoromethane			95.7 %	84.6-114		2030203	MS	02-Mar-22	8260B	
Surrogate: Toluene-d8			101 %	90.4-109		2030203	MS	02-Mar-22	8260B	
Surrogate: 4-Bromofluorobenzene			101 %	82.5-117		2030203	MS	02-Mar-22	8260B	

Cardinal Laboratories

* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ALTAMIRA - US
14229 PUNTA BONAIRE DR.
CORPUS CHRISTI TX, 78418

Project: NOVO OVATION (OFFSITE)
Project Number: NVONM2104
Project Manager: BRYAN HANEY
Fax To:

Reported:
10-Mar-22 14:29

G- 1 (1-1.5')**H220827-07 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	2030302	MS	03-Mar-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2030302	MS	03-Mar-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2030302	MS	03-Mar-22	8015B	
Surrogate: 1-Chlorooctane			130 %	66.9-136		2030302	MS	03-Mar-22	8015B	
Surrogate: 1-Chlorooctadecane			129 %	59.5-142		2030302	MS	03-Mar-22	8015B	

VOLATILES BY GC/MS

Dichlorodifluoromethane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Chloromethane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Vinyl chloride*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Bromomethane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Chloroethane*	<0.250		0.250	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Trichlorofluoromethane*	<0.250		0.250	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,1-Dichloroethene*	<0.250		0.250	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Carbon disulfide*	<0.250		0.250	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Iodomethane	<0.250		0.250	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Acrolein*	<0.250		0.250	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Methylene chloride*	<0.500		0.500	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Acetone*	<0.250		0.250	mg/kg	50	2030203	MS	02-Mar-22	8260B	
trans-1,2-Dichloroethene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Methyl t-Butyl Ether*	<0.050		0.050	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,1-Dichloroethane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Acrylonitrile*	<0.050		0.050	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Vinyl acetate*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
cis-1,2-Dichloroethene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
2,2-Dichloropropane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Bromochloromethane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Chloroform*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Carbon tetrachloride*	<0.050		0.050	mg/kg	50	2030203	MS	02-Mar-22	8260B	

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ALTAMIRA - US
14229 PUNTA BONAIRE DR.
CORPUS CHRISTI TX, 78418

Project: NOVO OVATION (OFFSITE)
Project Number: NVONM2104
Project Manager: BRYAN HANEY
Fax To:

Reported:
10-Mar-22 14:29

G-1 (1-1.5')**H220827-07 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**VOLATILES BY GC/MS**

1,1,1-Trichloroethane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,1-Dichloropropene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
2-Butanone*	<0.050		0.050	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Benzene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,2-Dichloroethane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Trichloroethene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Dibromomethane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,2-Dichloropropane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Bromodichloromethane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
cis-1,3-Dichloropropene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Toluene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
4-Methyl-2-pentanone*	<0.050		0.050	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Tetrachloroethene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
trans-1,3-Dichloropropene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,1,2-Trichloroethane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Dibromochloromethane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,3-Dichloropropane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,2-Dibromoethane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
2-Hexanone*	<0.050		0.050	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Chlorobenzene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Ethylbenzene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,1,1,2-Tetrachloroethane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
m+p - Xylene*	<0.050		0.050	mg/kg	50	2030203	MS	02-Mar-22	8260B	
o-Xylene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Total Xylenes*	<0.050		0.050	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Bromoform*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Styrene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Isopropylbenzene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Bromobenzene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	

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* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ALTAMIRA - US 14229 PUNTA BONAIRE DR. CORPUS CHRISTI TX, 78418	Project: NOVO OVATION (OFFSITE) Project Number: NVONM2104 Project Manager: BRYAN HANEY Fax To:	Reported: 10-Mar-22 14:29
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**G- 1 (1-1.5')
H220827-07 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

VOLATILES BY GC/MS

n-Propylbenzene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,1,2,2-Tetrachloroethane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
2-Chlorotoluene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,2,3-trichloropropane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,3,5-Trimethylbenzene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
trans-1,4-Dichloro-2-butene	<0.250		0.250	mg/kg	50	2030203	MS	02-Mar-22	8260B	
4-Chlorotoluene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
tert-Butylbenzene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,2,4-Trimethylbenzene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
sec-Butylbenzene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
p-Isopropyltoluene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,3-Dichlorobenzene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,4 Dichlorobenzene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
n-Butylbenzene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,2-Dichlorobenzene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,2-Dibromo-3-chloropropane*	<0.250		0.250	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Hexachlorobutadiene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,2,4-Trichlorobenzene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Naphthalene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,2,3-Trichlorobenzene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,4-Dioxane	<6.25		6.25	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Surrogate: Dibromofluoromethane			99.5 %	84.6-114		2030203	MS	02-Mar-22	8260B	
Surrogate: Toluene-d8			83.6 %	90.4-109		2030203	MS	02-Mar-22	8260B	
Surrogate: 4-Bromofluorobenzene			101 %	82.5-117		2030203	MS	02-Mar-22	8260B	

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ALTAMIRA - US
14229 PUNTA BONAIRE DR.
CORPUS CHRISTI TX, 78418

Project: NOVO OVATION (OFFSITE)
Project Number: NVONM2104
Project Manager: BRYAN HANEY
Fax To:

Reported:
10-Mar-22 14:29

G- 01 (1-1.5')**H220827-08 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	2030302	MS	03-Mar-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2030302	MS	03-Mar-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2030302	MS	03-Mar-22	8015B	
Surrogate: 1-Chlorooctane			120 %	66.9-136		2030302	MS	03-Mar-22	8015B	
Surrogate: 1-Chlorooctadecane			118 %	59.5-142		2030302	MS	03-Mar-22	8015B	

VOLATILES BY GC/MS

Dichlorodifluoromethane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Chloromethane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Vinyl chloride*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Bromomethane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Chloroethane*	<0.250		0.250	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Trichlorofluoromethane*	<0.250		0.250	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Carbon disulfide*	<0.250		0.250	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,1-Dichloroethene*	<0.250		0.250	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Iodomethane	<0.250		0.250	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Acrolein*	<0.250		0.250	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Methylene chloride*	<0.500		0.500	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Acetone*	<0.250		0.250	mg/kg	50	2030203	MS	02-Mar-22	8260B	
trans-1,2-Dichloroethene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Methyl t-Butyl Ether*	<0.050		0.050	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,1-Dichloroethane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Acrylonitrile*	<0.050		0.050	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Vinyl acetate*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
cis-1,2-Dichloroethene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
2,2-Dichloropropane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Bromochloromethane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Chloroform*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Carbon tetrachloride*	<0.050		0.050	mg/kg	50	2030203	MS	02-Mar-22	8260B	

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* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ALTAMIRA - US 14229 PUNTA BONAIRE DR. CORPUS CHRISTI TX, 78418	Project: NOVO OVATION (OFFSITE) Project Number: NVONM2104 Project Manager: BRYAN HANEY Fax To:	Reported: 10-Mar-22 14:29
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**G- 01 (1-1.5')
H220827-08 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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VOLATILES BY GC/MS

1,1,1-Trichloroethane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,1-Dichloropropane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
2-Butanone*	<0.050		0.050	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Benzene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,2-Dichloroethane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Trichloroethene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Dibromomethane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,2-Dichloropropane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Bromodichloromethane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
cis-1,3-Dichloropropene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Toluene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
4-Methyl-2-pentanone*	<0.050		0.050	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Tetrachloroethene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
trans-1,3-Dichloropropene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,1,2-Trichloroethane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Dibromochloromethane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,3-Dichloropropane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,2-Dibromoethane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
2-Hexanone*	<0.050		0.050	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Chlorobenzene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Ethylbenzene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,1,1,2-Tetrachloroethane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
m+p - Xylene*	<0.050		0.050	mg/kg	50	2030203	MS	02-Mar-22	8260B	
o-Xylene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Total Xylenes*	<0.050		0.050	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Bromoform*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Styrene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Isopropylbenzene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Bromobenzene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ALTAMIRA - US 14229 PUNTA BONAIRE DR. CORPUS CHRISTI TX, 78418	Project: NOVO OVATION (OFFSITE) Project Number: NVONM2104 Project Manager: BRYAN HANEY Fax To:	Reported: 10-Mar-22 14:29
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G- 01 (1-1.5')

H220827-08 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

VOLATILES BY GC/MS

n-Propylbenzene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,1,2,2-Tetrachloroethane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
2-Chlorotoluene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,2,3-trichloropropane*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,3,5-Trimethylbenzene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
trans-1,4-Dichloro-2-butene	<0.250		0.250	mg/kg	50	2030203	MS	02-Mar-22	8260B	
4-Chlorotoluene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
tert-Butylbenzene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,2,4-Trimethylbenzene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
sec-Butylbenzene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
p-Isopropyltoluene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,3-Dichlorobenzene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,4 Dichlorobenzene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
n-Butylbenzene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,2-Dichlorobenzene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,2-Dibromo-3-chloropropane*	<0.250		0.250	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Hexachlorobutadiene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,2,4-Trichlorobenzene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Naphthalene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,2,3-Trichlorobenzene*	<0.025		0.025	mg/kg	50	2030203	MS	02-Mar-22	8260B	
1,4-Dioxane	<6.25		6.25	mg/kg	50	2030203	MS	02-Mar-22	8260B	
Surrogate: Dibromofluoromethane			81.5 %	84.6-114		2030203	MS	02-Mar-22	8260B	S-04
Surrogate: Toluene-d8			101 %	90.4-109		2030203	MS	02-Mar-22	8260B	
Surrogate: 4-Bromofluorobenzene			99.3 %	82.5-117		2030203	MS	02-Mar-22	8260B	

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ALTAMIRA - US 14229 PUNTA BONAIRE DR. CORPUS CHRISTI TX, 78418	Project: NOVO OVATION (OFFSITE) Project Number: NVONM2104 Project Manager: BRYAN HANEY Fax To:	Reported: 10-Mar-22 14:29
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**G- 3 (1-1.5')
H220827-09 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	2030302	MS	03-Mar-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2030302	MS	03-Mar-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2030302	MS	03-Mar-22	8015B	
Surrogate: 1-Chlorooctane			120 %	66.9-136		2030302	MS	03-Mar-22	8015B	
Surrogate: 1-Chlorooctadecane			119 %	59.5-142		2030302	MS	03-Mar-22	8015B	

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Analytical Results For:

ALTAMIRA - US 14229 PUNTA BONAIRE DR. CORPUS CHRISTI TX, 78418	Project: NOVO OVATION (OFFSITE) Project Number: NVONM2104 Project Manager: BRYAN HANEY Fax To:	Reported: 10-Mar-22 14:29
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Inorganic Compounds - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 2030316 - 1:4 DI Water										
Blank (2030316-BLK1)										
Prepared & Analyzed: 03-Mar-22										
Chloride	ND	16.0	mg/kg							
LCS (2030316-BS1)										
Prepared & Analyzed: 03-Mar-22										
Chloride	432	16.0	mg/kg	400		108	80-120			
LCS Dup (2030316-BSD1)										
Prepared & Analyzed: 03-Mar-22										
Chloride	400	16.0	mg/kg	400		100	80-120	7.69	20	

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Analytical Results For:

ALTAMIRA - US 14229 PUNTA BONAIRE DR. CORPUS CHRISTI TX, 78418	Project: NOVO OVATION (OFFSITE) Project Number: NVONM2104 Project Manager: BRYAN HANEY Fax To:	Reported: 10-Mar-22 14:29
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Petroleum Hydrocarbons by GC FID - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 2030302 - General Prep - Organics

Blank (2030302-BLK1) Prepared & Analyzed: 03-Mar-22

GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
<i>Surrogate: 1-Chlorooctane</i>	61.7		mg/kg	50.0		123	66.9-136			
<i>Surrogate: 1-Chlorooctadecane</i>	60.6		mg/kg	50.0		121	59.5-142			

LCS (2030302-BS1) Prepared & Analyzed: 03-Mar-22

GRO C6-C10	219	10.0	mg/kg	200		109	81.6-129			
DRO >C10-C28	241	10.0	mg/kg	200		121	83-129			
Total TPH C6-C28	460	10.0	mg/kg	400		115	84.5-127			
<i>Surrogate: 1-Chlorooctane</i>	63.4		mg/kg	50.0		127	66.9-136			
<i>Surrogate: 1-Chlorooctadecane</i>	60.6		mg/kg	50.0		121	59.5-142			

LCS Dup (2030302-BSD1) Prepared & Analyzed: 03-Mar-22

GRO C6-C10	215	10.0	mg/kg	200		107	81.6-129	1.81	21.4	
DRO >C10-C28	210	10.0	mg/kg	200		105	83-129	14.0	17.9	
Total TPH C6-C28	424	10.0	mg/kg	400		106	84.5-127	8.03	17.6	
<i>Surrogate: 1-Chlorooctane</i>	64.4		mg/kg	50.0		129	66.9-136			
<i>Surrogate: 1-Chlorooctadecane</i>	61.4		mg/kg	50.0		123	59.5-142			

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Analytical Results For:

ALTAMIRA - US 14229 PUNTA BONAIRE DR. CORPUS CHRISTI TX, 78418	Project: NOVO OVATION (OFFSITE) Project Number: NVONM2104 Project Manager: BRYAN HANEY Fax To:	Reported: 10-Mar-22 14:29
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VOLATILES BY GC/MS - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 2030203 - Volatiles

Blank (2030203-BLK1)

Prepared & Analyzed: 02-Mar-22

Dichlorodifluoromethane	ND	0.025	mg/kg							
Chloromethane	ND	0.025	mg/kg							
Vinyl chloride	ND	0.025	mg/kg							
Bromomethane	ND	0.025	mg/kg							
Chloroethane	ND	0.250	mg/kg							
Trichlorofluoromethane	ND	0.250	mg/kg							
1,1-Dichloroethene	ND	0.250	mg/kg							
Carbon disulfide	ND	0.250	mg/kg							
Iodomethane	ND	0.250	mg/kg							
Acrolein	ND	0.250	mg/kg							
Methylene chloride	ND	0.500	mg/kg							
Acetone	ND	0.250	mg/kg							
trans-1,2-Dichloroethene	ND	0.025	mg/kg							
Methyl t-Butyl Ether	ND	0.050	mg/kg							
1,1-Dichloroethane	ND	0.025	mg/kg							
Acrylonitrile	ND	0.050	mg/kg							
Vinyl acetate	ND	0.025	mg/kg							
cis-1,2-Dichloroethene	ND	0.025	mg/kg							
2,2-Dichloropropane	ND	0.025	mg/kg							
Bromochloromethane	ND	0.025	mg/kg							
Chloroform	ND	0.025	mg/kg							
Carbon tetrachloride	ND	0.050	mg/kg							
1,1,1-Trichloroethane	ND	0.025	mg/kg							
1,1-Dichloropropene	ND	0.025	mg/kg							
2-Butanone	ND	0.050	mg/kg							
Benzene	ND	0.025	mg/kg							
1,2-Dichloroethane	ND	0.025	mg/kg							
Trichloroethene	ND	0.025	mg/kg							
Dibromomethane	ND	0.025	mg/kg							
1,2-Dichloropropane	ND	0.025	mg/kg							
Bromodichloromethane	ND	0.025	mg/kg							
cis-1,3-Dichloropropene	ND	0.025	mg/kg							

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Analytical Results For:

ALTAMIRA - US 14229 PUNTA BONAIRE DR. CORPUS CHRISTI TX, 78418	Project: NOVO OVATION (OFFSITE) Project Number: NVONM2104 Project Manager: BRYAN HANEY Fax To:	Reported: 10-Mar-22 14:29
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VOLATILES BY GC/MS - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 2030203 - Volatiles

Blank (2030203-BLK1)

Prepared & Analyzed: 02-Mar-22

Toluene	ND	0.025	mg/kg							
4-Methyl-2-pentanone	ND	0.050	mg/kg							
Tetrachloroethene	ND	0.025	mg/kg							
trans-1,3-Dichloropropene	ND	0.025	mg/kg							
1,1,2-Trichloroethane	ND	0.025	mg/kg							
Dibromochloromethane	ND	0.025	mg/kg							
1,3-Dichloropropane	ND	0.025	mg/kg							
1,2-Dibromoethane	ND	0.025	mg/kg							
2-Hexanone	ND	0.050	mg/kg							
Chlorobenzene	ND	0.025	mg/kg							
Ethylbenzene	ND	0.025	mg/kg							
1,1,1,2-Tetrachloroethane	ND	0.025	mg/kg							
m+p - Xylene	ND	0.050	mg/kg							
Total Xylenes	ND	0.050	mg/kg							
o-Xylene	ND	0.025	mg/kg							
Bromoform	ND	0.025	mg/kg							
Styrene	ND	0.025	mg/kg							
Isopropylbenzene	ND	0.025	mg/kg							
Bromobenzene	ND	0.025	mg/kg							
n-Propylbenzene	ND	0.025	mg/kg							
1,1,2,2-Tetrachloroethane	ND	0.025	mg/kg							
2-Chlorotoluene	ND	0.025	mg/kg							
1,2,3-trichloropropane	ND	0.025	mg/kg							
1,3,5-Trimethylbenzene	ND	0.025	mg/kg							
trans-1,4-Dichloro-2-butene	ND	0.250	mg/kg							
4-Chlorotoluene	ND	0.025	mg/kg							
tert-Butylbenzene	ND	0.025	mg/kg							
1,2,4-Trimethylbenzene	ND	0.025	mg/kg							
sec-Butylbenzene	ND	0.025	mg/kg							
p-Isopropyltoluene	ND	0.025	mg/kg							
1,3-Dichlorobenzene	ND	0.025	mg/kg							
1,4 Dichlorobenzene	ND	0.025	mg/kg							

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Analytical Results For:

ALTAMIRA - US 14229 PUNTA BONAIRE DR. CORPUS CHRISTI TX, 78418	Project: NOVO OVATION (OFFSITE) Project Number: NVONM2104 Project Manager: BRYAN HANEY Fax To:	Reported: 10-Mar-22 14:29
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VOLATILES BY GC/MS - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 2030203 - Volatiles

Blank (2030203-BLK1)

Prepared & Analyzed: 02-Mar-22

n-Butylbenzene	ND	0.025	mg/kg							
1,2-Dichlorobenzene	ND	0.025	mg/kg							
1,2-Dibromo-3-chloropropane	ND	0.250	mg/kg							
Hexachlorobutadiene	ND	0.025	mg/kg							
1,2,4-Trichlorobenzene	ND	0.025	mg/kg							
Naphthalene	ND	0.025	mg/kg							
1,2,3-Trichlorobenzene	ND	0.025	mg/kg							
1,4-Dioxane	ND	6.25	mg/kg							
Surrogate: Dibromofluoromethane	1.23		mg/kg	1.25		98.3	84.6-114			
Surrogate: Toluene-d8	1.27		mg/kg	1.25		102	90.4-109			
Surrogate: 4-Bromofluorobenzene	1.16		mg/kg	1.25		93.1	82.5-117			

LCS (2030203-BS1)

Prepared & Analyzed: 02-Mar-22

Dichlorodifluoromethane	0.293	0.025	mg/kg	0.500		58.6	4.03-173			
Chloromethane	0.452	0.025	mg/kg	0.500		90.4	52.6-147			
Vinyl chloride	0.396	0.025	mg/kg	0.500		79.2	57.3-152			
Bromomethane	0.436	0.025	mg/kg	0.500		87.1	16.8-174			
Chloroethane	0.412	0.250	mg/kg	0.500		82.5	14.2-203			
Trichlorofluoromethane	0.367	0.250	mg/kg	0.500		73.5	-18.7-214			
1,1-Dichloroethene	0.429	0.250	mg/kg	0.500		85.8	30.5-180			
Carbon disulfide	0.866	0.250	mg/kg	1.00		86.6	43.8-148			
Iodomethane	0.830	0.250	mg/kg	1.00		83.0	45.2-157			
Acrolein	3.69	0.250	mg/kg	5.00		73.8	-46.2-174			
Methylene chloride	0.521	0.500	mg/kg	0.500		104	31.5-204			
Acetone	1.19	0.250	mg/kg	1.00		119	14.7-198			
trans-1,2-Dichloroethene	0.481	0.025	mg/kg	0.500		96.2	56.4-152			
Methyl t-Butyl Ether	0.842	0.050	mg/kg	1.00		84.2	42.7-160			
1,1-Dichloroethane	0.476	0.025	mg/kg	0.500		95.2	79.2-128			
Acrylonitrile	1.06	0.050	mg/kg	1.00		106	64.8-130			
Vinyl acetate	0.387	0.025	mg/kg	0.500		77.5	62.2-134			
cis-1,2-Dichloroethene	0.509	0.025	mg/kg	0.500		102	78.9-127			
2,2-Dichloropropane	0.412	0.025	mg/kg	0.500		82.4	69.4-140			

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ALTAMIRA - US
14229 PUNTA BONAIRE DR.
CORPUS CHRISTI TX, 78418

Project: NOVO OVATION (OFFSITE)
Project Number: NVONM2104
Project Manager: BRYAN HANEY
Fax To:

Reported:
10-Mar-22 14:29

VOLATILES BY GC/MS - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 2030203 - Volatiles**LCS (2030203-BS1)**

Prepared & Analyzed: 02-Mar-22

Bromochloromethane	0.483	0.025	mg/kg	0.500		96.6	69.4-131			
Chloroform	0.500	0.025	mg/kg	0.500		100	70.6-131			
Carbon tetrachloride	0.473	0.050	mg/kg	0.500		94.7	54.7-158			
1,1,1-Trichloroethane	0.474	0.025	mg/kg	0.500		94.9	70.2-141			
1,1-Dichloropropene	0.493	0.025	mg/kg	0.500		98.7	73.5-137			
2-Butanone	0.958	0.050	mg/kg	1.00		95.8	56-139			
Benzene	0.504	0.025	mg/kg	0.500		101	73-130			
1,2-Dichloroethane	0.468	0.025	mg/kg	0.500		93.6	63.5-141			
Trichloroethene	0.488	0.025	mg/kg	0.500		97.7	80.2-122			
Dibromomethane	0.439	0.025	mg/kg	0.500		87.8	68.6-130			
1,2-Dichloropropane	0.495	0.025	mg/kg	0.500		99.1	71.3-132			
Bromodichloromethane	0.477	0.025	mg/kg	0.500		95.4	70.7-131			
cis-1,3-Dichloropropene	0.492	0.025	mg/kg	0.500		98.3	84.9-119			
Toluene	0.490	0.025	mg/kg	0.500		98.0	79-122			
4-Methyl-2-pentanone	0.996	0.050	mg/kg	1.00		99.6	61.6-129			
Tetrachloroethene	0.481	0.025	mg/kg	0.500		96.2	55.7-160			
trans-1,3-Dichloropropene	0.510	0.025	mg/kg	0.500		102	79.4-121			
1,1,2-Trichloroethane	0.475	0.025	mg/kg	0.500		95.0	63.6-133			
Dibromochloromethane	0.480	0.025	mg/kg	0.500		96.0	73.9-125			
1,3-Dichloropropane	0.493	0.025	mg/kg	0.500		98.5	76.6-124			
1,2-Dibromoethane	0.472	0.025	mg/kg	0.500		94.4	77.1-119			
2-Hexanone	0.903	0.050	mg/kg	1.00		90.3	59.5-132			
Chlorobenzene	0.501	0.025	mg/kg	0.500		100	87.1-116			
Ethylbenzene	0.513	0.025	mg/kg	0.500		103	75.4-127			
1,1,1,2-Tetrachloroethane	0.478	0.025	mg/kg	0.500		95.7	79.8-123			
m+p - Xylene	1.04	0.050	mg/kg	1.00		104	71.8-133			
o-Xylene	0.511	0.025	mg/kg	0.500		102	78.6-125			
Total Xylenes	1.55	0.050	mg/kg	1.50		103	74.6-130			
Bromoform	0.458	0.025	mg/kg	0.500		91.5	58.6-143			
Styrene	0.493	0.025	mg/kg	0.500		98.7	85.7-121			
Isopropylbenzene	0.529	0.025	mg/kg	0.500		106	71.7-137			
Bromobenzene	0.486	0.025	mg/kg	0.500		97.1	84.8-114			

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ALTAMIRA - US
14229 PUNTA BONAIRE DR.
CORPUS CHRISTI TX, 78418

Project: NOVO OVATION (OFFSITE)
Project Number: NVONM2104
Project Manager: BRYAN HANEY
Fax To:

Reported:
10-Mar-22 14:29

VOLATILES BY GC/MS - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 2030203 - Volatiles**LCS (2030203-BS1)**

Prepared & Analyzed: 02-Mar-22

n-Propylbenzene	0.504	0.025	mg/kg	0.500		101	52.9-144			
1,1,2,2-Tetrachloroethane	0.454	0.025	mg/kg	0.500		90.8	63.2-124			
2-Chlorotoluene	0.487	0.025	mg/kg	0.500		97.5	74.8-126			
1,2,3-trichloropropane	0.569	0.025	mg/kg	0.500		114	53-140			
1,3,5-Trimethylbenzene	0.501	0.025	mg/kg	0.500		100	64.4-138			
trans-1,4-Dichloro-2-butene	0.918	0.250	mg/kg	1.00		91.8	-15.6-219			
4-Chlorotoluene	0.497	0.025	mg/kg	0.500		99.5	68.4-135			
tert-Butylbenzene	0.487	0.025	mg/kg	0.500		97.5	62.1-139			
1,2,4-Trimethylbenzene	0.518	0.025	mg/kg	0.500		104	62.4-140			
sec-Butylbenzene	0.514	0.025	mg/kg	0.500		103	61.9-148			
p-Isopropyltoluene	0.509	0.025	mg/kg	0.500		102	56.9-141			
1,3-Dichlorobenzene	0.472	0.025	mg/kg	0.500		94.4	74.7-123			
1,4 Dichlorobenzene	0.474	0.025	mg/kg	0.500		94.8	75.2-120			
n-Butylbenzene	0.465	0.025	mg/kg	0.500		92.9	41.1-164			
1,2-Dichlorobenzene	0.470	0.025	mg/kg	0.500		94.0	80.8-114			
1,2-Dibromo-3-chloropropane	0.421	0.250	mg/kg	0.500		84.2	51.1-134			
Hexachlorobutadiene	0.551	0.025	mg/kg	0.500		110	13.4-183			
1,2,4-Trichlorobenzene	0.477	0.025	mg/kg	0.500		95.3	39.7-150			
Naphthalene	0.432	0.025	mg/kg	0.500		86.4	28.7-158			
1,2,3-Trichlorobenzene	0.483	0.025	mg/kg	0.500		96.7	13.8-171			
1,4-Dioxane	11.0	6.25	mg/kg	10.0		110	47.3-105			BS-3
Surrogate: Dibromofluoromethane	1.25		mg/kg	1.25		99.7	84.6-114			
Surrogate: Toluene-d8	1.26		mg/kg	1.25		101	90.4-109			
Surrogate: 4-Bromofluorobenzene	1.29		mg/kg	1.25		103	82.5-117			

LCS Dup (2030203-BSD1)

Prepared & Analyzed: 02-Mar-22

Dichlorodifluoromethane	0.293	0.025	mg/kg	0.500		58.7	4.03-173	0.109	41.1	
Chloromethane	0.454	0.025	mg/kg	0.500		90.9	52.6-147	0.461	22.8	
Vinyl chloride	0.404	0.025	mg/kg	0.500		80.8	57.3-152	1.94	27.7	
Bromomethane	0.416	0.025	mg/kg	0.500		83.3	16.8-174	4.50	23.5	
Chloroethane	0.385	0.250	mg/kg	0.500		77.1	14.2-203	6.78	27.5	
Trichlorofluoromethane	0.351	0.250	mg/kg	0.500		70.3	-18.7-214	4.44	61.9	

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ALTAMIRA - US
14229 PUNTA BONAIRE DR.
CORPUS CHRISTI TX, 78418

Project: NOVO OVATION (OFFSITE)
Project Number: NVONM2104
Project Manager: BRYAN HANEY
Fax To:

Reported:
10-Mar-22 14:29

VOLATILES BY GC/MS - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 2030203 - Volatiles**LCS Dup (2030203-BSD1)**

Prepared & Analyzed: 02-Mar-22

1,1-Dichloroethene	0.393	0.250	mg/kg	0.500		78.5	30.5-180	8.86	26.1	
Carbon disulfide	0.800	0.250	mg/kg	1.00		80.0	43.8-148	7.90	25.9	
Iodomethane	0.789	0.250	mg/kg	1.00		78.9	45.2-157	5.08	19.7	
Acrolein	3.51	0.250	mg/kg	5.00		70.1	-46.2-174	5.14	25.5	
Methylene chloride	0.520	0.500	mg/kg	0.500		104	31.5-204	0.0788	45.3	
Acetone	1.14	0.250	mg/kg	1.00		114	14.7-198	4.31	171	
trans-1,2-Dichloroethene	0.468	0.025	mg/kg	0.500		93.6	56.4-152	2.77	22.7	
Methyl t-Butyl Ether	0.896	0.050	mg/kg	1.00		89.6	42.7-160	6.25	31.5	
1,1-Dichloroethane	0.479	0.025	mg/kg	0.500		95.8	79.2-128	0.649	17.9	
Acrylonitrile	1.01	0.050	mg/kg	1.00		101	64.8-130	4.69	17	
Vinyl acetate	0.380	0.025	mg/kg	0.500		76.0	62.2-134	1.94	20.1	
cis-1,2-Dichloroethene	0.489	0.025	mg/kg	0.500		97.8	78.9-127	3.98	16.5	
2,2-Dichloropropane	0.430	0.025	mg/kg	0.500		85.9	69.4-140	4.20	20.4	
Bromochloromethane	0.486	0.025	mg/kg	0.500		97.2	69.4-131	0.598	19.5	
Chloroform	0.491	0.025	mg/kg	0.500		98.2	70.6-131	1.80	16.7	
Carbon tetrachloride	0.464	0.050	mg/kg	0.500		92.8	54.7-158	2.01	22.2	
1,1,1-Trichloroethane	0.482	0.025	mg/kg	0.500		96.5	70.2-141	1.67	22.1	
1,1-Dichloropropene	0.495	0.025	mg/kg	0.500		99.1	73.5-137	0.368	32.2	
2-Butanone	0.919	0.050	mg/kg	1.00		91.9	56-139	4.15	27.1	
Benzene	0.504	0.025	mg/kg	0.500		101	73-130	0.0476	17.1	
1,2-Dichloroethane	0.468	0.025	mg/kg	0.500		93.7	63.5-141	0.0726	16.4	
Trichloroethene	0.486	0.025	mg/kg	0.500		97.2	80.2-122	0.441	19.9	
Dibromomethane	0.448	0.025	mg/kg	0.500		89.6	68.6-130	2.05	17.2	
1,2-Dichloropropane	0.501	0.025	mg/kg	0.500		100	71.3-132	1.20	14.6	
Bromodichloromethane	0.464	0.025	mg/kg	0.500		92.9	70.7-131	2.67	16.3	
cis-1,3-Dichloropropene	0.476	0.025	mg/kg	0.500		95.1	84.9-119	3.35	11.8	
Toluene	0.480	0.025	mg/kg	0.500		96.0	79-122	2.09	18.3	
4-Methyl-2-pentanone	0.960	0.050	mg/kg	1.00		96.0	61.6-129	3.61	18.1	
Tetrachloroethene	0.485	0.025	mg/kg	0.500		97.1	55.7-160	0.873	41.8	
trans-1,3-Dichloropropene	0.513	0.025	mg/kg	0.500		103	79.4-121	0.507	15.3	
1,1,2-Trichloroethane	0.468	0.025	mg/kg	0.500		93.6	63.6-133	1.48	32.9	
Dibromochloromethane	0.459	0.025	mg/kg	0.500		91.7	73.9-125	4.59	12.9	

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ALTAMIRA - US 14229 PUNTA BONAIRE DR. CORPUS CHRISTI TX, 78418	Project: NOVO OVATION (OFFSITE) Project Number: NVONM2104 Project Manager: BRYAN HANEY Fax To:	Reported: 10-Mar-22 14:29
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VOLATILES BY GC/MS - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 2030203 - Volatiles

LCS Dup (2030203-BSD1)

Prepared & Analyzed: 02-Mar-22

1,3-Dichloropropane	0.488	0.025	mg/kg	0.500		97.6	76.6-124	0.997	13.1	
1,2-Dibromoethane	0.495	0.025	mg/kg	0.500		99.0	77.1-119	4.75	13.7	
2-Hexanone	0.863	0.050	mg/kg	1.00		86.3	59.5-132	4.47	22.2	
Chlorobenzene	0.500	0.025	mg/kg	0.500		100	87.1-116	0.210	11.3	
Ethylbenzene	0.514	0.025	mg/kg	0.500		103	75.4-127	0.0526	16.5	
1,1,1,2-Tetrachloroethane	0.476	0.025	mg/kg	0.500		95.1	79.8-123	0.583	10.8	
m+p - Xylene	1.03	0.050	mg/kg	1.00		103	71.8-133	0.592	19.1	
o-Xylene	0.507	0.025	mg/kg	0.500		101	78.6-125	0.776	13.2	
Total Xylenes	1.54	0.050	mg/kg	1.50		103	74.6-130	0.653	16.5	
Bromoform	0.423	0.025	mg/kg	0.500		84.5	58.6-143	7.92	12.9	
Styrene	0.458	0.025	mg/kg	0.500		91.7	85.7-121	7.33	11.5	
Isopropylbenzene	0.527	0.025	mg/kg	0.500		105	71.7-137	0.250	25.2	
Bromobenzene	0.472	0.025	mg/kg	0.500		94.3	84.8-114	2.92	14.6	
n-Propylbenzene	0.487	0.025	mg/kg	0.500		97.4	52.9-144	3.34	57.4	
1,1,2,2-Tetrachloroethane	0.447	0.025	mg/kg	0.500		89.4	63.2-124	1.57	14.4	
2-Chlorotoluene	0.487	0.025	mg/kg	0.500		97.4	74.8-126	0.150	26	
1,2,3-trichloropropane	0.516	0.025	mg/kg	0.500		103	53-140	9.87	30.1	
1,3,5-Trimethylbenzene	0.489	0.025	mg/kg	0.500		97.9	64.4-138	2.41	39.1	
trans-1,4-Dichloro-2-butene	0.616	0.250	mg/kg	1.00		61.6	-15.6-219	39.4	162	
4-Chlorotoluene	0.482	0.025	mg/kg	0.500		96.5	68.4-135	3.08	29.2	
tert-Butylbenzene	0.474	0.025	mg/kg	0.500		94.8	62.1-139	2.77	30.4	
1,2,4-Trimethylbenzene	0.501	0.025	mg/kg	0.500		100	62.4-140	3.36	38.2	
sec-Butylbenzene	0.498	0.025	mg/kg	0.500		99.6	61.9-148	3.17	60.1	
p-Isopropyltoluene	0.495	0.025	mg/kg	0.500		99.1	56.9-141	2.69	67.5	
1,3-Dichlorobenzene	0.466	0.025	mg/kg	0.500		93.1	74.7-123	1.42	28.6	
1,4 Dichlorobenzene	0.462	0.025	mg/kg	0.500		92.5	75.2-120	2.50	28.8	
n-Butylbenzene	0.446	0.025	mg/kg	0.500		89.2	41.1-164	4.04	91.5	
1,2-Dichlorobenzene	0.466	0.025	mg/kg	0.500		93.3	80.8-114	0.801	15.8	
1,2-Dibromo-3-chloropropane	0.405	0.250	mg/kg	0.500		81.0	51.1-134	3.90	29.5	
Hexachlorobutadiene	0.524	0.025	mg/kg	0.500		105	13.4-183	4.99	105	
1,2,4-Trichlorobenzene	0.435	0.025	mg/kg	0.500		86.9	39.7-150	9.21	65.9	
Naphthalene	0.404	0.025	mg/kg	0.500		80.8	28.7-158	6.60	64	

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ALTAMIRA - US 14229 PUNTA BONAIRE DR. CORPUS CHRISTI TX, 78418	Project: NOVO OVATION (OFFSITE) Project Number: NVONM2104 Project Manager: BRYAN HANEY Fax To:	Reported: 10-Mar-22 14:29
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VOLATILES BY GC/MS - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 2030203 - Volatiles

LCS Dup (2030203-BSD1)

Prepared & Analyzed: 02-Mar-22

1,2,3-Trichlorobenzene	0.440	0.025	mg/kg	0.500		88.0	13.8-171	9.35	65.2	
1,4-Dioxane	10.4	6.25	mg/kg	10.0		104	47.3-105	5.48	72.3	
Surrogate: Dibromofluoromethane	1.23		mg/kg	1.25		98.4	84.6-114			
Surrogate: Toluene-d8	1.28		mg/kg	1.25		102	90.4-109			
Surrogate: 4-Bromofluorobenzene	1.29		mg/kg	1.25		103	82.5-117			

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

- S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
BS-3 Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.
ND Analyte NOT DETECTED at or above the reporting limit
RPD Relative Percent Difference
** Samples not received at proper temperature of 6°C or below.
*** Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

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Celest D. Keene

Celey D. Keene, Lab Director/Quality Manager



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

March 10, 2022

BRIAN HANEY

ALTAMIRA - US

14229 PUNTA BONAIRE DR.

CORPUS CHRISTI, TX 78418

RE: NOVO OVATION (OFFSITE)

Enclosed are the results of analyses for samples received by the laboratory on 03/03/22 16:50.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/ga/lab_accred_certif.html.

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

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

Cardinal Laboratories is accredited through the State of New Mexico Environment Department for:

Method SM 9223-B	Total Coliform and E. coli (Colilert MMO-MUG)
Method EPA 524.2	Regulated VOCs and Total Trihalomethanes (TTHM)
Method EPA 552.2	Total Haloacetic Acids (HAA-5)

Accreditation applies to public drinking water matrices for State of Colorado and New Mexico.

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

ALTAMIRA - US 14229 PUNTA BONAIRE DR. CORPUS CHRISTI TX, 78418	Project: NOVO OVATION (OFFSITE) Project Number: NVONM2104 Project Manager: BRIAN HANEY Fax To:	Reported: 10-Mar-22 14:17
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Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
G- 7 (1-1.5')	H220848-01	Soil	03-Mar-22 13:23	03-Mar-22 16:50
G- 4 (1-1.5')	H220848-02	Soil	03-Mar-22 14:44	03-Mar-22 16:50
G- 04 (1-1.5')	H220848-03	Soil	03-Mar-22 14:48	03-Mar-22 16:50
G- 6 (1-1.5')	H220848-04	Soil	03-Mar-22 14:36	03-Mar-22 16:50
G- 06 (1-1.5')	H220848-05	Soil	03-Mar-22 14:39	03-Mar-22 16:50

03/10/22 - Client changed the sample IDs for the workorder. This is the revised report and will replace the one sent on 03/04/22.

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ALTAMIRA - US
14229 PUNTA BONAIRE DR.
CORPUS CHRISTI TX, 78418

Project: NOVO OVATION (OFFSITE)
Project Number: NVONM2104
Project Manager: BRIAN HANEY
Fax To:

Reported:
10-Mar-22 14:17

G- 7 (1-1.5')
H220848-01 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	2030329	MS	04-Mar-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2030329	MS	04-Mar-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2030329	MS	04-Mar-22	8015B	
Surrogate: 1-Chlorooctane			85.5 %	66.9-136		2030329	MS	04-Mar-22	8015B	
Surrogate: 1-Chlorooctadecane			94.0 %	59.5-142		2030329	MS	04-Mar-22	8015B	

VOLATILES BY GC/MS

Dichlorodifluoromethane*	<0.025		0.025	mg/kg	50	2030330	MS	04-Mar-22	8260B	
Chloromethane*	<0.025		0.025	mg/kg	50	2030330	MS	04-Mar-22	8260B	
Vinyl chloride*	<0.025		0.025	mg/kg	50	2030330	MS	04-Mar-22	8260B	
Bromomethane*	<0.025		0.025	mg/kg	50	2030330	MS	04-Mar-22	8260B	
Chloroethane*	<0.250		0.250	mg/kg	50	2030330	MS	04-Mar-22	8260B	
Trichlorofluoromethane*	<0.250		0.250	mg/kg	50	2030330	MS	04-Mar-22	8260B	
Carbon disulfide*	<0.250		0.250	mg/kg	50	2030330	MS	04-Mar-22	8260B	
1,1-Dichloroethene*	<0.250		0.250	mg/kg	50	2030330	MS	04-Mar-22	8260B	
Iodomethane	<0.250		0.250	mg/kg	50	2030330	MS	04-Mar-22	8260B	
Acrolein*	<0.250		0.250	mg/kg	50	2030330	MS	04-Mar-22	8260B	
Methylene chloride*	<0.500		0.500	mg/kg	50	2030330	MS	04-Mar-22	8260B	
Acetone*	<0.250		0.250	mg/kg	50	2030330	MS	04-Mar-22	8260B	
trans-1,2-Dichloroethene*	<0.025		0.025	mg/kg	50	2030330	MS	04-Mar-22	8260B	
Methyl t-Butyl Ether*	<0.050		0.050	mg/kg	50	2030330	MS	04-Mar-22	8260B	
1,1-Dichloroethane*	<0.025		0.025	mg/kg	50	2030330	MS	04-Mar-22	8260B	
Acrylonitrile*	<0.050		0.050	mg/kg	50	2030330	MS	04-Mar-22	8260B	
Vinyl acetate*	<0.025		0.025	mg/kg	50	2030330	MS	04-Mar-22	8260B	
cis-1,2-Dichloroethene*	<0.025		0.025	mg/kg	50	2030330	MS	04-Mar-22	8260B	
2,2-Dichloropropane*	<0.025		0.025	mg/kg	50	2030330	MS	04-Mar-22	8260B	
Bromochloromethane*	<0.025		0.025	mg/kg	50	2030330	MS	04-Mar-22	8260B	
Chloroform*	<0.025		0.025	mg/kg	50	2030330	MS	04-Mar-22	8260B	
Carbon tetrachloride*	<0.050		0.050	mg/kg	50	2030330	MS	04-Mar-22	8260B	

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* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ALTAMIRA - US
14229 PUNTA BONAIRE DR.
CORPUS CHRISTI TX, 78418

Project: NOVO OVATION (OFFSITE)
Project Number: NVONM2104
Project Manager: BRIAN HANEY
Fax To:

Reported:
10-Mar-22 14:17

G- 7 (1-1.5')**H220848-01 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**VOLATILES BY GC/MS**

1,1,1-Trichloroethane*	<0.025		0.025	mg/kg	50	2030330	MS	04-Mar-22	8260B	
1,1-Dichloropropene*	<0.025		0.025	mg/kg	50	2030330	MS	04-Mar-22	8260B	
2-Butanone*	<0.050		0.050	mg/kg	50	2030330	MS	04-Mar-22	8260B	
Benzene*	<0.025		0.025	mg/kg	50	2030330	MS	04-Mar-22	8260B	
1,2-Dichloroethane*	<0.025		0.025	mg/kg	50	2030330	MS	04-Mar-22	8260B	
Trichloroethene*	<0.025		0.025	mg/kg	50	2030330	MS	04-Mar-22	8260B	
Dibromomethane*	<0.025		0.025	mg/kg	50	2030330	MS	04-Mar-22	8260B	
1,2-Dichloropropane*	<0.025		0.025	mg/kg	50	2030330	MS	04-Mar-22	8260B	
Bromodichloromethane*	<0.025		0.025	mg/kg	50	2030330	MS	04-Mar-22	8260B	
cis-1,3-Dichloropropene*	<0.025		0.025	mg/kg	50	2030330	MS	04-Mar-22	8260B	
Toluene*	<0.025		0.025	mg/kg	50	2030330	MS	04-Mar-22	8260B	
4-Methyl-2-pentanone*	<0.050		0.050	mg/kg	50	2030330	MS	04-Mar-22	8260B	
Tetrachloroethene*	<0.025		0.025	mg/kg	50	2030330	MS	04-Mar-22	8260B	
trans-1,3-Dichloropropene*	<0.025		0.025	mg/kg	50	2030330	MS	04-Mar-22	8260B	
1,1,2-Trichloroethane*	<0.025		0.025	mg/kg	50	2030330	MS	04-Mar-22	8260B	
Dibromochloromethane*	<0.025		0.025	mg/kg	50	2030330	MS	04-Mar-22	8260B	
1,3-Dichloropropane*	<0.025		0.025	mg/kg	50	2030330	MS	04-Mar-22	8260B	
1,2-Dibromoethane*	<0.025		0.025	mg/kg	50	2030330	MS	04-Mar-22	8260B	
2-Hexanone*	<0.050		0.050	mg/kg	50	2030330	MS	04-Mar-22	8260B	
Chlorobenzene*	<0.025		0.025	mg/kg	50	2030330	MS	04-Mar-22	8260B	
Ethylbenzene*	<0.025		0.025	mg/kg	50	2030330	MS	04-Mar-22	8260B	
1,1,1,2-Tetrachloroethane*	<0.025		0.025	mg/kg	50	2030330	MS	04-Mar-22	8260B	
m+p - Xylene*	<0.050		0.050	mg/kg	50	2030330	MS	04-Mar-22	8260B	
o-Xylene*	<0.025		0.025	mg/kg	50	2030330	MS	04-Mar-22	8260B	
Total Xylenes*	<0.050		0.050	mg/kg	50	2030330	MS	04-Mar-22	8260B	
Bromoform*	<0.025		0.025	mg/kg	50	2030330	MS	04-Mar-22	8260B	
Styrene*	<0.025		0.025	mg/kg	50	2030330	MS	04-Mar-22	8260B	
Isopropylbenzene*	<0.025		0.025	mg/kg	50	2030330	MS	04-Mar-22	8260B	
Bromobenzene*	<0.025		0.025	mg/kg	50	2030330	MS	04-Mar-22	8260B	

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ALTAMIRA - US
14229 PUNTA BONAIRE DR.
CORPUS CHRISTI TX, 78418

Project: NOVO OVATION (OFFSITE)
Project Number: NVONM2104
Project Manager: BRIAN HANEY
Fax To:

Reported:
10-Mar-22 14:17

G- 7 (1-1.5')**H220848-01 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**VOLATILES BY GC/MS**

n-Propylbenzene*	<0.025		0.025	mg/kg	50	2030330	MS	04-Mar-22	8260B	
1,1,2,2-Tetrachloroethane*	<0.025		0.025	mg/kg	50	2030330	MS	04-Mar-22	8260B	
2-Chlorotoluene*	<0.025		0.025	mg/kg	50	2030330	MS	04-Mar-22	8260B	
1,2,3-trichloropropane*	<0.025		0.025	mg/kg	50	2030330	MS	04-Mar-22	8260B	
1,3,5-Trimethylbenzene*	<0.025		0.025	mg/kg	50	2030330	MS	04-Mar-22	8260B	
trans-1,4-Dichloro-2-butene	<0.250		0.250	mg/kg	50	2030330	MS	04-Mar-22	8260B	
4-Chlorotoluene*	<0.025		0.025	mg/kg	50	2030330	MS	04-Mar-22	8260B	
tert-Butylbenzene*	<0.025		0.025	mg/kg	50	2030330	MS	04-Mar-22	8260B	
1,2,4-Trimethylbenzene*	<0.025		0.025	mg/kg	50	2030330	MS	04-Mar-22	8260B	
sec-Butylbenzene*	<0.025		0.025	mg/kg	50	2030330	MS	04-Mar-22	8260B	
p-Isopropyltoluene*	<0.025		0.025	mg/kg	50	2030330	MS	04-Mar-22	8260B	
1,3-Dichlorobenzene*	<0.025		0.025	mg/kg	50	2030330	MS	04-Mar-22	8260B	
1,4 Dichlorobenzene*	<0.025		0.025	mg/kg	50	2030330	MS	04-Mar-22	8260B	
n-Butylbenzene*	<0.025		0.025	mg/kg	50	2030330	MS	04-Mar-22	8260B	
1,2-Dichlorobenzene*	<0.025		0.025	mg/kg	50	2030330	MS	04-Mar-22	8260B	
1,2-Dibromo-3-chloropropane*	<0.250		0.250	mg/kg	50	2030330	MS	04-Mar-22	8260B	
Hexachlorobutadiene*	<0.025		0.025	mg/kg	50	2030330	MS	04-Mar-22	8260B	
1,2,4-Trichlorobenzene*	<0.025		0.025	mg/kg	50	2030330	MS	04-Mar-22	8260B	
Naphthalene*	<0.025		0.025	mg/kg	50	2030330	MS	04-Mar-22	8260B	
1,2,3-Trichlorobenzene*	<0.025		0.025	mg/kg	50	2030330	MS	04-Mar-22	8260B	
1,4-Dioxane	<6.25		6.25	mg/kg	50	2030330	MS	04-Mar-22	8260B	
Surrogate: Dibromofluoromethane			97.3 %	84.6-114		2030330	MS	04-Mar-22	8260B	
Surrogate: Toluene-d8			101 %	90.4-109		2030330	MS	04-Mar-22	8260B	
Surrogate: 4-Bromofluorobenzene			96.5 %	82.5-117		2030330	MS	04-Mar-22	8260B	

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ALTAMIRA - US 14229 PUNTA BONAIRE DR. CORPUS CHRISTI TX, 78418	Project: NOVO OVATION (OFFSITE) Project Number: NVONM2104 Project Manager: BRIAN HANEY Fax To:	Reported: 10-Mar-22 14:17
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G- 4 (1-1.5')
H220848-02 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Chloride	48.0		16.0	mg/kg	4	2030417	GM	04-Mar-22	4500-CI-B	
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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ALTAMIRA - US 14229 PUNTA BONAIRE DR. CORPUS CHRISTI TX, 78418	Project: NOVO OVATION (OFFSITE) Project Number: NVONM2104 Project Manager: BRIAN HANEY Fax To:	Reported: 10-Mar-22 14:17
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**G- 04 (1-1.5')
H220848-03 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Chloride	32.0		16.0	mg/kg	4	2030417	GM	04-Mar-22	4500-CI-B	
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Analytical Results For:

ALTAMIRA - US
14229 PUNTA BONAIRE DR.
CORPUS CHRISTI TX, 78418

Project: NOVO OVATION (OFFSITE)
Project Number: NVONM2104
Project Manager: BRIAN HANEY
Fax To:

Reported:
10-Mar-22 14:17

G- 6 (1-1.5')**H220848-04 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	832		16.0	mg/kg	4	2030417	GM	04-Mar-22	4500-CI-B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	2030329	MS	04-Mar-22	8015B	
DRO >C10-C28*	42.1		10.0	mg/kg	1	2030329	MS	04-Mar-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2030329	MS	04-Mar-22	8015B	
Surrogate: 1-Chlorooctane			91.6 %	66.9-136		2030329	MS	04-Mar-22	8015B	
Surrogate: 1-Chlorooctadecane			102 %	59.5-142		2030329	MS	04-Mar-22	8015B	

VOLATILES BY GC/MS

Dichlorodifluoromethane*	<0.025		0.025	mg/kg	50	2030330	MS	04-Mar-22	8260B	
Chloromethane*	<0.025		0.025	mg/kg	50	2030330	MS	04-Mar-22	8260B	
Vinyl chloride*	<0.025		0.025	mg/kg	50	2030330	MS	04-Mar-22	8260B	
Bromomethane*	<0.025		0.025	mg/kg	50	2030330	MS	04-Mar-22	8260B	
Chloroethane*	<0.250		0.250	mg/kg	50	2030330	MS	04-Mar-22	8260B	
Trichlorofluoromethane*	<0.250		0.250	mg/kg	50	2030330	MS	04-Mar-22	8260B	
1,1-Dichloroethene*	<0.250		0.250	mg/kg	50	2030330	MS	04-Mar-22	8260B	
Carbon disulfide*	<0.250		0.250	mg/kg	50	2030330	MS	04-Mar-22	8260B	
Iodomethane	<0.250		0.250	mg/kg	50	2030330	MS	04-Mar-22	8260B	
Acrolein*	<0.250		0.250	mg/kg	50	2030330	MS	04-Mar-22	8260B	
Methylene chloride*	<0.500		0.500	mg/kg	50	2030330	MS	04-Mar-22	8260B	
Acetone*	<0.250		0.250	mg/kg	50	2030330	MS	04-Mar-22	8260B	
trans-1,2-Dichloroethene*	<0.025		0.025	mg/kg	50	2030330	MS	04-Mar-22	8260B	
Methyl t-Butyl Ether*	<0.050		0.050	mg/kg	50	2030330	MS	04-Mar-22	8260B	
1,1-Dichloroethane*	<0.025		0.025	mg/kg	50	2030330	MS	04-Mar-22	8260B	
Acrylonitrile*	<0.050		0.050	mg/kg	50	2030330	MS	04-Mar-22	8260B	
Vinyl acetate*	<0.025		0.025	mg/kg	50	2030330	MS	04-Mar-22	8260B	
cis-1,2-Dichloroethene*	<0.025		0.025	mg/kg	50	2030330	MS	04-Mar-22	8260B	
2,2-Dichloropropane*	<0.025		0.025	mg/kg	50	2030330	MS	04-Mar-22	8260B	

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* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ALTAMIRA - US
14229 PUNTA BONAIRE DR.
CORPUS CHRISTI TX, 78418

Project: NOVO OVATION (OFFSITE)
Project Number: NVONM2104
Project Manager: BRIAN HANEY
Fax To:

Reported:
10-Mar-22 14:17

G- 6 (1-1.5')**H220848-04 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**VOLATILES BY GC/MS**

Bromochloromethane*	<0.025		0.025	mg/kg	50	2030330	MS	04-Mar-22	8260B	
Chloroform*	<0.025		0.025	mg/kg	50	2030330	MS	04-Mar-22	8260B	
Carbon tetrachloride*	<0.050		0.050	mg/kg	50	2030330	MS	04-Mar-22	8260B	
1,1,1-Trichloroethane*	<0.025		0.025	mg/kg	50	2030330	MS	04-Mar-22	8260B	
1,1-Dichloropropene*	<0.025		0.025	mg/kg	50	2030330	MS	04-Mar-22	8260B	
2-Butanone*	<0.050		0.050	mg/kg	50	2030330	MS	04-Mar-22	8260B	
Benzene*	<0.025		0.025	mg/kg	50	2030330	MS	04-Mar-22	8260B	
1,2-Dichloroethane*	<0.025		0.025	mg/kg	50	2030330	MS	04-Mar-22	8260B	
Trichloroethene*	<0.025		0.025	mg/kg	50	2030330	MS	04-Mar-22	8260B	
Dibromomethane*	<0.025		0.025	mg/kg	50	2030330	MS	04-Mar-22	8260B	
1,2-Dichloropropane*	<0.025		0.025	mg/kg	50	2030330	MS	04-Mar-22	8260B	
Bromodichloromethane*	<0.025		0.025	mg/kg	50	2030330	MS	04-Mar-22	8260B	
cis-1,3-Dichloropropene*	<0.025		0.025	mg/kg	50	2030330	MS	04-Mar-22	8260B	
Toluene*	<0.025		0.025	mg/kg	50	2030330	MS	04-Mar-22	8260B	
4-Methyl-2-pentanone*	<0.050		0.050	mg/kg	50	2030330	MS	04-Mar-22	8260B	
Tetrachloroethene*	<0.025		0.025	mg/kg	50	2030330	MS	04-Mar-22	8260B	
trans-1,3-Dichloropropene*	<0.025		0.025	mg/kg	50	2030330	MS	04-Mar-22	8260B	
1,1,2-Trichloroethane*	<0.025		0.025	mg/kg	50	2030330	MS	04-Mar-22	8260B	
Dibromochloromethane*	<0.025		0.025	mg/kg	50	2030330	MS	04-Mar-22	8260B	
1,3-Dichloropropane*	<0.025		0.025	mg/kg	50	2030330	MS	04-Mar-22	8260B	
1,2-Dibromoethane*	<0.025		0.025	mg/kg	50	2030330	MS	04-Mar-22	8260B	
2-Hexanone*	<0.050		0.050	mg/kg	50	2030330	MS	04-Mar-22	8260B	
Chlorobenzene*	<0.025		0.025	mg/kg	50	2030330	MS	04-Mar-22	8260B	
Ethylbenzene*	<0.025		0.025	mg/kg	50	2030330	MS	04-Mar-22	8260B	
1,1,1,2-Tetrachloroethane*	<0.025		0.025	mg/kg	50	2030330	MS	04-Mar-22	8260B	
m+p - Xylene*	<0.050		0.050	mg/kg	50	2030330	MS	04-Mar-22	8260B	
Total Xylenes*	<0.050		0.050	mg/kg	50	2030330	MS	04-Mar-22	8260B	
o-Xylene*	<0.025		0.025	mg/kg	50	2030330	MS	04-Mar-22	8260B	
Bromoform*	<0.025		0.025	mg/kg	50	2030330	MS	04-Mar-22	8260B	

Cardinal Laboratories

* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ALTAMIRA - US
14229 PUNTA BONAIRE DR.
CORPUS CHRISTI TX, 78418

Project: NOVO OVATION (OFFSITE)
Project Number: NVONM2104
Project Manager: BRIAN HANEY
Fax To:

Reported:
10-Mar-22 14:17

G- 6 (1-1.5')**H220848-04 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**VOLATILES BY GC/MS**

Styrene*	<0.025		0.025	mg/kg	50	2030330	MS	04-Mar-22	8260B	
Isopropylbenzene*	<0.025		0.025	mg/kg	50	2030330	MS	04-Mar-22	8260B	
Bromobenzene*	<0.025		0.025	mg/kg	50	2030330	MS	04-Mar-22	8260B	
n-Propylbenzene*	<0.025		0.025	mg/kg	50	2030330	MS	04-Mar-22	8260B	
1,1,2,2-Tetrachloroethane*	<0.025		0.025	mg/kg	50	2030330	MS	04-Mar-22	8260B	
2-Chlorotoluene*	<0.025		0.025	mg/kg	50	2030330	MS	04-Mar-22	8260B	
1,2,3-trichloropropane*	<0.025		0.025	mg/kg	50	2030330	MS	04-Mar-22	8260B	
1,3,5-Trimethylbenzene*	<0.025		0.025	mg/kg	50	2030330	MS	04-Mar-22	8260B	
trans-1,4-Dichloro-2-butene	<0.250		0.250	mg/kg	50	2030330	MS	04-Mar-22	8260B	
4-Chlorotoluene*	<0.025		0.025	mg/kg	50	2030330	MS	04-Mar-22	8260B	
tert-Butylbenzene*	<0.025		0.025	mg/kg	50	2030330	MS	04-Mar-22	8260B	
1,2,4-Trimethylbenzene*	<0.025		0.025	mg/kg	50	2030330	MS	04-Mar-22	8260B	
sec-Butylbenzene*	<0.025		0.025	mg/kg	50	2030330	MS	04-Mar-22	8260B	
p-Isopropyltoluene*	<0.025		0.025	mg/kg	50	2030330	MS	04-Mar-22	8260B	
1,3-Dichlorobenzene*	<0.025		0.025	mg/kg	50	2030330	MS	04-Mar-22	8260B	
1,4 Dichlorobenzene*	<0.025		0.025	mg/kg	50	2030330	MS	04-Mar-22	8260B	
n-Butylbenzene*	<0.025		0.025	mg/kg	50	2030330	MS	04-Mar-22	8260B	
1,2-Dichlorobenzene*	<0.025		0.025	mg/kg	50	2030330	MS	04-Mar-22	8260B	
1,2-Dibromo-3-chloropropane*	<0.250		0.250	mg/kg	50	2030330	MS	04-Mar-22	8260B	
Hexachlorobutadiene*	<0.025		0.025	mg/kg	50	2030330	MS	04-Mar-22	8260B	
1,2,4-Trichlorobenzene*	<0.025		0.025	mg/kg	50	2030330	MS	04-Mar-22	8260B	
Naphthalene*	<0.025		0.025	mg/kg	50	2030330	MS	04-Mar-22	8260B	
1,2,3-Trichlorobenzene*	<0.025		0.025	mg/kg	50	2030330	MS	04-Mar-22	8260B	
1,4-Dioxane	<6.25		6.25	mg/kg	50	2030330	MS	04-Mar-22	8260B	
Surrogate: Dibromofluoromethane			98.3 %	84.6-114		2030330	MS	04-Mar-22	8260B	
Surrogate: Toluene-d8			101 %	90.4-109		2030330	MS	04-Mar-22	8260B	
Surrogate: 4-Bromofluorobenzene			96.7 %	82.5-117		2030330	MS	04-Mar-22	8260B	

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* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ALTAMIRA - US 14229 PUNTA BONAIRE DR. CORPUS CHRISTI TX, 78418	Project: NOVO OVATION (OFFSITE) Project Number: NVONM2104 Project Manager: BRIAN HANEY Fax To:	Reported: 10-Mar-22 14:17
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G- 06 (1-1.5')

H220848-05 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Chloride	32.0		16.0	mg/kg	4	2030417	GM	04-Mar-22	4500-CI-B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	2030329	MS	04-Mar-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2030329	MS	04-Mar-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2030329	MS	04-Mar-22	8015B	
Surrogate: 1-Chlorooctane			92.5 %	66.9-136		2030329	MS	04-Mar-22	8015B	
Surrogate: 1-Chlorooctadecane			103 %	59.5-142		2030329	MS	04-Mar-22	8015B	

VOLATILES BY GC/MS

Dichlorodifluoromethane*	<0.025		0.025	mg/kg	50	2030330	MS	04-Mar-22	8260B	
Chloromethane*	<0.025		0.025	mg/kg	50	2030330	MS	04-Mar-22	8260B	
Vinyl chloride*	<0.025		0.025	mg/kg	50	2030330	MS	04-Mar-22	8260B	
Bromomethane*	<0.025		0.025	mg/kg	50	2030330	MS	04-Mar-22	8260B	
Chloroethane*	<0.250		0.250	mg/kg	50	2030330	MS	04-Mar-22	8260B	
Trichlorofluoromethane*	<0.250		0.250	mg/kg	50	2030330	MS	04-Mar-22	8260B	
1,1-Dichloroethene*	<0.250		0.250	mg/kg	50	2030330	MS	04-Mar-22	8260B	
Carbon disulfide*	<0.250		0.250	mg/kg	50	2030330	MS	04-Mar-22	8260B	
Iodomethane	<0.250		0.250	mg/kg	50	2030330	MS	04-Mar-22	8260B	
Acrolein*	<0.250		0.250	mg/kg	50	2030330	MS	04-Mar-22	8260B	
Methylene chloride*	<0.500		0.500	mg/kg	50	2030330	MS	04-Mar-22	8260B	
Acetone*	<0.250		0.250	mg/kg	50	2030330	MS	04-Mar-22	8260B	
trans-1,2-Dichloroethene*	<0.025		0.025	mg/kg	50	2030330	MS	04-Mar-22	8260B	
Methyl t-Butyl Ether*	<0.050		0.050	mg/kg	50	2030330	MS	04-Mar-22	8260B	
1,1-Dichloroethane*	<0.025		0.025	mg/kg	50	2030330	MS	04-Mar-22	8260B	
Acrylonitrile*	<0.050		0.050	mg/kg	50	2030330	MS	04-Mar-22	8260B	
Vinyl acetate*	<0.025		0.025	mg/kg	50	2030330	MS	04-Mar-22	8260B	
cis-1,2-Dichloroethene*	<0.025		0.025	mg/kg	50	2030330	MS	04-Mar-22	8260B	
2,2-Dichloropropane*	<0.025		0.025	mg/kg	50	2030330	MS	04-Mar-22	8260B	

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ALTAMIRA - US 14229 PUNTA BONAIRE DR. CORPUS CHRISTI TX, 78418	Project: NOVO OVATION (OFFSITE) Project Number: NVONM2104 Project Manager: BRIAN HANEY Fax To:	Reported: 10-Mar-22 14:17
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**G- 06 (1-1.5')
H220848-05 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

VOLATILES BY GC/MS

Bromochloromethane*	<0.025		0.025	mg/kg	50	2030330	MS	04-Mar-22	8260B	
Chloroform*	<0.025		0.025	mg/kg	50	2030330	MS	04-Mar-22	8260B	
Carbon tetrachloride*	<0.050		0.050	mg/kg	50	2030330	MS	04-Mar-22	8260B	
1,1,1-Trichloroethane*	<0.025		0.025	mg/kg	50	2030330	MS	04-Mar-22	8260B	
1,1-Dichloropropene*	<0.025		0.025	mg/kg	50	2030330	MS	04-Mar-22	8260B	
2-Butanone*	<0.050		0.050	mg/kg	50	2030330	MS	04-Mar-22	8260B	
Benzene*	<0.025		0.025	mg/kg	50	2030330	MS	04-Mar-22	8260B	
1,2-Dichloroethane*	<0.025		0.025	mg/kg	50	2030330	MS	04-Mar-22	8260B	
Trichloroethene*	<0.025		0.025	mg/kg	50	2030330	MS	04-Mar-22	8260B	
Dibromomethane*	<0.025		0.025	mg/kg	50	2030330	MS	04-Mar-22	8260B	
1,2-Dichloropropane*	<0.025		0.025	mg/kg	50	2030330	MS	04-Mar-22	8260B	
Bromodichloromethane*	<0.025		0.025	mg/kg	50	2030330	MS	04-Mar-22	8260B	
cis-1,3-Dichloropropene*	<0.025		0.025	mg/kg	50	2030330	MS	04-Mar-22	8260B	
Toluene*	<0.025		0.025	mg/kg	50	2030330	MS	04-Mar-22	8260B	
4-Methyl-2-pentanone*	<0.050		0.050	mg/kg	50	2030330	MS	04-Mar-22	8260B	
Tetrachloroethene*	<0.025		0.025	mg/kg	50	2030330	MS	04-Mar-22	8260B	
trans-1,3-Dichloropropene*	<0.025		0.025	mg/kg	50	2030330	MS	04-Mar-22	8260B	
1,1,2-Trichloroethane*	<0.025		0.025	mg/kg	50	2030330	MS	04-Mar-22	8260B	
Dibromochloromethane*	<0.025		0.025	mg/kg	50	2030330	MS	04-Mar-22	8260B	
1,3-Dichloropropane*	<0.025		0.025	mg/kg	50	2030330	MS	04-Mar-22	8260B	
1,2-Dibromoethane*	<0.025		0.025	mg/kg	50	2030330	MS	04-Mar-22	8260B	
2-Hexanone*	<0.050		0.050	mg/kg	50	2030330	MS	04-Mar-22	8260B	
Chlorobenzene*	<0.025		0.025	mg/kg	50	2030330	MS	04-Mar-22	8260B	
Ethylbenzene*	<0.025		0.025	mg/kg	50	2030330	MS	04-Mar-22	8260B	
1,1,1,2-Tetrachloroethane*	<0.025		0.025	mg/kg	50	2030330	MS	04-Mar-22	8260B	
m+p - Xylene*	<0.050		0.050	mg/kg	50	2030330	MS	04-Mar-22	8260B	
o-Xylene*	<0.025		0.025	mg/kg	50	2030330	MS	04-Mar-22	8260B	
Total Xylenes*	<0.050		0.050	mg/kg	50	2030330	MS	04-Mar-22	8260B	
Bromoform*	<0.025		0.025	mg/kg	50	2030330	MS	04-Mar-22	8260B	

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ALTAMIRA - US
14229 PUNTA BONAIRE DR.
CORPUS CHRISTI TX, 78418

Project: NOVO OVATION (OFFSITE)
Project Number: NVONM2104
Project Manager: BRIAN HANEY
Fax To:

Reported:
10-Mar-22 14:17

G- 06 (1-1.5')**H220848-05 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**VOLATILES BY GC/MS**

Styrene*	<0.025		0.025	mg/kg	50	2030330	MS	04-Mar-22	8260B	
Isopropylbenzene*	<0.025		0.025	mg/kg	50	2030330	MS	04-Mar-22	8260B	
Bromobenzene*	<0.025		0.025	mg/kg	50	2030330	MS	04-Mar-22	8260B	
n-Propylbenzene*	<0.025		0.025	mg/kg	50	2030330	MS	04-Mar-22	8260B	
1,1,2,2-Tetrachloroethane*	<0.025		0.025	mg/kg	50	2030330	MS	04-Mar-22	8260B	
2-Chlorotoluene*	<0.025		0.025	mg/kg	50	2030330	MS	04-Mar-22	8260B	
1,2,3-trichloropropane*	<0.025		0.025	mg/kg	50	2030330	MS	04-Mar-22	8260B	
1,3,5-Trimethylbenzene*	<0.025		0.025	mg/kg	50	2030330	MS	04-Mar-22	8260B	
trans-1,4-Dichloro-2-butene	<0.250		0.250	mg/kg	50	2030330	MS	04-Mar-22	8260B	
4-Chlorotoluene*	<0.025		0.025	mg/kg	50	2030330	MS	04-Mar-22	8260B	
tert-Butylbenzene*	<0.025		0.025	mg/kg	50	2030330	MS	04-Mar-22	8260B	
1,2,4-Trimethylbenzene*	<0.025		0.025	mg/kg	50	2030330	MS	04-Mar-22	8260B	
sec-Butylbenzene*	<0.025		0.025	mg/kg	50	2030330	MS	04-Mar-22	8260B	
p-Isopropyltoluene*	<0.025		0.025	mg/kg	50	2030330	MS	04-Mar-22	8260B	
1,3-Dichlorobenzene*	<0.025		0.025	mg/kg	50	2030330	MS	04-Mar-22	8260B	
1,4 Dichlorobenzene*	<0.025		0.025	mg/kg	50	2030330	MS	04-Mar-22	8260B	
n-Butylbenzene*	<0.025		0.025	mg/kg	50	2030330	MS	04-Mar-22	8260B	
1,2-Dichlorobenzene*	<0.025		0.025	mg/kg	50	2030330	MS	04-Mar-22	8260B	
1,2-Dibromo-3-chloropropane*	<0.250		0.250	mg/kg	50	2030330	MS	04-Mar-22	8260B	
Hexachlorobutadiene*	<0.025		0.025	mg/kg	50	2030330	MS	04-Mar-22	8260B	
1,2,4-Trichlorobenzene*	<0.025		0.025	mg/kg	50	2030330	MS	04-Mar-22	8260B	
Naphthalene*	<0.025		0.025	mg/kg	50	2030330	MS	04-Mar-22	8260B	
1,2,3-Trichlorobenzene*	<0.025		0.025	mg/kg	50	2030330	MS	04-Mar-22	8260B	
1,4-Dioxane	<6.25		6.25	mg/kg	50	2030330	MS	04-Mar-22	8260B	
Surrogate: Dibromofluoromethane			99.2 %	84.6-114		2030330	MS	04-Mar-22	8260B	
Surrogate: Toluene-d8			99.5 %	90.4-109		2030330	MS	04-Mar-22	8260B	
Surrogate: 4-Bromofluorobenzene			97.8 %	82.5-117		2030330	MS	04-Mar-22	8260B	

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Analytical Results For:

ALTAMIRA - US
14229 PUNTA BONAIRE DR.
CORPUS CHRISTI TX, 78418

Project: NOVO OVATION (OFFSITE)
Project Number: NVONM2104
Project Manager: BRIAN HANEY
Fax To:

Reported:
10-Mar-22 14:17

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Analytical Results For:

ALTAMIRA - US 14229 PUNTA BONAIRE DR. CORPUS CHRISTI TX, 78418	Project: NOVO OVATION (OFFSITE) Project Number: NVONM2104 Project Manager: BRIAN HANEY Fax To:	Reported: 10-Mar-22 14:17
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Inorganic Compounds - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 2030417 - 1:4 DI Water										
Blank (2030417-BLK1)										
Prepared & Analyzed: 04-Mar-22										
Chloride	ND	16.0	mg/kg							
LCS (2030417-BS1)										
Prepared & Analyzed: 04-Mar-22										
Chloride	416	16.0	mg/kg	400		104	80-120			
LCS Dup (2030417-BSD1)										
Prepared & Analyzed: 04-Mar-22										
Chloride	416	16.0	mg/kg	400		104	80-120	0.00	20	

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Analytical Results For:

ALTAMIRA - US 14229 PUNTA BONAIRE DR. CORPUS CHRISTI TX, 78418	Project: NOVO OVATION (OFFSITE) Project Number: NVONM2104 Project Manager: BRIAN HANEY Fax To:	Reported: 10-Mar-22 14:17
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Petroleum Hydrocarbons by GC FID - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 2030329 - General Prep - Organics

Blank (2030329-BLK1)		Prepared: 03-Mar-22 Analyzed: 04-Mar-22								
GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	53.7		mg/kg	50.0		107	66.9-136			
Surrogate: 1-Chlorooctadecane	60.8		mg/kg	50.0		122	59.5-142			

LCS (2030329-BS1)		Prepared: 03-Mar-22 Analyzed: 04-Mar-22								
GRO C6-C10	210	10.0	mg/kg	200		105	81.6-129			
DRO >C10-C28	213	10.0	mg/kg	200		106	83-129			
Total TPH C6-C28	423	10.0	mg/kg	400		106	84.5-127			
Surrogate: 1-Chlorooctane	54.6		mg/kg	50.0		109	66.9-136			
Surrogate: 1-Chlorooctadecane	59.7		mg/kg	50.0		119	59.5-142			

LCS Dup (2030329-BSD1)		Prepared: 03-Mar-22 Analyzed: 04-Mar-22								
GRO C6-C10	211	10.0	mg/kg	200		106	81.6-129	0.608	21.4	
DRO >C10-C28	214	10.0	mg/kg	200		107	83-129	0.406	17.9	
Total TPH C6-C28	425	10.0	mg/kg	400		106	84.5-127	0.507	17.6	
Surrogate: 1-Chlorooctane	54.1		mg/kg	50.0		108	66.9-136			
Surrogate: 1-Chlorooctadecane	59.4		mg/kg	50.0		119	59.5-142			

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Analytical Results For:

ALTAMIRA - US 14229 PUNTA BONAIRE DR. CORPUS CHRISTI TX, 78418	Project: NOVO OVATION (OFFSITE) Project Number: NVONM2104 Project Manager: BRIAN HANEY Fax To:	Reported: 10-Mar-22 14:17
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VOLATILES BY GC/MS - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 2030330 - Volatiles

Blank (2030330-BLK1)

Prepared: 03-Mar-22 Analyzed: 04-Mar-22

Dichlorodifluoromethane	ND	0.025	mg/kg							
Chloromethane	ND	0.025	mg/kg							
Vinyl chloride	ND	0.025	mg/kg							
Bromomethane	ND	0.025	mg/kg							
Chloroethane	ND	0.250	mg/kg							
Trichlorofluoromethane	ND	0.250	mg/kg							
1,1-Dichloroethene	ND	0.250	mg/kg							
Carbon disulfide	ND	0.250	mg/kg							
Iodomethane	ND	0.250	mg/kg							
Acrolein	ND	0.250	mg/kg							
Methylene chloride	ND	0.500	mg/kg							
Acetone	ND	0.250	mg/kg							
trans-1,2-Dichloroethene	ND	0.025	mg/kg							
Methyl t-Butyl Ether	ND	0.050	mg/kg							
1,1-Dichloroethane	ND	0.025	mg/kg							
Acrylonitrile	ND	0.050	mg/kg							
Vinyl acetate	ND	0.025	mg/kg							
cis-1,2-Dichloroethene	ND	0.025	mg/kg							
2,2-Dichloropropane	ND	0.025	mg/kg							
Bromochloromethane	ND	0.025	mg/kg							
Chloroform	ND	0.025	mg/kg							
Carbon tetrachloride	ND	0.050	mg/kg							
1,1,1-Trichloroethane	ND	0.025	mg/kg							
1,1-Dichloropropene	ND	0.025	mg/kg							
2-Butanone	ND	0.050	mg/kg							
Benzene	ND	0.025	mg/kg							
1,2-Dichloroethane	ND	0.025	mg/kg							
Trichloroethene	ND	0.025	mg/kg							
Dibromomethane	ND	0.025	mg/kg							
1,2-Dichloropropane	ND	0.025	mg/kg							
Bromodichloromethane	ND	0.025	mg/kg							
cis-1,3-Dichloropropene	ND	0.025	mg/kg							

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Analytical Results For:

ALTAMIRA - US 14229 PUNTA BONAIRE DR. CORPUS CHRISTI TX, 78418	Project: NOVO OVATION (OFFSITE) Project Number: NVONM2104 Project Manager: BRIAN HANEY Fax To:	Reported: 10-Mar-22 14:17
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VOLATILES BY GC/MS - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 2030330 - Volatiles

Blank (2030330-BLK1)

Prepared: 03-Mar-22 Analyzed: 04-Mar-22

Toluene	ND	0.025	mg/kg							
4-Methyl-2-pentanone	ND	0.050	mg/kg							
Tetrachloroethene	ND	0.025	mg/kg							
trans-1,3-Dichloropropene	ND	0.025	mg/kg							
1,1,2-Trichloroethane	ND	0.025	mg/kg							
Dibromochloromethane	ND	0.025	mg/kg							
1,3-Dichloropropane	ND	0.025	mg/kg							
1,2-Dibromoethane	ND	0.025	mg/kg							
2-Hexanone	ND	0.050	mg/kg							
Chlorobenzene	ND	0.025	mg/kg							
Ethylbenzene	ND	0.025	mg/kg							
1,1,1,2-Tetrachloroethane	ND	0.025	mg/kg							
m+p - Xylene	ND	0.050	mg/kg							
o-Xylene	ND	0.025	mg/kg							
Total Xylenes	ND	0.050	mg/kg							
Bromoform	ND	0.025	mg/kg							
Styrene	ND	0.025	mg/kg							
Isopropylbenzene	ND	0.025	mg/kg							
Bromobenzene	ND	0.025	mg/kg							
n-Propylbenzene	ND	0.025	mg/kg							
1,1,2,2-Tetrachloroethane	ND	0.025	mg/kg							
2-Chlorotoluene	ND	0.025	mg/kg							
1,2,3-trichloropropane	ND	0.025	mg/kg							
1,3,5-Trimethylbenzene	ND	0.025	mg/kg							
trans-1,4-Dichloro-2-butene	ND	0.250	mg/kg							
4-Chlorotoluene	ND	0.025	mg/kg							
tert-Butylbenzene	ND	0.025	mg/kg							
1,2,4-Trimethylbenzene	ND	0.025	mg/kg							
sec-Butylbenzene	ND	0.025	mg/kg							
p-Isopropyltoluene	ND	0.025	mg/kg							
1,3-Dichlorobenzene	ND	0.025	mg/kg							
1,4 Dichlorobenzene	ND	0.025	mg/kg							

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Analytical Results For:

ALTAMIRA - US 14229 PUNTA BONAIRE DR. CORPUS CHRISTI TX, 78418	Project: NOVO OVATION (OFFSITE) Project Number: NVONM2104 Project Manager: BRIAN HANEY Fax To:	Reported: 10-Mar-22 14:17
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VOLATILES BY GC/MS - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 2030330 - Volatiles

Blank (2030330-BLK1)

Prepared: 03-Mar-22 Analyzed: 04-Mar-22

n-Butylbenzene	ND	0.025	mg/kg							
1,2-Dichlorobenzene	ND	0.025	mg/kg							
1,2-Dibromo-3-chloropropane	ND	0.250	mg/kg							
Hexachlorobutadiene	ND	0.025	mg/kg							
1,2,4-Trichlorobenzene	ND	0.025	mg/kg							
Naphthalene	ND	0.025	mg/kg							
1,2,3-Trichlorobenzene	ND	0.025	mg/kg							
1,4-Dioxane	ND	6.25	mg/kg							
Surrogate: Dibromofluoromethane	1.23		mg/kg	1.25		98.4	84.6-114			
Surrogate: Toluene-d8	1.25		mg/kg	1.25		100	90.4-109			
Surrogate: 4-Bromofluorobenzene	1.22		mg/kg	1.25		97.7	82.5-117			

LCS (2030330-BS1)

Prepared: 03-Mar-22 Analyzed: 04-Mar-22

Dichlorodifluoromethane	0.279	0.025	mg/kg	0.500		55.8	4.03-173			
Chloromethane	0.460	0.025	mg/kg	0.500		91.9	52.6-147			
Vinyl chloride	0.379	0.025	mg/kg	0.500		75.8	57.3-152			
Bromomethane	0.440	0.025	mg/kg	0.500		88.0	16.8-174			
Chloroethane	0.397	0.250	mg/kg	0.500		79.5	14.2-203			
Trichlorofluoromethane	0.424	0.250	mg/kg	0.500		84.9	-18.7-214			
1,1-Dichloroethene	0.506	0.250	mg/kg	0.500		101	30.5-180			
Carbon disulfide	0.986	0.250	mg/kg	1.00		98.6	43.8-148			
Iodomethane	0.914	0.250	mg/kg	1.00		91.4	45.2-157			
Acrolein	4.49	0.250	mg/kg	5.00		89.8	-46.2-174			
Methylene chloride	0.583	0.500	mg/kg	0.500		117	31.5-204			
Acetone	1.02	0.250	mg/kg	1.00		102	14.7-198			
trans-1,2-Dichloroethene	0.496	0.025	mg/kg	0.500		99.2	56.4-152			
Methyl t-Butyl Ether	0.920	0.050	mg/kg	1.00		92.0	42.7-160			
1,1-Dichloroethane	0.392	0.025	mg/kg	0.500		78.4	79.2-128			BS-3
Acrylonitrile	0.802	0.050	mg/kg	1.00		80.2	64.8-130			
Vinyl acetate	0.412	0.025	mg/kg	0.500		82.5	62.2-134			
cis-1,2-Dichloroethene	0.453	0.025	mg/kg	0.500		90.7	78.9-127			
2,2-Dichloropropane	0.467	0.025	mg/kg	0.500		93.3	69.4-140			

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Analytical Results For:

ALTAMIRA - US 14229 PUNTA BONAIRE DR. CORPUS CHRISTI TX, 78418	Project: NOVO OVATION (OFFSITE) Project Number: NVONM2104 Project Manager: BRIAN HANEY Fax To:	Reported: 10-Mar-22 14:17
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VOLATILES BY GC/MS - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 2030330 - Volatiles

LCS (2030330-BS1)

Prepared: 03-Mar-22 Analyzed: 04-Mar-22

Bromochloromethane	0.490	0.025	mg/kg	0.500		98.0	69.4-131			
Chloroform	0.507	0.025	mg/kg	0.500		101	70.6-131			
Carbon tetrachloride	0.550	0.050	mg/kg	0.500		110	54.7-158			
1,1,1-Trichloroethane	0.503	0.025	mg/kg	0.500		101	70.2-141			
1,1-Dichloropropene	0.508	0.025	mg/kg	0.500		102	73.5-137			
2-Butanone	0.875	0.050	mg/kg	1.00		87.5	56-139			
Benzene	0.511	0.025	mg/kg	0.500		102	73-130			
1,2-Dichloroethane	0.472	0.025	mg/kg	0.500		94.3	63.5-141			
Trichloroethene	0.483	0.025	mg/kg	0.500		96.6	80.2-122			
Dibromomethane	0.455	0.025	mg/kg	0.500		91.0	68.6-130			
1,2-Dichloropropane	0.486	0.025	mg/kg	0.500		97.2	71.3-132			
Bromodichloromethane	0.486	0.025	mg/kg	0.500		97.2	70.7-131			
cis-1,3-Dichloropropene	0.499	0.025	mg/kg	0.500		99.8	84.9-119			
Toluene	0.490	0.025	mg/kg	0.500		98.0	79-122			
4-Methyl-2-pentanone	0.943	0.050	mg/kg	1.00		94.3	61.6-129			
Tetrachloroethene	0.496	0.025	mg/kg	0.500		99.3	55.7-160			
trans-1,3-Dichloropropene	0.527	0.025	mg/kg	0.500		105	79.4-121			
1,1,2-Trichloroethane	0.466	0.025	mg/kg	0.500		93.3	63.6-133			
Dibromochloromethane	0.479	0.025	mg/kg	0.500		95.8	73.9-125			
1,3-Dichloropropane	0.489	0.025	mg/kg	0.500		97.8	76.6-124			
1,2-Dibromoethane	0.488	0.025	mg/kg	0.500		97.5	77.1-119			
2-Hexanone	0.876	0.050	mg/kg	1.00		87.6	59.5-132			
Chlorobenzene	0.499	0.025	mg/kg	0.500		99.7	87.1-116			
Ethylbenzene	0.515	0.025	mg/kg	0.500		103	75.4-127			
1,1,1,2-Tetrachloroethane	0.471	0.025	mg/kg	0.500		94.2	79.8-123			
m+p - Xylene	1.05	0.050	mg/kg	1.00		105	71.8-133			
o-Xylene	0.508	0.025	mg/kg	0.500		102	78.6-125			
Total Xylenes	1.56	0.050	mg/kg	1.50		104	74.6-130			
Bromoform	0.467	0.025	mg/kg	0.500		93.5	58.6-143			
Styrene	0.498	0.025	mg/kg	0.500		99.7	85.7-121			
Isopropylbenzene	0.531	0.025	mg/kg	0.500		106	71.7-137			
Bromobenzene	0.483	0.025	mg/kg	0.500		96.7	84.8-114			

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Analytical Results For:

ALTAMIRA - US 14229 PUNTA BONAIRE DR. CORPUS CHRISTI TX, 78418	Project: NOVO OVATION (OFFSITE) Project Number: NVONM2104 Project Manager: BRIAN HANEY Fax To:	Reported: 10-Mar-22 14:17
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VOLATILES BY GC/MS - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 2030330 - Volatiles

LCS (2030330-BS1)

Prepared: 03-Mar-22 Analyzed: 04-Mar-22

n-Propylbenzene	0.518	0.025	mg/kg	0.500		104	52.9-144			
1,1,2,2-Tetrachloroethane	0.482	0.025	mg/kg	0.500		96.3	63.2-124			
2-Chlorotoluene	0.507	0.025	mg/kg	0.500		101	74.8-126			
1,2,3-trichloropropane	0.571	0.025	mg/kg	0.500		114	53-140			
1,3,5-Trimethylbenzene	0.522	0.025	mg/kg	0.500		104	64.4-138			
trans-1,4-Dichloro-2-butene	0.905	0.250	mg/kg	1.00		90.5	-15.6-219			
4-Chlorotoluene	0.518	0.025	mg/kg	0.500		104	68.4-135			
tert-Butylbenzene	0.562	0.025	mg/kg	0.500		112	62.1-139			
1,2,4-Trimethylbenzene	0.536	0.025	mg/kg	0.500		107	62.4-140			
sec-Butylbenzene	0.541	0.025	mg/kg	0.500		108	61.9-148			
p-Isopropyltoluene	0.534	0.025	mg/kg	0.500		107	56.9-141			
1,3-Dichlorobenzene	0.480	0.025	mg/kg	0.500		96.0	74.7-123			
1,4 Dichlorobenzene	0.493	0.025	mg/kg	0.500		98.6	75.2-120			
n-Butylbenzene	0.507	0.025	mg/kg	0.500		101	41.1-164			
1,2-Dichlorobenzene	0.493	0.025	mg/kg	0.500		98.5	80.8-114			
1,2-Dibromo-3-chloropropane	0.429	0.250	mg/kg	0.500		85.8	51.1-134			
Hexachlorobutadiene	0.619	0.025	mg/kg	0.500		124	13.4-183			
1,2,4-Trichlorobenzene	0.499	0.025	mg/kg	0.500		99.8	39.7-150			
Naphthalene	0.458	0.025	mg/kg	0.500		91.5	28.7-158			
1,2,3-Trichlorobenzene	0.531	0.025	mg/kg	0.500		106	13.8-171			
1,4-Dioxane	9.55	6.25	mg/kg	10.0		95.5	47.3-105			
Surrogate: Dibromofluoromethane	1.26		mg/kg	1.25		101	84.6-114			
Surrogate: Toluene-d8	1.26		mg/kg	1.25		101	90.4-109			
Surrogate: 4-Bromofluorobenzene	1.28		mg/kg	1.25		102	82.5-117			

LCS Dup (2030330-BS1)

Prepared: 03-Mar-22 Analyzed: 04-Mar-22

Dichlorodifluoromethane	0.283	0.025	mg/kg	0.500		56.5	4.03-173	1.25	41.1	
Chloromethane	0.474	0.025	mg/kg	0.500		94.8	52.6-147	3.10	22.8	
Vinyl chloride	0.394	0.025	mg/kg	0.500		78.9	57.3-152	3.93	27.7	
Bromomethane	0.424	0.025	mg/kg	0.500		84.8	16.8-174	3.77	23.5	
Chloroethane	0.386	0.250	mg/kg	0.500		77.3	14.2-203	2.82	27.5	
Trichlorofluoromethane	0.381	0.250	mg/kg	0.500		76.2	-18.7-214	10.7	61.9	

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ALTAMIRA - US 14229 PUNTA BONAIRE DR. CORPUS CHRISTI TX, 78418	Project: NOVO OVATION (OFFSITE) Project Number: NVONM2104 Project Manager: BRIAN HANEY Fax To:	Reported: 10-Mar-22 14:17
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VOLATILES BY GC/MS - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 2030330 - Volatiles

LCS Dup (2030330-BSD1)

Prepared: 03-Mar-22 Analyzed: 04-Mar-22

1,1-Dichloroethene	0.433	0.250	mg/kg	0.500		86.6	30.5-180	15.6	26.1	
Carbon disulfide	0.850	0.250	mg/kg	1.00		85.0	43.8-148	14.9	25.9	
Iodomethane	0.837	0.250	mg/kg	1.00		83.7	45.2-157	8.84	19.7	
Acrolein	3.96	0.250	mg/kg	5.00		79.2	-46.2-174	12.6	25.5	
Methylene chloride	0.518	0.500	mg/kg	0.500		104	31.5-204	11.8	45.3	
Acetone	0.899	0.250	mg/kg	1.00		89.9	14.7-198	12.9	171	
trans-1,2-Dichloroethene	0.445	0.025	mg/kg	0.500		89.0	56.4-152	10.8	22.7	
Methyl t-Butyl Ether	0.885	0.050	mg/kg	1.00		88.5	42.7-160	3.89	31.5	
1,1-Dichloroethane	0.489	0.025	mg/kg	0.500		97.7	79.2-128	22.0	17.9	QR-04
Acrylonitrile	0.980	0.050	mg/kg	1.00		98.0	64.8-130	20.0	17	QR-04
Vinyl acetate	0.496	0.025	mg/kg	0.500		99.2	62.2-134	18.4	20.1	
cis-1,2-Dichloroethene	0.499	0.025	mg/kg	0.500		99.7	78.9-127	9.48	16.5	
2,2-Dichloropropane	0.465	0.025	mg/kg	0.500		93.1	69.4-140	0.264	20.4	
Bromochloromethane	0.487	0.025	mg/kg	0.500		97.5	69.4-131	0.508	19.5	
Chloroform	0.500	0.025	mg/kg	0.500		100	70.6-131	1.40	16.7	
Carbon tetrachloride	0.461	0.050	mg/kg	0.500		92.2	54.7-158	17.6	22.2	
1,1,1-Trichloroethane	0.491	0.025	mg/kg	0.500		98.1	70.2-141	2.43	22.1	
1,1-Dichloropropene	0.507	0.025	mg/kg	0.500		101	73.5-137	0.254	32.2	
2-Butanone	0.906	0.050	mg/kg	1.00		90.6	56-139	3.42	27.1	
Benzene	0.503	0.025	mg/kg	0.500		101	73-130	1.59	17.1	
1,2-Dichloroethane	0.474	0.025	mg/kg	0.500		94.8	63.5-141	0.459	16.4	
Trichloroethene	0.498	0.025	mg/kg	0.500		99.6	80.2-122	3.03	19.9	
Dibromomethane	0.451	0.025	mg/kg	0.500		90.2	68.6-130	0.861	17.2	
1,2-Dichloropropane	0.498	0.025	mg/kg	0.500		99.7	71.3-132	2.55	14.6	
Bromodichloromethane	0.477	0.025	mg/kg	0.500		95.4	70.7-131	1.87	16.3	
cis-1,3-Dichloropropene	0.487	0.025	mg/kg	0.500		97.4	84.9-119	2.46	11.8	
Toluene	0.488	0.025	mg/kg	0.500		97.6	79-122	0.446	18.3	
4-Methyl-2-pentanone	0.951	0.050	mg/kg	1.00		95.1	61.6-129	0.790	18.1	
Tetrachloroethene	0.489	0.025	mg/kg	0.500		97.9	55.7-160	1.42	41.8	
trans-1,3-Dichloropropene	0.495	0.025	mg/kg	0.500		99.0	79.4-121	6.19	15.3	
1,1,2-Trichloroethane	0.469	0.025	mg/kg	0.500		93.8	63.6-133	0.565	32.9	
Dibromochloromethane	0.462	0.025	mg/kg	0.500		92.4	73.9-125	3.66	12.9	

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ALTAMIRA - US 14229 PUNTA BONAIRE DR. CORPUS CHRISTI TX, 78418	Project: NOVO OVATION (OFFSITE) Project Number: NVONM2104 Project Manager: BRIAN HANEY Fax To:	Reported: 10-Mar-22 14:17
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VOLATILES BY GC/MS - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 2030330 - Volatiles

LCS Dup (2030330-BSD1)

Prepared: 03-Mar-22 Analyzed: 04-Mar-22

1,3-Dichloropropane	0.485	0.025	mg/kg	0.500		97.1	76.6-124	0.766	13.1	
1,2-Dibromoethane	0.482	0.025	mg/kg	0.500		96.5	77.1-119	1.08	13.7	
2-Hexanone	0.848	0.050	mg/kg	1.00		84.8	59.5-132	3.30	22.2	
Chlorobenzene	0.485	0.025	mg/kg	0.500		97.0	87.1-116	2.71	11.3	
Ethylbenzene	0.506	0.025	mg/kg	0.500		101	75.4-127	1.71	16.5	
1,1,1,2-Tetrachloroethane	0.475	0.025	mg/kg	0.500		95.1	79.8-123	0.906	10.8	
m+p - Xylene	1.03	0.050	mg/kg	1.00		103	71.8-133	2.34	19.1	
Total Xylenes	1.52	0.050	mg/kg	1.50		101	74.6-130	2.51	16.5	
o-Xylene	0.493	0.025	mg/kg	0.500		98.7	78.6-125	2.88	13.2	
Bromoform	0.412	0.025	mg/kg	0.500		82.5	58.6-143	12.5	12.9	
Styrene	0.500	0.025	mg/kg	0.500		99.9	85.7-121	0.220	11.5	
Isopropylbenzene	0.511	0.025	mg/kg	0.500		102	71.7-137	3.99	25.2	
Bromobenzene	0.473	0.025	mg/kg	0.500		94.5	84.8-114	2.24	14.6	
n-Propylbenzene	0.496	0.025	mg/kg	0.500		99.1	52.9-144	4.51	57.4	
1,1,2,2-Tetrachloroethane	0.456	0.025	mg/kg	0.500		91.3	63.2-124	5.37	14.4	
2-Chlorotoluene	0.479	0.025	mg/kg	0.500		95.7	74.8-126	5.73	26	
1,2,3-trichloropropane	0.517	0.025	mg/kg	0.500		103	53-140	9.90	30.1	
1,3,5-Trimethylbenzene	0.497	0.025	mg/kg	0.500		99.4	64.4-138	4.96	39.1	
trans-1,4-Dichloro-2-butene	0.630	0.250	mg/kg	1.00		63.0	-15.6-219	35.8	162	
4-Chlorotoluene	0.489	0.025	mg/kg	0.500		97.8	68.4-135	5.73	29.2	
tert-Butylbenzene	0.527	0.025	mg/kg	0.500		105	62.1-139	6.43	30.4	
1,2,4-Trimethylbenzene	0.509	0.025	mg/kg	0.500		102	62.4-140	5.31	38.2	
sec-Butylbenzene	0.503	0.025	mg/kg	0.500		101	61.9-148	7.38	60.1	
p-Isopropyltoluene	0.502	0.025	mg/kg	0.500		100	56.9-141	6.11	67.5	
1,3-Dichlorobenzene	0.470	0.025	mg/kg	0.500		94.0	74.7-123	2.07	28.6	
1,4 Dichlorobenzene	0.467	0.025	mg/kg	0.500		93.3	75.2-120	5.46	28.8	
n-Butylbenzene	0.452	0.025	mg/kg	0.500		90.4	41.1-164	11.5	91.5	
1,2-Dichlorobenzene	0.468	0.025	mg/kg	0.500		93.6	80.8-114	5.11	15.8	
1,2-Dibromo-3-chloropropane	0.411	0.250	mg/kg	0.500		82.2	51.1-134	4.27	29.5	
Hexachlorobutadiene	0.532	0.025	mg/kg	0.500		106	13.4-183	15.2	105	
1,2,4-Trichlorobenzene	0.458	0.025	mg/kg	0.500		91.6	39.7-150	8.62	65.9	
Naphthalene	0.418	0.025	mg/kg	0.500		83.5	28.7-158	9.15	64	

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ALTAMIRA - US 14229 PUNTA BONAIRE DR. CORPUS CHRISTI TX, 78418	Project: NOVO OVATION (OFFSITE) Project Number: NVONM2104 Project Manager: BRIAN HANEY Fax To:	Reported: 10-Mar-22 14:17
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VOLATILES BY GC/MS - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 2030330 - Volatiles

LCS Dup (2030330-BSD1)

Prepared: 03-Mar-22 Analyzed: 04-Mar-22

1,2,3-Trichlorobenzene	0.459	0.025	mg/kg	0.500		91.8	13.8-171	14.7	65.2	
1,4-Dioxane	9.87	6.25	mg/kg	10.0		98.7	47.3-105	3.34	72.3	
Surrogate: Dibromofluoromethane	1.25		mg/kg	1.25		100	84.6-114			
Surrogate: Toluene-d8	1.25		mg/kg	1.25		99.8	90.4-109			
Surrogate: 4-Bromofluorobenzene	1.27		mg/kg	1.25		102	82.5-117			

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Notes and Definitions

- QR-04 The RPD for the BS/BSD was outside of historical limits.
- BS-3 Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.
- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- ** Samples not received at proper temperature of 6°C or below.
- *** Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



Environment Testing
America

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ANALYTICAL REPORT

Eurofins Corpus Christi
1733 N. Padre Island Drive
Corpus Christi, TX 78408
Tel: (361)289-2471

Laboratory Job ID: 560-100965-1
Client Project/Site: Altamira Novo Ovation 3-5-22

For:
Altamira-US
3700 W. Robinson St.
Suite 200
Norman, Oklahoma 73072

Attn: Bryan Haney

Authorized for release by:
3/10/2022 5:11:27 PM

C. Lance Tigrett, Project Manager II
(713)690-4444
Lance.Tigrett@Eurofinset.com



LINKS

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This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Definitions/Glossary

Client: Altamira-US
Project/Site: Altamira Novo Ovation 3-5-22

Job ID: 560-100965-1

Qualifiers

General Chemistry

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: Altamira-US
Project/Site: Altamira Novo Ovation 3-5-22

Job ID: 560-100965-1

Job ID: 560-100965-1

Laboratory: Eurofins Corpus Christi

Narrative

**Job Narrative
560-100965-1**

Receipt

The samples were received on 3/7/2022 8:44 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.7°C

General Chemistry

Method 9056: The method blank for preparation batch 560-193854 and analytical batch 560-193886 contained Chloride above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

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Detection Summary

Client: Altamira-US

Job ID: 560-100965-1

Project/Site: Altamira Novo Ovation 3-5-22

Client Sample ID: G-6 (2-2.5')

Lab Sample ID: 560-100965-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	86.6	B	49.9	2.49	mg/Kg	5		9056	Soluble

Client Sample ID: G-6 (2.5-3')

Lab Sample ID: 560-100965-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	34.3	J B	50.1	2.51	mg/Kg	5		9056	Soluble

This Detection Summary does not include radiochemical test results.

Eurofins Corpus Christi



Client Sample Results

Client: Altamira-US
Project/Site: Altamira Novo Ovation 3-5-22

Job ID: 560-100965-1

Client Sample ID: G-6 (2-2.5')

Lab Sample ID: 560-100965-1

Date Collected: 03/05/22 08:50

Matrix: Solid

Date Received: 03/07/22 08:44

General Chemistry - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	86.6	B	49.9	2.49	mg/Kg			03/09/22 15:07	5

Client Sample ID: G-6 (2.5-3')

Lab Sample ID: 560-100965-2

Date Collected: 03/05/22 08:57

Matrix: Solid

Date Received: 03/07/22 08:44

General Chemistry - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	34.3	J B	50.1	2.51	mg/Kg			03/09/22 16:34	5



QC Sample Results

Client: Altamira-US
 Project/Site: Altamira Novo Ovation 3-5-22

Job ID: 560-100965-1

Method: 9056 - Anions, Ion Chromatography

Lab Sample ID: MB 560-193854/1-A
 Matrix: Solid
 Analysis Batch: 193886

Client Sample ID: Method Blank
 Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1.730	J	10.0	0.500	mg/Kg			03/09/22 14:10	1

Lab Sample ID: LCS 560-193854/2-A
 Matrix: Solid
 Analysis Batch: 193886

Client Sample ID: Lab Control Sample
 Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	100	99.31		mg/Kg		99	80 - 120

Lab Sample ID: 560-100965-1 MS
 Matrix: Solid
 Analysis Batch: 193886

Client Sample ID: G-6 (2-2.5')
 Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	86.6	B	498	610.1		mg/Kg		105	80 - 120

Lab Sample ID: 560-100965-1 MSD
 Matrix: Solid
 Analysis Batch: 193886

Client Sample ID: G-6 (2-2.5')
 Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	86.6	B	498	598.5		mg/Kg		103	80 - 120	2	30

Accreditation/Certification Summary

Client: Altamira-US
Project/Site: Altamira Novo Ovation 3-5-22

Job ID: 560-100965-1

Laboratory: Eurofins Corpus Christi

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704210-21-28	03-31-22

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11

Method Summary

Client: Altamira-US
Project/Site: Altamira Novo Ovation 3-5-22

Job ID: 560-100965-1

Method	Method Description	Protocol	Laboratory
9056	Anions, Ion Chromatography	SW846	XEN CC
DI Leach	Deionized Water Leaching Procedure	ASTM	XEN CC

Protocol References:

ASTM = ASTM International

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

XEN CC = Eurofins Corpus Christi, 1733 N. Padre Island Drive, Corpus Christi, TX 78408, TEL (361)289-2471



Sample Summary

Client: Altamira-US
Project/Site: Altamira Novo Ovation 3-5-22

Job ID: 560-100965-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
560-100965-1	G-6 (2-2.5')	Solid	03/05/22 08:50	03/07/22 08:44
560-100965-2	G-6 (2.5-3')	Solid	03/05/22 08:57	03/07/22 08:44

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11

Eurofins TestAmerica, Corpus Christi
1733 N. Padre Island Dr.

Corpus Christi, TX 78408-2329
phone 361.289.2673 fax 361.289.2471

Chain of Custody Record



100965



Regulatory Program: DW NPDES

Project Manager: **BRYAN HAVY**

Email: **BRYAN.HAVY@ALTIMIRA-US.COM**

Tel/Fax: **ALTAMIRA**

Analysis Turnaround Time

CALENDAR DAYS WORKING DAYS

TAT if different from Below

2 weeks

1 week

2 days

1 day

Sample Date

Sample Time

Sample Type (C=Comp, G=Grab)

Matrix

of Cont.

Filtered Sample (Y/N)

Perform MS / MSD (Y/N)

Company Name: **ALTAMIRA**

Address: **14229 PUNTA BONAFIDE**

City/State/Zip: **CC TX 78416**

Phone: **361-658-3126**

FAX: **ALTAMIRA**

Project Name: **NOV OUNION (OFFSITE)**

Site: **NOV OUNION (OFFSITE)**

P O #

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P O #

Client Contact

COC No: **1** of **1** COCs

TALS Project #: **1**

Sampler: **TSH/06**

For Lab Use Only:

Walk-in Client:

Lab Sampling:

Job / SDG No.:

Sample Specific Notes:

Company Name: **ALTAMIRA**

Address: **14229 PUNTA BONAFIDE**

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Site: **NOV OUNION (OFFSITE)**

P O #

Client Contact

Company Name: **ALTAMIRA**

Login Sample Receipt Checklist

Client: Altamira-US

Job Number: 560-100965-1

Login Number: 100965

List Source: Eurofins Corpus Christi

List Number: 1

Creator: Reynolds, Jamie K

Question	Answer	Comment
Radioactivity wasn't checked or is <=/ background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	Check done at department level as required.



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

March 29, 2022

BRYAN HANEY

ALTAMIRA - US

14229 PUNTA BONAIRE DR.

CORPUS CHRISTI, TX 78418

RE: NOVO OVATION (PAD)

Enclosed are the results of analyses for samples received by the laboratory on 03/28/22 16:49.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/ga/lab_accred_certif.html.

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

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

Cardinal Laboratories is accredited through the State of New Mexico Environment Department for:

Method SM 9223-B	Total Coliform and E. coli (Colilert MMO-MUG)
Method EPA 524.2	Regulated VOCs and Total Trihalomethanes (TTHM)
Method EPA 552.2	Total Haloacetic Acids (HAA-5)

Accreditation applies to public drinking water matrices for State of Colorado and New Mexico.

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

ALTAMIRA - US 14229 PUNTA BONAIRE DR. CORPUS CHRISTI TX, 78418	Project: NOVO OVATION (PAD) Project Number: NOVO2104 Project Manager: BRYAN HANEY Fax To:	Reported: 29-Mar-22 14:56
--	--	------------------------------

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
P - 2 (2-2.5')	H221230-01	Soil	28-Mar-22 12:22	28-Mar-22 16:49
P - 1 (2-2.5')	H221230-02	Soil	28-Mar-22 12:31	28-Mar-22 16:49
P - 4 (1-1.5')	H221230-03	Soil	28-Mar-22 12:44	28-Mar-22 16:49
P - 6 (1-1.5')	H221230-04	Soil	28-Mar-22 12:59	28-Mar-22 16:49
P - 8 (1-1.5')	H221230-05	Soil	28-Mar-22 13:40	28-Mar-22 16:49
P - 10 (1-1.5')	H221230-06	Soil	28-Mar-22 13:48	28-Mar-22 16:49
P - 12 (1-1.5')	H221230-07	Soil	28-Mar-22 13:59	28-Mar-22 16:49
P - 14 (1-1.5')	H221230-08	Soil	28-Mar-22 14:14	28-Mar-22 16:49
P - 16 (1-1.5')	H221230-09	Soil	28-Mar-22 14:36	28-Mar-22 16:49
P - 18 (1-1.5')	H221230-10	Soil	28-Mar-22 14:48	28-Mar-22 16:49

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ALTAMIRA - US
14229 PUNTA BONAIRE DR.
CORPUS CHRISTI TX, 78418

Project: NOVO OVATION (PAD)
Project Number: NOVO2104
Project Manager: BRYAN HANEY
Fax To:

Reported:
29-Mar-22 14:56

P - 2 (2-2.5')
H221230-01 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----	-----------------	-------	----------	-------	---------	----------	--------	-------

Cardinal Laboratories**Inorganic Compounds**

Chloride	144		16.0	mg/kg	4	2032906	GM	29-Mar-22	4500-CI-B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	2032836	MS	29-Mar-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2032836	MS	29-Mar-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2032836	MS	29-Mar-22	8015B	
Surrogate: 1-Chlorooctane			91.7 %	66.9-136		2032836	MS	29-Mar-22	8015B	
Surrogate: 1-Chlorooctadecane			95.2 %	59.5-142		2032836	MS	29-Mar-22	8015B	

VOLATILES BY GC/MS

Dichlorodifluoromethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Chloromethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Vinyl chloride*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Bromomethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Chloroethane*	<0.250		0.250	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Trichlorofluoromethane*	<0.250		0.250	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Carbon disulfide*	<0.250		0.250	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,1-Dichloroethene*	<0.250		0.250	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Iodomethane	<0.250		0.250	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Acrolein*	<0.250		0.250	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Methylene chloride*	<0.500		0.500	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Acetone*	<0.250		0.250	mg/kg	50	2032908	MS	29-Mar-22	8260B	
trans-1,2-Dichloroethene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Methyl t-Butyl Ether*	<0.050		0.050	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,1-Dichloroethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Acrylonitrile*	<0.050		0.050	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Vinyl acetate*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
cis-1,2-Dichloroethene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
2,2-Dichloropropane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	

Cardinal Laboratories

* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ALTAMIRA - US
14229 PUNTA BONAIRE DR.
CORPUS CHRISTI TX, 78418

Project: NOVO OVATION (PAD)
Project Number: NOVO2104
Project Manager: BRYAN HANEY
Fax To:

Reported:
29-Mar-22 14:56

P - 2 (2-2.5')**H221230-01 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----	-----------------	-------	----------	-------	---------	----------	--------	-------

Cardinal Laboratories**VOLATILES BY GC/MS**

Bromochloromethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Chloroform*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Carbon tetrachloride*	<0.050		0.050	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,1,1-Trichloroethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,1-Dichloropropene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
2-Butanone*	<0.050		0.050	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Benzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,2-Dichloroethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Trichloroethene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Dibromomethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,2-Dichloropropane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Bromodichloromethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
cis-1,3-Dichloropropene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Toluene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
4-Methyl-2-pentanone*	<0.050		0.050	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Tetrachloroethene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
trans-1,3-Dichloropropene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,1,2-Trichloroethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Dibromochloromethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,3-Dichloropropane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,2-Dibromoethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
2-Hexanone*	<0.050		0.050	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Chlorobenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Ethylbenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,1,1,2-Tetrachloroethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
m+p - Xylene*	<0.050		0.050	mg/kg	50	2032908	MS	29-Mar-22	8260B	
o-Xylene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Total Xylenes*	<0.050		0.050	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Bromoform*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	

Cardinal Laboratories

* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ALTAMIRA - US
14229 PUNTA BONAIRE DR.
CORPUS CHRISTI TX, 78418

Project: NOVO OVATION (PAD)
Project Number: NOVO2104
Project Manager: BRYAN HANEY
Fax To:

Reported:
29-Mar-22 14:56

P - 2 (2-2.5')

H221230-01 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**VOLATILES BY GC/MS**

Styrene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Isopropylbenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Bromobenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
n-Propylbenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,1,2,2-Tetrachloroethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
2-Chlorotoluene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,2,3-trichloropropane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,3,5-Trimethylbenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
trans-1,4-Dichloro-2-butene	<0.250		0.250	mg/kg	50	2032908	MS	29-Mar-22	8260B	
4-Chlorotoluene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
tert-Butylbenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,2,4-Trimethylbenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
sec-Butylbenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
p-Isopropyltoluene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,3-Dichlorobenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,4 Dichlorobenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
n-Butylbenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,2-Dichlorobenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,2-Dibromo-3-chloropropane*	<0.250		0.250	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Hexachlorobutadiene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,2,4-Trichlorobenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Naphthalene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,2,3-Trichlorobenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,4-Dioxane	<6.25		6.25	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Surrogate: Dibromofluoromethane			97.0 %	84.6-114		2032908	MS	29-Mar-22	8260B	
Surrogate: Toluene-d8			104 %	90.4-109		2032908	MS	29-Mar-22	8260B	
Surrogate: 4-Bromofluorobenzene			91.3 %	82.5-117		2032908	MS	29-Mar-22	8260B	

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* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ALTAMIRA - US
14229 PUNTA BONAIRE DR.
CORPUS CHRISTI TX, 78418

Project: NOVO OVATION (PAD)
Project Number: NOVO2104
Project Manager: BRYAN HANEY
Fax To:

Reported:
29-Mar-22 14:56

P - 1 (2-2.5')

H221230-02 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	80.0		16.0	mg/kg	4	2032906	GM	29-Mar-22	4500-Cl-B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	2032836	MS	29-Mar-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2032836	MS	29-Mar-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2032836	MS	29-Mar-22	8015B	
Surrogate: 1-Chlorooctane			92.7 %	66.9-136		2032836	MS	29-Mar-22	8015B	
Surrogate: 1-Chlorooctadecane			96.9 %	59.5-142		2032836	MS	29-Mar-22	8015B	

VOLATILES BY GC/MS

Dichlorodifluoromethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Chloromethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Vinyl chloride*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Bromomethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Chloroethane*	<0.250		0.250	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Trichlorofluoromethane*	<0.250		0.250	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Carbon disulfide*	<0.250		0.250	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,1-Dichloroethene*	<0.250		0.250	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Iodomethane	<0.250		0.250	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Acrolein*	<0.250		0.250	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Methylene chloride*	<0.500		0.500	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Acetone*	<0.250		0.250	mg/kg	50	2032908	MS	29-Mar-22	8260B	
trans-1,2-Dichloroethene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Methyl t-Butyl Ether*	<0.050		0.050	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,1-Dichloroethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Acrylonitrile*	<0.050		0.050	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Vinyl acetate*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
cis-1,2-Dichloroethene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
2,2-Dichloropropane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	

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* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ALTAMIRA - US 14229 PUNTA BONAIRE DR. CORPUS CHRISTI TX, 78418	Project: NOVO OVATION (PAD) Project Number: NOVO2104 Project Manager: BRYAN HANEY Fax To:	Reported: 29-Mar-22 14:56
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**P - 1 (2-2.5')
H221230-02 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

VOLATILES BY GC/MS

Bromochloromethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Chloroform*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Carbon tetrachloride*	<0.050		0.050	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,1,1-Trichloroethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,1-Dichloropropene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
2-Butanone*	<0.050		0.050	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Benzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,2-Dichloroethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Trichloroethene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Dibromomethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,2-Dichloropropane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Bromodichloromethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
cis-1,3-Dichloropropene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Toluene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
4-Methyl-2-pentanone*	<0.050		0.050	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Tetrachloroethene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
trans-1,3-Dichloropropene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,1,2-Trichloroethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Dibromochloromethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,3-Dichloropropane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,2-Dibromoethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
2-Hexanone*	<0.050		0.050	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Chlorobenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Ethylbenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,1,1,2-Tetrachloroethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
m+p - Xylene*	<0.050		0.050	mg/kg	50	2032908	MS	29-Mar-22	8260B	
o-Xylene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Total Xylenes*	<0.050		0.050	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Bromoform*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ALTAMIRA - US
14229 PUNTA BONAIRE DR.
CORPUS CHRISTI TX, 78418

Project: NOVO OVATION (PAD)
Project Number: NOVO2104
Project Manager: BRYAN HANEY
Fax To:

Reported:
29-Mar-22 14:56

P - 1 (2-2.5')**H221230-02 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**VOLATILES BY GC/MS**

Styrene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Isopropylbenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Bromobenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
n-Propylbenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,1,2,2-Tetrachloroethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
2-Chlorotoluene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,2,3-trichloropropane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,3,5-Trimethylbenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
trans-1,4-Dichloro-2-butene	<0.250		0.250	mg/kg	50	2032908	MS	29-Mar-22	8260B	
4-Chlorotoluene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
tert-Butylbenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,2,4-Trimethylbenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
sec-Butylbenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
p-Isopropyltoluene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,3-Dichlorobenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,4 Dichlorobenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
n-Butylbenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,2-Dichlorobenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,2-Dibromo-3-chloropropane*	<0.250		0.250	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Hexachlorobutadiene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,2,4-Trichlorobenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Naphthalene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,2,3-Trichlorobenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,4-Dioxane	<6.25		6.25	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Surrogate: Dibromofluoromethane			98.5 %	84.6-114		2032908	MS	29-Mar-22	8260B	
Surrogate: Toluene-d8			106 %	90.4-109		2032908	MS	29-Mar-22	8260B	
Surrogate: 4-Bromofluorobenzene			90.8 %	82.5-117		2032908	MS	29-Mar-22	8260B	

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* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ALTAMIRA - US 14229 PUNTA BONAIRE DR. CORPUS CHRISTI TX, 78418	Project: NOVO OVATION (PAD) Project Number: NOVO2104 Project Manager: BRYAN HANEY Fax To:	Reported: 29-Mar-22 14:56
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P - 4 (1-1.5')
H221230-03 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Chloride	2520		16.0	mg/kg	4	2032906	GM	29-Mar-22	4500-Cl-B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	2032836	MS	29-Mar-22	8015B	
DRO >C10-C28*	49.4		10.0	mg/kg	1	2032836	MS	29-Mar-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2032836	MS	29-Mar-22	8015B	
Surrogate: 1-Chlorooctane			84.7 %	66.9-136		2032836	MS	29-Mar-22	8015B	
Surrogate: 1-Chlorooctadecane			89.5 %	59.5-142		2032836	MS	29-Mar-22	8015B	

VOLATILES BY GC/MS

Dichlorodifluoromethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Chloromethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Vinyl chloride*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Bromomethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Chloroethane*	<0.250		0.250	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Trichlorofluoromethane*	<0.250		0.250	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,1-Dichloroethene*	<0.250		0.250	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Carbon disulfide*	<0.250		0.250	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Iodomethane	<0.250		0.250	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Acrolein*	<0.250		0.250	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Methylene chloride*	<0.500		0.500	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Acetone*	<0.250		0.250	mg/kg	50	2032908	MS	29-Mar-22	8260B	
trans-1,2-Dichloroethene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Methyl t-Butyl Ether*	<0.050		0.050	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,1-Dichloroethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Acrylonitrile*	<0.050		0.050	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Vinyl acetate*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
cis-1,2-Dichloroethene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
2,2-Dichloropropane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ALTAMIRA - US
14229 PUNTA BONAIRE DR.
CORPUS CHRISTI TX, 78418

Project: NOVO OVATION (PAD)
Project Number: NOVO2104
Project Manager: BRYAN HANEY
Fax To:

Reported:
29-Mar-22 14:56

P - 4 (1-1.5')**H221230-03 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**VOLATILES BY GC/MS**

Bromochloromethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Chloroform*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Carbon tetrachloride*	<0.050		0.050	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,1,1-Trichloroethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,1-Dichloropropene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
2-Butanone*	<0.050		0.050	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Benzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,2-Dichloroethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Trichloroethene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Dibromomethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,2-Dichloropropane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Bromodichloromethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
cis-1,3-Dichloropropene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Toluene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
4-Methyl-2-pentanone*	<0.050		0.050	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Tetrachloroethene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
trans-1,3-Dichloropropene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,1,2-Trichloroethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Dibromochloromethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,3-Dichloropropane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,2-Dibromoethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
2-Hexanone*	<0.050		0.050	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Chlorobenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Ethylbenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,1,1,2-Tetrachloroethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
m+p - Xylene*	<0.050		0.050	mg/kg	50	2032908	MS	29-Mar-22	8260B	
o-Xylene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Total Xylenes*	<0.050		0.050	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Bromoform*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ALTAMIRA - US
14229 PUNTA BONAIRE DR.
CORPUS CHRISTI TX, 78418

Project: NOVO OVATION (PAD)
Project Number: NOVO2104
Project Manager: BRYAN HANEY
Fax To:

Reported:
29-Mar-22 14:56

P - 4 (1-1.5')
H221230-03 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**VOLATILES BY GC/MS**

Styrene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Isopropylbenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Bromobenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
n-Propylbenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,1,2,2-Tetrachloroethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
2-Chlorotoluene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,2,3-trichloropropane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,3,5-Trimethylbenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
trans-1,4-Dichloro-2-butene	<0.250		0.250	mg/kg	50	2032908	MS	29-Mar-22	8260B	
4-Chlorotoluene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
tert-Butylbenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,2,4-Trimethylbenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
sec-Butylbenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
p-Isopropyltoluene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,3-Dichlorobenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,4 Dichlorobenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
n-Butylbenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,2-Dichlorobenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,2-Dibromo-3-chloropropane*	<0.250		0.250	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Hexachlorobutadiene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,2,4-Trichlorobenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Naphthalene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,2,3-Trichlorobenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,4-Dioxane	<6.25		6.25	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Surrogate: Dibromofluoromethane			98.2 %	84.6-114		2032908	MS	29-Mar-22	8260B	
Surrogate: Toluene-d8			103 %	90.4-109		2032908	MS	29-Mar-22	8260B	
Surrogate: 4-Bromofluorobenzene			90.5 %	82.5-117		2032908	MS	29-Mar-22	8260B	

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* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ALTAMIRA - US 14229 PUNTA BONAIRE DR. CORPUS CHRISTI TX, 78418	Project: NOVO OVATION (PAD) Project Number: NOVO2104 Project Manager: BRYAN HANEY Fax To:	Reported: 29-Mar-22 14:56
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P - 6 (1-1.5')

H221230-04 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Chloride	160		16.0	mg/kg	4	2032906	GM	29-Mar-22	4500-Cl-B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	2032836	MS	29-Mar-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2032836	MS	29-Mar-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2032836	MS	29-Mar-22	8015B	
Surrogate: 1-Chlorooctane			91.0 %	66.9-136		2032836	MS	29-Mar-22	8015B	
Surrogate: 1-Chlorooctadecane			94.9 %	59.5-142		2032836	MS	29-Mar-22	8015B	

VOLATILES BY GC/MS

Dichlorodifluoromethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Chloromethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Vinyl chloride*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Bromomethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Chloroethane*	<0.250		0.250	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Trichlorofluoromethane*	<0.250		0.250	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Carbon disulfide*	<0.250		0.250	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,1-Dichloroethene*	<0.250		0.250	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Iodomethane	<0.250		0.250	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Acrolein*	<0.250		0.250	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Methylene chloride*	<0.500		0.500	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Acetone*	<0.250		0.250	mg/kg	50	2032908	MS	29-Mar-22	8260B	
trans-1,2-Dichloroethene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Methyl t-Butyl Ether*	<0.050		0.050	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,1-Dichloroethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Acrylonitrile*	<0.050		0.050	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Vinyl acetate*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
cis-1,2-Dichloroethene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
2,2-Dichloropropane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ALTAMIRA - US
14229 PUNTA BONAIRE DR.
CORPUS CHRISTI TX, 78418

Project: NOVO OVATION (PAD)
Project Number: NOVO2104
Project Manager: BRYAN HANEY
Fax To:

Reported:
29-Mar-22 14:56

P - 6 (1-1.5')**H221230-04 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**VOLATILES BY GC/MS**

Bromochloromethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Chloroform*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Carbon tetrachloride*	<0.050		0.050	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,1,1-Trichloroethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,1-Dichloropropene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
2-Butanone*	<0.050		0.050	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Benzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,2-Dichloroethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Trichloroethene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Dibromomethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,2-Dichloropropane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Bromodichloromethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
cis-1,3-Dichloropropene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Toluene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
4-Methyl-2-pentanone*	<0.050		0.050	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Tetrachloroethene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
trans-1,3-Dichloropropene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,1,2-Trichloroethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Dibromochloromethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,3-Dichloropropane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,2-Dibromoethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
2-Hexanone*	<0.050		0.050	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Chlorobenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Ethylbenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,1,1,2-Tetrachloroethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
m+p - Xylene*	<0.050		0.050	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Total Xylenes*	<0.050		0.050	mg/kg	50	2032908	MS	29-Mar-22	8260B	
o-Xylene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Bromoform*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ALTAMIRA - US
14229 PUNTA BONAIRE DR.
CORPUS CHRISTI TX, 78418

Project: NOVO OVATION (PAD)
Project Number: NOVO2104
Project Manager: BRYAN HANEY
Fax To:

Reported:
29-Mar-22 14:56

P - 6 (1-1.5')
H221230-04 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**VOLATILES BY GC/MS**

Styrene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Isopropylbenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Bromobenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
n-Propylbenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,1,2,2-Tetrachloroethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
2-Chlorotoluene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,2,3-trichloropropane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,3,5-Trimethylbenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
trans-1,4-Dichloro-2-butene	<0.250		0.250	mg/kg	50	2032908	MS	29-Mar-22	8260B	
4-Chlorotoluene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
tert-Butylbenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,2,4-Trimethylbenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
sec-Butylbenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
p-Isopropyltoluene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,3-Dichlorobenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,4 Dichlorobenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
n-Butylbenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,2-Dichlorobenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,2-Dibromo-3-chloropropane*	<0.250		0.250	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Hexachlorobutadiene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,2,4-Trichlorobenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Naphthalene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,2,3-Trichlorobenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,4-Dioxane	<6.25		6.25	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Surrogate: Dibromofluoromethane			99.3 %	84.6-114		2032908	MS	29-Mar-22	8260B	
Surrogate: Toluene-d8			104 %	90.4-109		2032908	MS	29-Mar-22	8260B	
Surrogate: 4-Bromofluorobenzene			93.2 %	82.5-117		2032908	MS	29-Mar-22	8260B	

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* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ALTAMIRA - US 14229 PUNTA BONAIRE DR. CORPUS CHRISTI TX, 78418	Project: NOVO OVATION (PAD) Project Number: NOVO2104 Project Manager: BRYAN HANEY Fax To:	Reported: 29-Mar-22 14:56
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P - 8 (1-1.5')
H221230-05 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Chloride	128		16.0	mg/kg	4	2032907	GM	29-Mar-22	4500-Cl-B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	2032836	MS	29-Mar-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2032836	MS	29-Mar-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2032836	MS	29-Mar-22	8015B	
Surrogate: 1-Chlorooctane			91.9 %	66.9-136		2032836	MS	29-Mar-22	8015B	
Surrogate: 1-Chlorooctadecane			95.0 %	59.5-142		2032836	MS	29-Mar-22	8015B	

VOLATILES BY GC/MS

Dichlorodifluoromethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Chloromethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Vinyl chloride*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Bromomethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Chloroethane*	<0.250		0.250	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Trichlorofluoromethane*	<0.250		0.250	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,1-Dichloroethene*	<0.250		0.250	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Carbon disulfide*	<0.250		0.250	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Iodomethane	<0.250		0.250	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Acrolein*	<0.250		0.250	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Methylene chloride*	<0.500		0.500	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Acetone*	<0.250		0.250	mg/kg	50	2032908	MS	29-Mar-22	8260B	
trans-1,2-Dichloroethene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Methyl t-Butyl Ether*	<0.050		0.050	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,1-Dichloroethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Acrylonitrile*	<0.050		0.050	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Vinyl acetate*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
cis-1,2-Dichloroethene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
2,2-Dichloropropane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ALTAMIRA - US
14229 PUNTA BONAIRE DR.
CORPUS CHRISTI TX, 78418

Project: NOVO OVATION (PAD)
Project Number: NOVO2104
Project Manager: BRYAN HANEY
Fax To:

Reported:
29-Mar-22 14:56

P - 8 (1-1.5')**H221230-05 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**VOLATILES BY GC/MS**

Bromochloromethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Chloroform*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Carbon tetrachloride*	<0.050		0.050	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,1,1-Trichloroethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,1-Dichloropropene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
2-Butanone*	<0.050		0.050	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Benzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,2-Dichloroethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Trichloroethene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Dibromomethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,2-Dichloropropane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Bromodichloromethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
cis-1,3-Dichloropropene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Toluene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
4-Methyl-2-pentanone*	<0.050		0.050	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Tetrachloroethene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
trans-1,3-Dichloropropene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,1,2-Trichloroethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Dibromochloromethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,3-Dichloropropane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,2-Dibromoethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
2-Hexanone*	<0.050		0.050	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Chlorobenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Ethylbenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,1,1,2-Tetrachloroethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
m+p - Xylene*	<0.050		0.050	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Total Xylenes*	<0.050		0.050	mg/kg	50	2032908	MS	29-Mar-22	8260B	
o-Xylene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Bromoform*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ALTAMIRA - US
14229 PUNTA BONAIRE DR.
CORPUS CHRISTI TX, 78418

Project: NOVO OVATION (PAD)
Project Number: NOVO2104
Project Manager: BRYAN HANEY
Fax To:

Reported:
29-Mar-22 14:56

P - 8 (1-1.5')**H221230-05 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**VOLATILES BY GC/MS**

Styrene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Isopropylbenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Bromobenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
n-Propylbenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,1,2,2-Tetrachloroethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
2-Chlorotoluene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,2,3-trichloropropane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,3,5-Trimethylbenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
trans-1,4-Dichloro-2-butene	<0.250		0.250	mg/kg	50	2032908	MS	29-Mar-22	8260B	
4-Chlorotoluene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
tert-Butylbenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,2,4-Trimethylbenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
sec-Butylbenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
p-Isopropyltoluene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,3-Dichlorobenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,4 Dichlorobenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
n-Butylbenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,2-Dichlorobenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,2-Dibromo-3-chloropropane*	<0.250		0.250	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Hexachlorobutadiene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,2,4-Trichlorobenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Naphthalene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,2,3-Trichlorobenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,4-Dioxane	<6.25		6.25	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Surrogate: Dibromofluoromethane			97.6 %	84.6-114		2032908	MS	29-Mar-22	8260B	
Surrogate: Toluene-d8			105 %	90.4-109		2032908	MS	29-Mar-22	8260B	
Surrogate: 4-Bromofluorobenzene			92.6 %	82.5-117		2032908	MS	29-Mar-22	8260B	

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ALTAMIRA - US 14229 PUNTA BONAIRE DR. CORPUS CHRISTI TX, 78418	Project: NOVO OVATION (PAD) Project Number: NOVO2104 Project Manager: BRYAN HANEY Fax To:	Reported: 29-Mar-22 14:56
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**P - 10 (1-1.5')
H221230-06 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Chloride	144		16.0	mg/kg	4	2032907	GM	29-Mar-22	4500-Cl-B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	2032836	MS	29-Mar-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2032836	MS	29-Mar-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2032836	MS	29-Mar-22	8015B	
Surrogate: 1-Chlorooctane			86.5 %	66.9-136		2032836	MS	29-Mar-22	8015B	
Surrogate: 1-Chlorooctadecane			89.2 %	59.5-142		2032836	MS	29-Mar-22	8015B	

VOLATILES BY GC/MS

Dichlorodifluoromethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Chloromethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Vinyl chloride*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Bromomethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Chloroethane*	<0.250		0.250	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Trichlorofluoromethane*	<0.250		0.250	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Carbon disulfide*	<0.250		0.250	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,1-Dichloroethene*	<0.250		0.250	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Iodomethane	<0.250		0.250	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Acrolein*	<0.250		0.250	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Methylene chloride*	<0.500		0.500	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Acetone*	<0.250		0.250	mg/kg	50	2032908	MS	29-Mar-22	8260B	
trans-1,2-Dichloroethene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Methyl t-Butyl Ether*	<0.050		0.050	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,1-Dichloroethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Acrylonitrile*	<0.050		0.050	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Vinyl acetate*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
cis-1,2-Dichloroethene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
2,2-Dichloropropane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ALTAMIRA - US 14229 PUNTA BONAIRE DR. CORPUS CHRISTI TX, 78418	Project: NOVO OVATION (PAD) Project Number: NOVO2104 Project Manager: BRYAN HANEY Fax To:	Reported: 29-Mar-22 14:56
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**P - 10 (1-1.5')
H221230-06 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

VOLATILES BY GC/MS

Bromochloromethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Chloroform*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Carbon tetrachloride*	<0.050		0.050	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,1,1-Trichloroethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,1-Dichloropropene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
2-Butanone*	<0.050		0.050	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Benzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,2-Dichloroethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Trichloroethene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Dibromomethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,2-Dichloropropane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Bromodichloromethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
cis-1,3-Dichloropropene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Toluene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
4-Methyl-2-pentanone*	<0.050		0.050	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Tetrachloroethene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
trans-1,3-Dichloropropene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,1,2-Trichloroethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Dibromochloromethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,3-Dichloropropane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,2-Dibromoethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
2-Hexanone*	<0.050		0.050	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Chlorobenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Ethylbenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,1,1,2-Tetrachloroethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
m+p - Xylene*	<0.050		0.050	mg/kg	50	2032908	MS	29-Mar-22	8260B	
o-Xylene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Total Xylenes*	<0.050		0.050	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Bromoform*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ALTAMIRA - US
14229 PUNTA BONAIRE DR.
CORPUS CHRISTI TX, 78418

Project: NOVO OVATION (PAD)
Project Number: NOVO2104
Project Manager: BRYAN HANEY
Fax To:

Reported:
29-Mar-22 14:56

P - 10 (1-1.5')**H221230-06 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**VOLATILES BY GC/MS**

Styrene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Isopropylbenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Bromobenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
n-Propylbenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,1,2,2-Tetrachloroethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
2-Chlorotoluene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,2,3-trichloropropane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,3,5-Trimethylbenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
trans-1,4-Dichloro-2-butene	<0.250		0.250	mg/kg	50	2032908	MS	29-Mar-22	8260B	
4-Chlorotoluene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
tert-Butylbenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,2,4-Trimethylbenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
sec-Butylbenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
p-Isopropyltoluene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,3-Dichlorobenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,4 Dichlorobenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
n-Butylbenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,2-Dichlorobenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,2-Dibromo-3-chloropropane*	<0.250		0.250	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Hexachlorobutadiene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,2,4-Trichlorobenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Naphthalene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,2,3-Trichlorobenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,4-Dioxane	<6.25		6.25	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Surrogate: Dibromofluoromethane			97.8 %	84.6-114		2032908	MS	29-Mar-22	8260B	
Surrogate: Toluene-d8			104 %	90.4-109		2032908	MS	29-Mar-22	8260B	
Surrogate: 4-Bromofluorobenzene			91.9 %	82.5-117		2032908	MS	29-Mar-22	8260B	

Cardinal Laboratories

* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ALTAMIRA - US 14229 PUNTA BONAIRE DR. CORPUS CHRISTI TX, 78418	Project: NOVO OVATION (PAD) Project Number: NOVO2104 Project Manager: BRYAN HANEY Fax To:	Reported: 29-Mar-22 14:56
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P - 12 (1-1.5')

H221230-07 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Chloride	112		16.0	mg/kg	4	2032907	GM	29-Mar-22	4500-Cl-B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	2032836	MS	29-Mar-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2032836	MS	29-Mar-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2032836	MS	29-Mar-22	8015B	
Surrogate: 1-Chlorooctane			83.8 %	66.9-136		2032836	MS	29-Mar-22	8015B	
Surrogate: 1-Chlorooctadecane			87.4 %	59.5-142		2032836	MS	29-Mar-22	8015B	

VOLATILES BY GC/MS

Dichlorodifluoromethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Chloromethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Vinyl chloride*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Bromomethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Chloroethane*	<0.250		0.250	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Trichlorofluoromethane*	<0.250		0.250	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Carbon disulfide*	<0.250		0.250	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,1-Dichloroethene*	<0.250		0.250	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Iodomethane	<0.250		0.250	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Acrolein*	<0.250		0.250	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Methylene chloride*	<0.500		0.500	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Acetone*	<0.250		0.250	mg/kg	50	2032908	MS	29-Mar-22	8260B	
trans-1,2-Dichloroethene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Methyl t-Butyl Ether*	<0.050		0.050	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,1-Dichloroethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Acrylonitrile*	<0.050		0.050	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Vinyl acetate*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
cis-1,2-Dichloroethene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
2,2-Dichloropropane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ALTAMIRA - US
14229 PUNTA BONAIRE DR.
CORPUS CHRISTI TX, 78418

Project: NOVO OVATION (PAD)
Project Number: NOVO2104
Project Manager: BRYAN HANEY
Fax To:

Reported:
29-Mar-22 14:56

P - 12 (1-1.5')**H221230-07 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**VOLATILES BY GC/MS**

Bromochloromethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Chloroform*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Carbon tetrachloride*	<0.050		0.050	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,1,1-Trichloroethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,1-Dichloropropene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
2-Butanone*	<0.050		0.050	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Benzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,2-Dichloroethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Trichloroethene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Dibromomethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,2-Dichloropropane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Bromodichloromethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
cis-1,3-Dichloropropene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Toluene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
4-Methyl-2-pentanone*	<0.050		0.050	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Tetrachloroethene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
trans-1,3-Dichloropropene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,1,2-Trichloroethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Dibromochloromethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,3-Dichloropropane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,2-Dibromoethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
2-Hexanone*	<0.050		0.050	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Chlorobenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Ethylbenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,1,1,2-Tetrachloroethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
m+p - Xylene*	<0.050		0.050	mg/kg	50	2032908	MS	29-Mar-22	8260B	
o-Xylene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Total Xylenes*	<0.050		0.050	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Bromoform*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	

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* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ALTAMIRA - US
14229 PUNTA BONAIRE DR.
CORPUS CHRISTI TX, 78418

Project: NOVO OVATION (PAD)
Project Number: NOVO2104
Project Manager: BRYAN HANEY
Fax To:

Reported:
29-Mar-22 14:56

P - 12 (1-1.5')**H221230-07 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**VOLATILES BY GC/MS**

Styrene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Isopropylbenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Bromobenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
n-Propylbenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,1,2,2-Tetrachloroethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
2-Chlorotoluene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,2,3-trichloropropane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,3,5-Trimethylbenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
trans-1,4-Dichloro-2-butene	<0.250		0.250	mg/kg	50	2032908	MS	29-Mar-22	8260B	
4-Chlorotoluene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
tert-Butylbenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,2,4-Trimethylbenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
sec-Butylbenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
p-Isopropyltoluene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,3-Dichlorobenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,4 Dichlorobenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
n-Butylbenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,2-Dichlorobenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,2-Dibromo-3-chloropropane*	<0.250		0.250	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Hexachlorobutadiene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,2,4-Trichlorobenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Naphthalene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,2,3-Trichlorobenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,4-Dioxane	<6.25		6.25	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Surrogate: Dibromofluoromethane			97.2 %	84.6-114		2032908	MS	29-Mar-22	8260B	
Surrogate: Toluene-d8			103 %	90.4-109		2032908	MS	29-Mar-22	8260B	
Surrogate: 4-Bromofluorobenzene			91.1 %	82.5-117		2032908	MS	29-Mar-22	8260B	

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* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ALTAMIRA - US
14229 PUNTA BONAIRE DR.
CORPUS CHRISTI TX, 78418

Project: NOVO OVATION (PAD)
Project Number: NOVO2104
Project Manager: BRYAN HANEY
Fax To:

Reported:
29-Mar-22 14:56

P - 14 (1-1.5')**H221230-08 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	144		16.0	mg/kg	4	2032907	GM	29-Mar-22	4500-Cl-B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	2032836	MS	29-Mar-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2032836	MS	29-Mar-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2032836	MS	29-Mar-22	8015B	
Surrogate: 1-Chlorooctane			88.2 %	66.9-136		2032836	MS	29-Mar-22	8015B	
Surrogate: 1-Chlorooctadecane			92.3 %	59.5-142		2032836	MS	29-Mar-22	8015B	

VOLATILES BY GC/MS

Dichlorodifluoromethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Chloromethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Vinyl chloride*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Bromomethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Chloroethane*	<0.250		0.250	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Trichlorofluoromethane*	<0.250		0.250	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,1-Dichloroethene*	<0.250		0.250	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Carbon disulfide*	<0.250		0.250	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Iodomethane	<0.250		0.250	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Acrolein*	<0.250		0.250	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Methylene chloride*	<0.500		0.500	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Acetone*	<0.250		0.250	mg/kg	50	2032908	MS	29-Mar-22	8260B	
trans-1,2-Dichloroethene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Methyl t-Butyl Ether*	<0.050		0.050	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,1-Dichloroethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Acrylonitrile*	<0.050		0.050	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Vinyl acetate*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
cis-1,2-Dichloroethene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
2,2-Dichloropropane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ALTAMIRA - US
14229 PUNTA BONAIRE DR.
CORPUS CHRISTI TX, 78418

Project: NOVO OVATION (PAD)
Project Number: NOVO2104
Project Manager: BRYAN HANEY
Fax To:

Reported:
29-Mar-22 14:56

P - 14 (1-1.5')**H221230-08 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----	-----------------	-------	----------	-------	---------	----------	--------	-------

Cardinal Laboratories**VOLATILES BY GC/MS**

Bromochloromethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Chloroform*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Carbon tetrachloride*	<0.050		0.050	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,1,1-Trichloroethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,1-Dichloropropene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
2-Butanone*	<0.050		0.050	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Benzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,2-Dichloroethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Trichloroethene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Dibromomethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,2-Dichloropropane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Bromodichloromethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
cis-1,3-Dichloropropene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Toluene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
4-Methyl-2-pentanone*	<0.050		0.050	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Tetrachloroethene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
trans-1,3-Dichloropropene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,1,2-Trichloroethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Dibromochloromethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,3-Dichloropropane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,2-Dibromoethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
2-Hexanone*	<0.050		0.050	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Chlorobenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Ethylbenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,1,1,2-Tetrachloroethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
m+p - Xylene*	<0.050		0.050	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Total Xylenes*	<0.050		0.050	mg/kg	50	2032908	MS	29-Mar-22	8260B	
o-Xylene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Bromoform*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	

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* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ALTAMIRA - US
14229 PUNTA BONAIRE DR.
CORPUS CHRISTI TX, 78418

Project: NOVO OVATION (PAD)
Project Number: NOVO2104
Project Manager: BRYAN HANEY
Fax To:

Reported:
29-Mar-22 14:56

P - 14 (1-1.5')**H221230-08 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**VOLATILES BY GC/MS**

Styrene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Isopropylbenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Bromobenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
n-Propylbenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,1,2,2-Tetrachloroethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
2-Chlorotoluene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,2,3-trichloropropane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,3,5-Trimethylbenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
trans-1,4-Dichloro-2-butene	<0.250		0.250	mg/kg	50	2032908	MS	29-Mar-22	8260B	
4-Chlorotoluene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
tert-Butylbenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,2,4-Trimethylbenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
sec-Butylbenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
p-Isopropyltoluene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,3-Dichlorobenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,4 Dichlorobenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
n-Butylbenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,2-Dichlorobenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,2-Dibromo-3-chloropropane*	<0.250		0.250	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Hexachlorobutadiene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,2,4-Trichlorobenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Naphthalene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,2,3-Trichlorobenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,4-Dioxane	<6.25		6.25	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Surrogate: Dibromofluoromethane			97.8 %	84.6-114		2032908	MS	29-Mar-22	8260B	
Surrogate: Toluene-d8			104 %	90.4-109		2032908	MS	29-Mar-22	8260B	
Surrogate: 4-Bromofluorobenzene			91.0 %	82.5-117		2032908	MS	29-Mar-22	8260B	

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ALTAMIRA - US 14229 PUNTA BONAIRE DR. CORPUS CHRISTI TX, 78418	Project: NOVO OVATION (PAD) Project Number: NOVO2104 Project Manager: BRYAN HANEY Fax To:	Reported: 29-Mar-22 14:56
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**P - 16 (1-1.5')
H221230-09 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Chloride	80.0		16.0	mg/kg	4	2032907	GM	29-Mar-22	4500-Cl-B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	2032836	MS	29-Mar-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2032836	MS	29-Mar-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2032836	MS	29-Mar-22	8015B	
Surrogate: 1-Chlorooctane			86.7 %	66.9-136		2032836	MS	29-Mar-22	8015B	
Surrogate: 1-Chlorooctadecane			89.7 %	59.5-142		2032836	MS	29-Mar-22	8015B	

VOLATILES BY GC/MS

Dichlorodifluoromethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Chloromethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Vinyl chloride*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Bromomethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Chloroethane*	<0.250		0.250	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Trichlorofluoromethane*	<0.250		0.250	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Carbon disulfide*	<0.250		0.250	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,1-Dichloroethene*	<0.250		0.250	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Iodomethane	<0.250		0.250	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Acrolein*	<0.250		0.250	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Methylene chloride*	<0.500		0.500	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Acetone*	<0.250		0.250	mg/kg	50	2032908	MS	29-Mar-22	8260B	
trans-1,2-Dichloroethene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Methyl t-Butyl Ether*	<0.050		0.050	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,1-Dichloroethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Acrylonitrile*	<0.050		0.050	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Vinyl acetate*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
cis-1,2-Dichloroethene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
2,2-Dichloropropane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ALTAMIRA - US 14229 PUNTA BONAIRE DR. CORPUS CHRISTI TX, 78418	Project: NOVO OVATION (PAD) Project Number: NOVO2104 Project Manager: BRYAN HANEY Fax To:	Reported: 29-Mar-22 14:56
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**P - 16 (1-1.5')
H221230-09 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

VOLATILES BY GC/MS

Bromochloromethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Chloroform*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Carbon tetrachloride*	<0.050		0.050	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,1,1-Trichloroethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,1-Dichloropropene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
2-Butanone*	<0.050		0.050	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Benzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,2-Dichloroethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Trichloroethene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Dibromomethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,2-Dichloropropane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Bromodichloromethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
cis-1,3-Dichloropropene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Toluene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
4-Methyl-2-pentanone*	<0.050		0.050	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Tetrachloroethene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
trans-1,3-Dichloropropene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,1,2-Trichloroethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Dibromochloromethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,3-Dichloropropane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,2-Dibromoethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
2-Hexanone*	<0.050		0.050	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Chlorobenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Ethylbenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,1,1,2-Tetrachloroethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
m+p - Xylene*	<0.050		0.050	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Total Xylenes*	<0.050		0.050	mg/kg	50	2032908	MS	29-Mar-22	8260B	
o-Xylene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Bromoform*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ALTAMIRA - US
14229 PUNTA BONAIRE DR.
CORPUS CHRISTI TX, 78418

Project: NOVO OVATION (PAD)
Project Number: NOVO2104
Project Manager: BRYAN HANEY
Fax To:

Reported:
29-Mar-22 14:56

P - 16 (1-1.5')**H221230-09 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**VOLATILES BY GC/MS**

Styrene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Isopropylbenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Bromobenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
n-Propylbenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,1,2,2-Tetrachloroethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
2-Chlorotoluene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,2,3-trichloropropane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,3,5-Trimethylbenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
trans-1,4-Dichloro-2-butene	<0.250		0.250	mg/kg	50	2032908	MS	29-Mar-22	8260B	
4-Chlorotoluene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
tert-Butylbenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,2,4-Trimethylbenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
sec-Butylbenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
p-Isopropyltoluene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,3-Dichlorobenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,4 Dichlorobenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
n-Butylbenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,2-Dichlorobenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,2-Dibromo-3-chloropropane*	<0.250		0.250	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Hexachlorobutadiene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,2,4-Trichlorobenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Naphthalene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,2,3-Trichlorobenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,4-Dioxane	<6.25		6.25	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Surrogate: Dibromofluoromethane			97.1 %	84.6-114		2032908	MS	29-Mar-22	8260B	
Surrogate: Toluene-d8			105 %	90.4-109		2032908	MS	29-Mar-22	8260B	
Surrogate: 4-Bromofluorobenzene			92.9 %	82.5-117		2032908	MS	29-Mar-22	8260B	

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* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ALTAMIRA - US 14229 PUNTA BONAIRE DR. CORPUS CHRISTI TX, 78418	Project: NOVO OVATION (PAD) Project Number: NOVO2104 Project Manager: BRYAN HANEY Fax To:	Reported: 29-Mar-22 14:56
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P - 18 (1-1.5')

H221230-10 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Chloride	48.0		16.0	mg/kg	4	2032907	GM	29-Mar-22	4500-Cl-B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	2032836	MS	29-Mar-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2032836	MS	29-Mar-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2032836	MS	29-Mar-22	8015B	
Surrogate: 1-Chlorooctane			84.1 %	66.9-136		2032836	MS	29-Mar-22	8015B	
Surrogate: 1-Chlorooctadecane			86.6 %	59.5-142		2032836	MS	29-Mar-22	8015B	

VOLATILES BY GC/MS

Dichlorodifluoromethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Chloromethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Vinyl chloride*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Bromomethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Chloroethane*	<0.250		0.250	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Trichlorofluoromethane*	<0.250		0.250	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,1-Dichloroethene*	<0.250		0.250	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Carbon disulfide*	<0.250		0.250	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Iodomethane	<0.250		0.250	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Acrolein*	<0.250		0.250	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Methylene chloride*	<0.500		0.500	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Acetone*	<0.250		0.250	mg/kg	50	2032908	MS	29-Mar-22	8260B	
trans-1,2-Dichloroethene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Methyl t-Butyl Ether*	<0.050		0.050	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,1-Dichloroethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Acrylonitrile*	<0.050		0.050	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Vinyl acetate*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
cis-1,2-Dichloroethene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
2,2-Dichloropropane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ALTAMIRA - US
14229 PUNTA BONAIRE DR.
CORPUS CHRISTI TX, 78418

Project: NOVO OVATION (PAD)
Project Number: NOVO2104
Project Manager: BRYAN HANEY
Fax To:

Reported:
29-Mar-22 14:56

P - 18 (1-1.5')**H221230-10 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**VOLATILES BY GC/MS**

Bromochloromethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Chloroform*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Carbon tetrachloride*	<0.050		0.050	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,1,1-Trichloroethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,1-Dichloropropene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
2-Butanone*	<0.050		0.050	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Benzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,2-Dichloroethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Trichloroethene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Dibromomethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,2-Dichloropropane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Bromodichloromethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
cis-1,3-Dichloropropene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Toluene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
4-Methyl-2-pentanone*	<0.050		0.050	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Tetrachloroethene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
trans-1,3-Dichloropropene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,1,2-Trichloroethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Dibromochloromethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,3-Dichloropropane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,2-Dibromoethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
2-Hexanone*	<0.050		0.050	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Chlorobenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Ethylbenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,1,1,2-Tetrachloroethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
m+p - Xylene*	<0.050		0.050	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Total Xylenes*	<0.050		0.050	mg/kg	50	2032908	MS	29-Mar-22	8260B	
o-Xylene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Bromoform*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ALTAMIRA - US
14229 PUNTA BONAIRE DR.
CORPUS CHRISTI TX, 78418

Project: NOVO OVATION (PAD)
Project Number: NOVO2104
Project Manager: BRYAN HANEY
Fax To:

Reported:
29-Mar-22 14:56

P - 18 (1-1.5')**H221230-10 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**VOLATILES BY GC/MS**

Styrene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Isopropylbenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Bromobenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
n-Propylbenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,1,2,2-Tetrachloroethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
2-Chlorotoluene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,2,3-trichloropropane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,3,5-Trimethylbenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
trans-1,4-Dichloro-2-butene	<0.250		0.250	mg/kg	50	2032908	MS	29-Mar-22	8260B	
4-Chlorotoluene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
tert-Butylbenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,2,4-Trimethylbenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
sec-Butylbenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
p-Isopropyltoluene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,3-Dichlorobenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,4 Dichlorobenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
n-Butylbenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,2-Dichlorobenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,2-Dibromo-3-chloropropane*	<0.250		0.250	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Hexachlorobutadiene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,2,4-Trichlorobenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Naphthalene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,2,3-Trichlorobenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,4-Dioxane	<6.25		6.25	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Surrogate: Dibromofluoromethane			97.7 %	84.6-114		2032908	MS	29-Mar-22	8260B	
Surrogate: Toluene-d8			103 %	90.4-109		2032908	MS	29-Mar-22	8260B	
Surrogate: 4-Bromofluorobenzene			89.8 %	82.5-117		2032908	MS	29-Mar-22	8260B	

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ALTAMIRA - US
14229 PUNTA BONAIRE DR.
CORPUS CHRISTI TX, 78418

Project: NOVO OVATION (PAD)
Project Number: NOVO2104
Project Manager: BRYAN HANEY
Fax To:

Reported:
29-Mar-22 14:56

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Analytical Results For:

ALTAMIRA - US 14229 PUNTA BONAIRE DR. CORPUS CHRISTI TX, 78418	Project: NOVO OVATION (PAD) Project Number: NOVO2104 Project Manager: BRYAN HANEY Fax To:	Reported: 29-Mar-22 14:56
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Inorganic Compounds - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 2032906 - 1:4 DI Water

Blank (2032906-BLK1)				Prepared & Analyzed: 29-Mar-22						
Chloride	ND	16.0	mg/kg							
LCS (2032906-BS1)				Prepared & Analyzed: 29-Mar-22						
Chloride	400	16.0	mg/kg	400		100	80-120			
LCS Dup (2032906-BSD1)				Prepared & Analyzed: 29-Mar-22						
Chloride	432	16.0	mg/kg	400		108	80-120	7.69	20	

Batch 2032907 - 1:4 DI Water

Blank (2032907-BLK1)				Prepared & Analyzed: 29-Mar-22						
Chloride	ND	16.0	mg/kg							
LCS (2032907-BS1)				Prepared & Analyzed: 29-Mar-22						
Chloride	416	16.0	mg/kg	400		104	80-120			
LCS Dup (2032907-BSD1)				Prepared & Analyzed: 29-Mar-22						
Chloride	416	16.0	mg/kg	400		104	80-120	0.00	20	

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Analytical Results For:

ALTAMIRA - US 14229 PUNTA BONAIRE DR. CORPUS CHRISTI TX, 78418	Project: NOVO OVATION (PAD) Project Number: NOVO2104 Project Manager: BRYAN HANEY Fax To:	Reported: 29-Mar-22 14:56
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Petroleum Hydrocarbons by GC FID - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 2032836 - General Prep - Organics

Blank (2032836-BLK1)				Prepared: 28-Mar-22 Analyzed: 29-Mar-22						
GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	45.5		mg/kg	50.0		91.0	66.9-136			
Surrogate: 1-Chlorooctadecane	48.1		mg/kg	50.0		96.2	59.5-142			

LCS (2032836-BS1)				Prepared: 28-Mar-22 Analyzed: 29-Mar-22						
GRO C6-C10	181	10.0	mg/kg	200		90.6	78.5-128			
DRO >C10-C28	173	10.0	mg/kg	200		86.4	75.8-135			
Total TPH C6-C28	354	10.0	mg/kg	400		88.5	81.5-127			
Surrogate: 1-Chlorooctane	52.0		mg/kg	50.0		104	66.9-136			
Surrogate: 1-Chlorooctadecane	52.9		mg/kg	50.0		106	59.5-142			

LCS Dup (2032836-BSD1)				Prepared: 28-Mar-22 Analyzed: 29-Mar-22						
GRO C6-C10	183	10.0	mg/kg	200		91.4	79.1-128	0.928	21.4	
DRO >C10-C28	161	10.0	mg/kg	200		80.7	77-136	6.73	17.9	
Total TPH C6-C28	344	10.0	mg/kg	400		86.1	82.9-127	2.74	17.6	
Surrogate: 1-Chlorooctane	49.0		mg/kg	50.0		98.1	66.9-136			
Surrogate: 1-Chlorooctadecane	53.4		mg/kg	50.0		107	59.5-142			

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Analytical Results For:

ALTAMIRA - US 14229 PUNTA BONAIRE DR. CORPUS CHRISTI TX, 78418	Project: NOVO OVATION (PAD) Project Number: NOVO2104 Project Manager: BRYAN HANEY Fax To:	Reported: 29-Mar-22 14:56
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VOLATILES BY GC/MS - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 2032908 - Volatiles

Blank (2032908-BLK1)

Prepared & Analyzed: 29-Mar-22

Dichlorodifluoromethane	ND	0.025	mg/kg							
Chloromethane	ND	0.025	mg/kg							
Vinyl chloride	ND	0.025	mg/kg							
Bromomethane	ND	0.025	mg/kg							
Chloroethane	ND	0.250	mg/kg							
Trichlorofluoromethane	ND	0.250	mg/kg							
Carbon disulfide	ND	0.250	mg/kg							
1,1-Dichloroethene	ND	0.250	mg/kg							
Iodomethane	ND	0.250	mg/kg							
Acrolein	ND	0.250	mg/kg							
Methylene chloride	ND	0.500	mg/kg							
Acetone	ND	0.250	mg/kg							
trans-1,2-Dichloroethene	ND	0.025	mg/kg							
Methyl t-Butyl Ether	ND	0.050	mg/kg							
1,1-Dichloroethane	ND	0.025	mg/kg							
Acrylonitrile	ND	0.050	mg/kg							
Vinyl acetate	ND	0.025	mg/kg							
cis-1,2-Dichloroethene	ND	0.025	mg/kg							
2,2-Dichloropropane	ND	0.025	mg/kg							
Bromochloromethane	ND	0.025	mg/kg							
Chloroform	ND	0.025	mg/kg							
Carbon tetrachloride	ND	0.050	mg/kg							
1,1,1-Trichloroethane	ND	0.025	mg/kg							
1,1-Dichloropropene	ND	0.025	mg/kg							
2-Butanone	ND	0.050	mg/kg							
Benzene	ND	0.025	mg/kg							
1,2-Dichloroethane	ND	0.025	mg/kg							
Trichloroethene	ND	0.025	mg/kg							
Dibromomethane	ND	0.025	mg/kg							
1,2-Dichloropropane	ND	0.025	mg/kg							
Bromodichloromethane	ND	0.025	mg/kg							
cis-1,3-Dichloropropene	ND	0.025	mg/kg							

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Analytical Results For:

ALTAMIRA - US 14229 PUNTA BONAIRE DR. CORPUS CHRISTI TX, 78418	Project: NOVO OVATION (PAD) Project Number: NOVO2104 Project Manager: BRYAN HANEY Fax To:	Reported: 29-Mar-22 14:56
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VOLATILES BY GC/MS - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 2032908 - Volatiles

Blank (2032908-BLK1)

Prepared & Analyzed: 29-Mar-22

Toluene	ND	0.025	mg/kg							
4-Methyl-2-pentanone	ND	0.050	mg/kg							
Tetrachloroethene	ND	0.025	mg/kg							
trans-1,3-Dichloropropene	ND	0.025	mg/kg							
1,1,2-Trichloroethane	ND	0.025	mg/kg							
Dibromochloromethane	ND	0.025	mg/kg							
1,3-Dichloropropane	ND	0.025	mg/kg							
1,2-Dibromoethane	ND	0.025	mg/kg							
2-Hexanone	ND	0.050	mg/kg							
Chlorobenzene	ND	0.025	mg/kg							
Ethylbenzene	ND	0.025	mg/kg							
1,1,1,2-Tetrachloroethane	ND	0.025	mg/kg							
m+p - Xylene	ND	0.050	mg/kg							
o-Xylene	ND	0.025	mg/kg							
Total Xylenes	ND	0.050	mg/kg							
Bromoform	ND	0.025	mg/kg							
Styrene	ND	0.025	mg/kg							
Isopropylbenzene	ND	0.025	mg/kg							
Bromobenzene	ND	0.025	mg/kg							
n-Propylbenzene	ND	0.025	mg/kg							
1,1,2,2-Tetrachloroethane	ND	0.025	mg/kg							
2-Chlorotoluene	ND	0.025	mg/kg							
1,2,3-trichloropropane	ND	0.025	mg/kg							
1,3,5-Trimethylbenzene	ND	0.025	mg/kg							
trans-1,4-Dichloro-2-butene	ND	0.250	mg/kg							
4-Chlorotoluene	ND	0.025	mg/kg							
tert-Butylbenzene	ND	0.025	mg/kg							
1,2,4-Trimethylbenzene	ND	0.025	mg/kg							
sec-Butylbenzene	ND	0.025	mg/kg							
p-Isopropyltoluene	ND	0.025	mg/kg							
1,3-Dichlorobenzene	ND	0.025	mg/kg							
1,4 Dichlorobenzene	ND	0.025	mg/kg							

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ALTAMIRA - US
14229 PUNTA BONAIRE DR.
CORPUS CHRISTI TX, 78418

Project: NOVO OVATION (PAD)
Project Number: NOVO2104
Project Manager: BRYAN HANEY
Fax To:

Reported:
29-Mar-22 14:56

VOLATILES BY GC/MS - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 2032908 - Volatiles**Blank (2032908-BLK1)**

Prepared & Analyzed: 29-Mar-22

n-Butylbenzene	ND	0.025	mg/kg							
1,2-Dichlorobenzene	ND	0.025	mg/kg							
1,2-Dibromo-3-chloropropane	ND	0.250	mg/kg							
Hexachlorobutadiene	ND	0.025	mg/kg							
1,2,4-Trichlorobenzene	ND	0.025	mg/kg							
Naphthalene	ND	0.025	mg/kg							
1,2,3-Trichlorobenzene	ND	0.025	mg/kg							
1,4-Dioxane	ND	6.25	mg/kg							
Surrogate: Dibromofluoromethane	1.23		mg/kg	1.25		98.1	84.6-114			
Surrogate: Toluene-d8	1.29		mg/kg	1.25		103	90.4-109			
Surrogate: 4-Bromofluorobenzene	1.16		mg/kg	1.25		92.7	82.5-117			

LCS (2032908-BS1)

Prepared & Analyzed: 29-Mar-22

Dichlorodifluoromethane	0.360	0.025	mg/kg	0.500		72.0	4.03-173			
Chloromethane	0.484	0.025	mg/kg	0.500		96.9	52.6-147			
Vinyl chloride	0.499	0.025	mg/kg	0.500		99.8	57.3-152			
Bromomethane	0.357	0.025	mg/kg	0.500		71.5	16.8-174			
Chloroethane	0.278	0.250	mg/kg	0.500		55.7	14.2-203			
Trichlorofluoromethane	0.310	0.250	mg/kg	0.500		62.0	-18.7-214			
1,1-Dichloroethene	0.269	0.250	mg/kg	0.500		53.7	30.5-180			
Carbon disulfide	0.602	0.250	mg/kg	1.00		60.2	43.8-148			
Iodomethane	0.671	0.250	mg/kg	1.00		67.1	45.2-157			
Acrolein	2.72	0.250	mg/kg	5.00		54.4	-46.2-174			
Methylene chloride	0.430	0.500	mg/kg	0.500		86.1	31.5-204			
Acetone	0.613	0.250	mg/kg	1.00		61.3	14.7-198			
trans-1,2-Dichloroethene	0.472	0.025	mg/kg	0.500		94.4	56.4-152			
Methyl t-Butyl Ether	0.963	0.050	mg/kg	1.00		96.3	42.7-160			
1,1-Dichloroethane	0.527	0.025	mg/kg	0.500		105	79.2-128			
Acrylonitrile	1.18	0.050	mg/kg	1.00		118	64.8-130			
Vinyl acetate	0.534	0.025	mg/kg	0.500		107	62.2-134			
cis-1,2-Dichloroethene	0.513	0.025	mg/kg	0.500		103	78.9-127			
2,2-Dichloropropane	0.424	0.025	mg/kg	0.500		84.9	69.4-140			

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* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ALTAMIRA - US
14229 PUNTA BONAIRE DR.
CORPUS CHRISTI TX, 78418

Project: NOVO OVATION (PAD)
Project Number: NOVO2104
Project Manager: BRYAN HANEY
Fax To:

Reported:
29-Mar-22 14:56

VOLATILES BY GC/MS - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 2032908 - Volatiles**LCS (2032908-BS1)**

Prepared & Analyzed: 29-Mar-22

Bromochloromethane	0.462	0.025	mg/kg	0.500		92.4	69.4-131			
Chloroform	0.490	0.025	mg/kg	0.500		98.1	70.6-131			
Carbon tetrachloride	0.475	0.050	mg/kg	0.500		94.9	54.7-158			
1,1,1-Trichloroethane	0.478	0.025	mg/kg	0.500		95.6	70.2-141			
1,1-Dichloropropene	0.498	0.025	mg/kg	0.500		99.6	73.5-137			
2-Butanone	0.836	0.050	mg/kg	1.00		83.6	56-139			
Benzene	0.500	0.025	mg/kg	0.500		100	73-130			
1,2-Dichloroethane	0.454	0.025	mg/kg	0.500		90.9	63.5-141			
Trichloroethene	0.471	0.025	mg/kg	0.500		94.1	80.2-122			
Dibromomethane	0.458	0.025	mg/kg	0.500		91.6	68.6-130			
1,2-Dichloropropane	0.485	0.025	mg/kg	0.500		97.0	71.3-132			
Bromodichloromethane	0.474	0.025	mg/kg	0.500		94.8	70.7-131			
cis-1,3-Dichloropropene	0.515	0.025	mg/kg	0.500		103	84.9-119			
Toluene	0.502	0.025	mg/kg	0.500		100	79-122			
4-Methyl-2-pentanone	0.940	0.050	mg/kg	1.00		94.0	61.6-129			
Tetrachloroethene	0.527	0.025	mg/kg	0.500		105	55.7-160			
trans-1,3-Dichloropropene	0.500	0.025	mg/kg	0.500		100	79.4-121			
1,1,2-Trichloroethane	0.505	0.025	mg/kg	0.500		101	63.6-133			
Dibromochloromethane	0.527	0.025	mg/kg	0.500		105	73.9-125			
1,3-Dichloropropane	0.507	0.025	mg/kg	0.500		101	76.6-124			
1,2-Dibromoethane	0.499	0.025	mg/kg	0.500		99.8	77.1-119			
2-Hexanone	0.980	0.050	mg/kg	1.00		98.0	59.5-132			
Chlorobenzene	0.503	0.025	mg/kg	0.500		101	87.1-116			
Ethylbenzene	0.539	0.025	mg/kg	0.500		108	75.4-127			
1,1,1,2-Tetrachloroethane	0.509	0.025	mg/kg	0.500		102	79.8-123			
m+p - Xylene	1.05	0.050	mg/kg	1.00		105	71.8-133			
o-Xylene	0.520	0.025	mg/kg	0.500		104	78.6-125			
Total Xylenes	1.57	0.050	mg/kg	1.50		105	74.6-130			
Bromoform	0.535	0.025	mg/kg	0.500		107	58.6-143			
Styrene	0.483	0.025	mg/kg	0.500		96.7	85.7-121			
Isopropylbenzene	0.511	0.025	mg/kg	0.500		102	71.7-137			
Bromobenzene	0.510	0.025	mg/kg	0.500		102	84.8-114			

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ALTAMIRA - US
14229 PUNTA BONAIRE DR.
CORPUS CHRISTI TX, 78418

Project: NOVO OVATION (PAD)
Project Number: NOVO2104
Project Manager: BRYAN HANEY
Fax To:

Reported:
29-Mar-22 14:56

VOLATILES BY GC/MS - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 2032908 - Volatiles**LCS (2032908-BS1)**

Prepared & Analyzed: 29-Mar-22

n-Propylbenzene	0.553	0.025	mg/kg	0.500		111	52.9-144			
1,1,2,2-Tetrachloroethane	0.483	0.025	mg/kg	0.500		96.6	63.2-124			
2-Chlorotoluene	0.525	0.025	mg/kg	0.500		105	74.8-126			
1,2,3-trichloropropane	0.543	0.025	mg/kg	0.500		109	53-140			
1,3,5-Trimethylbenzene	0.559	0.025	mg/kg	0.500		112	64.4-138			
trans-1,4-Dichloro-2-butene	1.52	0.250	mg/kg	1.00		152	-15.6-219			
4-Chlorotoluene	0.543	0.025	mg/kg	0.500		109	68.4-135			
tert-Butylbenzene	0.548	0.025	mg/kg	0.500		110	62.1-139			
1,2,4-Trimethylbenzene	0.563	0.025	mg/kg	0.500		113	62.4-140			
sec-Butylbenzene	0.586	0.025	mg/kg	0.500		117	61.9-148			
p-Isopropyltoluene	0.583	0.025	mg/kg	0.500		117	56.9-141			
1,3-Dichlorobenzene	0.535	0.025	mg/kg	0.500		107	74.7-123			
1,4 Dichlorobenzene	0.507	0.025	mg/kg	0.500		101	75.2-120			
n-Butylbenzene	0.569	0.025	mg/kg	0.500		114	41.1-164			
1,2-Dichlorobenzene	0.520	0.025	mg/kg	0.500		104	80.8-114			
1,2-Dibromo-3-chloropropane	0.483	0.250	mg/kg	0.500		96.7	51.1-134			
Hexachlorobutadiene	0.670	0.025	mg/kg	0.500		134	13.4-183			
1,2,4-Trichlorobenzene	0.594	0.025	mg/kg	0.500		119	39.7-150			
Naphthalene	0.555	0.025	mg/kg	0.500		111	28.7-158			
1,2,3-Trichlorobenzene	0.556	0.025	mg/kg	0.500		111	13.8-171			
1,4-Dioxane	10.4	6.25	mg/kg	10.0		104	47.3-105			
Surrogate: Dibromofluoromethane	1.25		mg/kg	1.25		100	84.6-114			
Surrogate: Toluene-d8	1.26		mg/kg	1.25		101	90.4-109			
Surrogate: 4-Bromofluorobenzene	1.20		mg/kg	1.25		96.0	82.5-117			

LCS Dup (2032908-BS1)

Prepared & Analyzed: 29-Mar-22

Dichlorodifluoromethane	0.366	0.025	mg/kg	0.500		73.3	4.03-173	1.76	41.1	
Chloromethane	0.491	0.025	mg/kg	0.500		98.3	52.6-147	1.46	22.8	
Vinyl chloride	0.502	0.025	mg/kg	0.500		100	57.3-152	0.555	27.7	
Bromomethane	0.290	0.025	mg/kg	0.500		58.0	16.8-174	20.8	23.5	
Chloroethane	0.294	0.250	mg/kg	0.500		58.7	14.2-203	5.32	27.5	
Trichlorofluoromethane	0.284	0.250	mg/kg	0.500		56.8	-18.7-214	8.77	61.9	

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ALTAMIRA - US 14229 PUNTA BONAIRE DR. CORPUS CHRISTI TX, 78418	Project: NOVO OVATION (PAD) Project Number: NOVO2104 Project Manager: BRYAN HANEY Fax To:	Reported: 29-Mar-22 14:56
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VOLATILES BY GC/MS - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 2032908 - Volatiles

LCS Dup (2032908-BSD1)

Prepared & Analyzed: 29-Mar-22

1,1-Dichloroethene	0.281	0.250	mg/kg	0.500		56.2	30.5-180	4.53	26.1	
Carbon disulfide	0.579	0.250	mg/kg	1.00		57.9	43.8-148	3.88	25.9	
Iodomethane	0.660	0.250	mg/kg	1.00		66.0	45.2-157	1.69	19.7	
Acrolein	2.37	0.250	mg/kg	5.00		47.4	-46.2-174	13.8	25.5	
Methylene chloride	0.351	0.500	mg/kg	0.500		70.1	31.5-204	20.4	45.3	
Acetone	0.505	0.250	mg/kg	1.00		50.5	14.7-198	19.4	171	
trans-1,2-Dichloroethene	0.371	0.025	mg/kg	0.500		74.2	56.4-152	23.9	22.7	QR-04
Methyl t-Butyl Ether	0.891	0.050	mg/kg	1.00		89.1	42.7-160	7.77	31.5	
1,1-Dichloroethane	0.579	0.025	mg/kg	0.500		116	79.2-128	9.45	17.9	
Acrylonitrile	1.26	0.050	mg/kg	1.00		126	64.8-130	6.63	17	
Vinyl acetate	0.575	0.025	mg/kg	0.500		115	62.2-134	7.43	20.1	
cis-1,2-Dichloroethene	0.585	0.025	mg/kg	0.500		117	78.9-127	13.1	16.5	
2,2-Dichloropropane	0.499	0.025	mg/kg	0.500		99.8	69.4-140	16.2	20.4	
Bromochloromethane	0.507	0.025	mg/kg	0.500		101	69.4-131	9.25	19.5	
Chloroform	0.551	0.025	mg/kg	0.500		110	70.6-131	11.6	16.7	
Carbon tetrachloride	0.515	0.050	mg/kg	0.500		103	54.7-158	8.12	22.2	
1,1,1-Trichloroethane	0.508	0.025	mg/kg	0.500		102	70.2-141	6.02	22.1	
1,1-Dichloropropene	0.524	0.025	mg/kg	0.500		105	73.5-137	5.02	32.2	
2-Butanone	0.927	0.050	mg/kg	1.00		92.7	56-139	10.3	27.1	
Benzene	0.493	0.025	mg/kg	0.500		98.6	73-130	1.41	17.1	
1,2-Dichloroethane	0.455	0.025	mg/kg	0.500		90.9	63.5-141	0.0396	16.4	
Trichloroethene	0.473	0.025	mg/kg	0.500		94.5	80.2-122	0.435	19.9	
Dibromomethane	0.435	0.025	mg/kg	0.500		87.0	68.6-130	5.11	17.2	
1,2-Dichloropropane	0.500	0.025	mg/kg	0.500		99.9	71.3-132	2.98	14.6	
Bromodichloromethane	0.475	0.025	mg/kg	0.500		94.9	70.7-131	0.120	16.3	
cis-1,3-Dichloropropene	0.505	0.025	mg/kg	0.500		101	84.9-119	2.00	11.8	
Toluene	0.493	0.025	mg/kg	0.500		98.6	79-122	1.88	18.3	
4-Methyl-2-pentanone	0.927	0.050	mg/kg	1.00		92.7	61.6-129	1.36	18.1	
Tetrachloroethene	0.530	0.025	mg/kg	0.500		106	55.7-160	0.507	41.8	
trans-1,3-Dichloropropene	0.490	0.025	mg/kg	0.500		98.0	79.4-121	2.03	15.3	
1,1,2-Trichloroethane	0.492	0.025	mg/kg	0.500		98.3	63.6-133	2.73	32.9	
Dibromochloromethane	0.504	0.025	mg/kg	0.500		101	73.9-125	4.46	12.9	

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ALTAMIRA - US
14229 PUNTA BONAIRE DR.
CORPUS CHRISTI TX, 78418

Project: NOVO OVATION (PAD)
Project Number: NOVO2104
Project Manager: BRYAN HANEY
Fax To:

Reported:
29-Mar-22 14:56

VOLATILES BY GC/MS - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 2032908 - Volatiles**LCS Dup (2032908-BSD1)**

Prepared & Analyzed: 29-Mar-22

1,3-Dichloropropane	0.490	0.025	mg/kg	0.500		98.1	76.6-124	3.35	13.1	
1,2-Dibromoethane	0.494	0.025	mg/kg	0.500		98.7	77.1-119	1.10	13.7	
2-Hexanone	0.941	0.050	mg/kg	1.00		94.1	59.5-132	4.14	22.2	
Chlorobenzene	0.494	0.025	mg/kg	0.500		98.9	87.1-116	1.80	11.3	
Ethylbenzene	0.517	0.025	mg/kg	0.500		103	75.4-127	4.03	16.5	
1,1,1,2-Tetrachloroethane	0.493	0.025	mg/kg	0.500		98.6	79.8-123	3.28	10.8	
m+p - Xylene	1.04	0.050	mg/kg	1.00		104	71.8-133	1.49	19.1	
o-Xylene	0.508	0.025	mg/kg	0.500		102	78.6-125	2.27	13.2	
Total Xylenes	1.55	0.050	mg/kg	1.50		103	74.6-130	1.75	16.5	
Bromoform	0.516	0.025	mg/kg	0.500		103	58.6-143	3.49	12.9	
Styrene	0.479	0.025	mg/kg	0.500		95.7	85.7-121	0.981	11.5	
Isopropylbenzene	0.498	0.025	mg/kg	0.500		99.5	71.7-137	2.67	25.2	
Bromobenzene	0.504	0.025	mg/kg	0.500		101	84.8-114	1.26	14.6	
n-Propylbenzene	0.537	0.025	mg/kg	0.500		107	52.9-144	2.86	57.4	
1,1,2,2-Tetrachloroethane	0.471	0.025	mg/kg	0.500		94.1	63.2-124	2.56	14.4	
2-Chlorotoluene	0.514	0.025	mg/kg	0.500		103	74.8-126	2.14	26	
1,2,3-trichloropropane	0.462	0.025	mg/kg	0.500		92.4	53-140	16.2	30.1	
1,3,5-Trimethylbenzene	0.542	0.025	mg/kg	0.500		108	64.4-138	3.04	39.1	
trans-1,4-Dichloro-2-butene	0.903	0.250	mg/kg	1.00		90.3	-15.6-219	51.2	162	
4-Chlorotoluene	0.522	0.025	mg/kg	0.500		104	68.4-135	3.94	29.2	
tert-Butylbenzene	0.548	0.025	mg/kg	0.500		110	62.1-139	0.0967	30.4	
1,2,4-Trimethylbenzene	0.547	0.025	mg/kg	0.500		109	62.4-140	3.02	38.2	
sec-Butylbenzene	0.567	0.025	mg/kg	0.500		113	61.9-148	3.13	60.1	
p-Isopropyltoluene	0.561	0.025	mg/kg	0.500		112	56.9-141	3.77	67.5	
1,3-Dichlorobenzene	0.502	0.025	mg/kg	0.500		100	74.7-123	6.36	28.6	
1,4 Dichlorobenzene	0.486	0.025	mg/kg	0.500		97.2	75.2-120	4.15	28.8	
n-Butylbenzene	0.529	0.025	mg/kg	0.500		106	41.1-164	7.32	91.5	
1,2-Dichlorobenzene	0.500	0.025	mg/kg	0.500		100	80.8-114	3.95	15.8	
1,2-Dibromo-3-chloropropane	0.457	0.250	mg/kg	0.500		91.4	51.1-134	5.61	29.5	
Hexachlorobutadiene	0.613	0.025	mg/kg	0.500		123	13.4-183	8.98	105	
1,2,4-Trichlorobenzene	0.516	0.025	mg/kg	0.500		103	39.7-150	14.1	65.9	
Naphthalene	0.513	0.025	mg/kg	0.500		103	28.7-158	7.88	64	

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* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ALTAMIRA - US 14229 PUNTA BONAIRE DR. CORPUS CHRISTI TX, 78418	Project: NOVO OVATION (PAD) Project Number: NOVO2104 Project Manager: BRYAN HANEY Fax To:	Reported: 29-Mar-22 14:56
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VOLATILES BY GC/MS - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 2032908 - Volatiles

LCS Dup (2032908-BSD1)

Prepared & Analyzed: 29-Mar-22

1,2,3-Trichlorobenzene	0.530	0.025	mg/kg	0.500		106	13.8-171	4.76	65.2	
1,4-Dioxane	10.3	6.25	mg/kg	10.0		103	47.3-105	1.54	72.3	
Surrogate: Dibromofluoromethane	1.31		mg/kg	1.25		105	84.6-114			
Surrogate: Toluene-d8	1.28		mg/kg	1.25		102	90.4-109			
Surrogate: 4-Bromofluorobenzene	1.18		mg/kg	1.25		94.8	82.5-117			

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Notes and Definitions

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

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



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

March 30, 2022

BRYAN HANEY

ALTAMIRA - US

14229 PUNTA BONAIRE DR.

CORPUS CHRISTI, TX 78418

RE: NOVO OVATION (PAD)

Enclosed are the results of analyses for samples received by the laboratory on 03/29/22 14:23.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/ga/lab_accred_certif.html.

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

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

Cardinal Laboratories is accredited through the State of New Mexico Environment Department for:

Method SM 9223-B	Total Coliform and E. coli (Colilert MMO-MUG)
Method EPA 524.2	Regulated VOCs and Total Trihalomethanes (TTHM)
Method EPA 552.2	Total Haloacetic Acids (HAA-5)

Accreditation applies to public drinking water matrices for State of Colorado and New Mexico.

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

ALTAMIRA - US
14229 PUNTA BONAIRE DR.
CORPUS CHRISTI TX, 78418

Project: NOVO OVATION (PAD)
Project Number: NOVONM2104
Project Manager: BRYAN HANEY
Fax To:

Reported:
30-Mar-22 10:50

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
P - 3 (1-1.5')	H221244-01	Soil	29-Mar-22 08:25	29-Mar-22 14:23
P - 5 (1-1.5')	H221244-02	Soil	29-Mar-22 08:29	29-Mar-22 14:23
P - 7 (1-1.5')	H221244-03	Soil	29-Mar-22 08:33	29-Mar-22 14:23
P - 9 (1-1.5')	H221244-04	Soil	29-Mar-22 08:49	29-Mar-22 14:23
P - 11 (1-1.5')	H221244-05	Soil	29-Mar-22 09:06	29-Mar-22 14:23
P - 13 (1-1.5')	H221244-06	Soil	29-Mar-22 10:08	29-Mar-22 14:23
P - 15 (1-1.5')	H221244-07	Soil	29-Mar-22 10:12	29-Mar-22 14:23
P - 17 (1-1.5')	H221244-08	Soil	29-Mar-22 10:18	29-Mar-22 14:23

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ALTAMIRA - US
14229 PUNTA BONAIRE DR.
CORPUS CHRISTI TX, 78418

Project: NOVO OVATION (PAD)
Project Number: NOVONM2104
Project Manager: BRYAN HANEY
Fax To:

Reported:
30-Mar-22 10:50

P - 3 (1-1.5')
H221244-01 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	208		16.0	mg/kg	4	2033020	GM	30-Mar-22	4500-C1-B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	2032832	MS	29-Mar-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2032832	MS	29-Mar-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2032832	MS	29-Mar-22	8015B	
Surrogate: 1-Chlorooctane			96.3 %	66.9-136		2032832	MS	29-Mar-22	8015B	
Surrogate: 1-Chlorooctadecane			99.2 %	59.5-142		2032832	MS	29-Mar-22	8015B	

VOLATILES BY GC/MS

Dichlorodifluoromethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Chloromethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Vinyl chloride*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Bromomethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Chloroethane*	<0.250		0.250	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Trichlorofluoromethane*	<0.250		0.250	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,1-Dichloroethene*	<0.250		0.250	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Carbon disulfide*	<0.250		0.250	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Iodomethane	<0.250		0.250	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Acrolein*	<0.250		0.250	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Methylene chloride*	<0.500		0.500	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Acetone*	<0.250		0.250	mg/kg	50	2032908	MS	29-Mar-22	8260B	
trans-1,2-Dichloroethene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Methyl t-Butyl Ether*	<0.050		0.050	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,1-Dichloroethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Acrylonitrile*	<0.050		0.050	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Vinyl acetate*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
cis-1,2-Dichloroethene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
2,2-Dichloropropane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	

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* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ALTAMIRA - US
14229 PUNTA BONAIRE DR.
CORPUS CHRISTI TX, 78418

Project: NOVO OVATION (PAD)
Project Number: NOVONM2104
Project Manager: BRYAN HANEY
Fax To:

Reported:
30-Mar-22 10:50

P - 3 (1-1.5')**H221244-01 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**VOLATILES BY GC/MS**

Bromochloromethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Chloroform*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Carbon tetrachloride*	<0.050		0.050	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,1,1-Trichloroethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,1-Dichloropropene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
2-Butanone*	<0.050		0.050	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Benzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,2-Dichloroethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Trichloroethene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Dibromomethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,2-Dichloropropane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Bromodichloromethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
cis-1,3-Dichloropropene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Toluene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
4-Methyl-2-pentanone*	<0.050		0.050	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Tetrachloroethene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
trans-1,3-Dichloropropene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,1,2-Trichloroethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Dibromochloromethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,3-Dichloropropane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,2-Dibromoethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
2-Hexanone*	<0.050		0.050	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Chlorobenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Ethylbenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,1,1,2-Tetrachloroethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
m+p - Xylene*	<0.050		0.050	mg/kg	50	2032908	MS	29-Mar-22	8260B	
o-Xylene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Total Xylenes*	<0.050		0.050	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Bromoform*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ALTAMIRA - US
14229 PUNTA BONAIRE DR.
CORPUS CHRISTI TX, 78418

Project: NOVO OVATION (PAD)
Project Number: NOVONM2104
Project Manager: BRYAN HANEY
Fax To:

Reported:
30-Mar-22 10:50

P - 3 (1-1.5')**H221244-01 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**VOLATILES BY GC/MS**

Styrene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Isopropylbenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Bromobenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
n-Propylbenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,1,2,2-Tetrachloroethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
2-Chlorotoluene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,2,3-trichloropropane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,3,5-Trimethylbenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
trans-1,4-Dichloro-2-butene	<0.250		0.250	mg/kg	50	2032908	MS	29-Mar-22	8260B	
4-Chlorotoluene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
tert-Butylbenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,2,4-Trimethylbenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
sec-Butylbenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
p-Isopropyltoluene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,3-Dichlorobenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,4 Dichlorobenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
n-Butylbenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,2-Dichlorobenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,2-Dibromo-3-chloropropane*	<0.250		0.250	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Hexachlorobutadiene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,2,4-Trichlorobenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Naphthalene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,2,3-Trichlorobenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,4-Dioxane	<6.25		6.25	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Surrogate: Dibromofluoromethane			98.3 %	84.6-114		2032908	MS	29-Mar-22	8260B	
Surrogate: Toluene-d8			103 %	90.4-109		2032908	MS	29-Mar-22	8260B	
Surrogate: 4-Bromofluorobenzene			89.6 %	82.5-117		2032908	MS	29-Mar-22	8260B	

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* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ALTAMIRA - US
14229 PUNTA BONAIRE DR.
CORPUS CHRISTI TX, 78418

Project: NOVO OVATION (PAD)
Project Number: NOVONM2104
Project Manager: BRYAN HANEY
Fax To:

Reported:
30-Mar-22 10:50

P - 5 (1-1.5')**H221244-02 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	208		16.0	mg/kg	4	2033020	GM	30-Mar-22	4500-Cl-B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	2032832	MS	29-Mar-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2032832	MS	29-Mar-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2032832	MS	29-Mar-22	8015B	
Surrogate: 1-Chlorooctane			80.1 %	66.9-136		2032832	MS	29-Mar-22	8015B	
Surrogate: 1-Chlorooctadecane			83.5 %	59.5-142		2032832	MS	29-Mar-22	8015B	

VOLATILES BY GC/MS

Dichlorodifluoromethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Chloromethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Vinyl chloride*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Bromomethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Chloroethane*	<0.250		0.250	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Trichlorofluoromethane*	<0.250		0.250	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,1-Dichloroethene*	<0.250		0.250	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Carbon disulfide*	<0.250		0.250	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Iodomethane	<0.250		0.250	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Acrolein*	<0.250		0.250	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Methylene chloride*	<0.500		0.500	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Acetone*	<0.250		0.250	mg/kg	50	2032908	MS	29-Mar-22	8260B	
trans-1,2-Dichloroethene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Methyl t-Butyl Ether*	<0.050		0.050	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,1-Dichloroethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Acrylonitrile*	<0.050		0.050	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Vinyl acetate*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
cis-1,2-Dichloroethene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
2,2-Dichloropropane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	

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* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ALTAMIRA - US
14229 PUNTA BONAIRE DR.
CORPUS CHRISTI TX, 78418

Project: NOVO OVATION (PAD)
Project Number: NOVONM2104
Project Manager: BRYAN HANEY
Fax To:

Reported:
30-Mar-22 10:50

P - 5 (1-1.5')**H221244-02 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**VOLATILES BY GC/MS**

Bromochloromethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Chloroform*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Carbon tetrachloride*	<0.050		0.050	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,1,1-Trichloroethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,1-Dichloropropene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
2-Butanone*	<0.050		0.050	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Benzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,2-Dichloroethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Trichloroethene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Dibromomethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,2-Dichloropropane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Bromodichloromethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
cis-1,3-Dichloropropene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Toluene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
4-Methyl-2-pentanone*	<0.050		0.050	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Tetrachloroethene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
trans-1,3-Dichloropropene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,1,2-Trichloroethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Dibromochloromethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,3-Dichloropropane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,2-Dibromoethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
2-Hexanone*	<0.050		0.050	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Chlorobenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Ethylbenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,1,1,2-Tetrachloroethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
m+p - Xylene*	<0.050		0.050	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Total Xylenes*	<0.050		0.050	mg/kg	50	2032908	MS	29-Mar-22	8260B	
o-Xylene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Bromoform*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ALTAMIRA - US
14229 PUNTA BONAIRE DR.
CORPUS CHRISTI TX, 78418

Project: NOVO OVATION (PAD)
Project Number: NOVONM2104
Project Manager: BRYAN HANEY
Fax To:

Reported:
30-Mar-22 10:50

P - 5 (1-1.5')**H221244-02 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**VOLATILES BY GC/MS**

Styrene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Isopropylbenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Bromobenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
n-Propylbenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,1,2,2-Tetrachloroethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
2-Chlorotoluene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,2,3-trichloropropane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,3,5-Trimethylbenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
trans-1,4-Dichloro-2-butene	<0.250		0.250	mg/kg	50	2032908	MS	29-Mar-22	8260B	
4-Chlorotoluene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
tert-Butylbenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,2,4-Trimethylbenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
sec-Butylbenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
p-Isopropyltoluene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,3-Dichlorobenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,4 Dichlorobenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
n-Butylbenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,2-Dichlorobenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,2-Dibromo-3-chloropropane*	<0.250		0.250	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Hexachlorobutadiene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,2,4-Trichlorobenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Naphthalene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,2,3-Trichlorobenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,4-Dioxane	<6.25		6.25	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Surrogate: Dibromofluoromethane			97.9 %	84.6-114		2032908	MS	29-Mar-22	8260B	
Surrogate: Toluene-d8			106 %	90.4-109		2032908	MS	29-Mar-22	8260B	
Surrogate: 4-Bromofluorobenzene			91.0 %	82.5-117		2032908	MS	29-Mar-22	8260B	

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ALTAMIRA - US 14229 PUNTA BONAIRE DR. CORPUS CHRISTI TX, 78418	Project: NOVO OVATION (PAD) Project Number: NOVONM2104 Project Manager: BRYAN HANEY Fax To:	Reported: 30-Mar-22 10:50
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P - 7 (1-1.5')

H221244-03 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Chloride	64.0		16.0	mg/kg	4	2033020	GM	30-Mar-22	4500-Cl-B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	2032832	MS	30-Mar-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2032832	MS	30-Mar-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2032832	MS	30-Mar-22	8015B	
Surrogate: 1-Chlorooctane			92.0 %	66.9-136		2032832	MS	30-Mar-22	8015B	
Surrogate: 1-Chlorooctadecane			98.3 %	59.5-142		2032832	MS	30-Mar-22	8015B	

VOLATILES BY GC/MS

Dichlorodifluoromethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Chloromethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Vinyl chloride*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Bromomethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Chloroethane*	<0.250		0.250	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Trichlorofluoromethane*	<0.250		0.250	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,1-Dichloroethene*	<0.250		0.250	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Carbon disulfide*	<0.250		0.250	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Iodomethane	<0.250		0.250	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Acrolein*	<0.250		0.250	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Methylene chloride*	<0.500		0.500	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Acetone*	<0.250		0.250	mg/kg	50	2032908	MS	29-Mar-22	8260B	
trans-1,2-Dichloroethene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Methyl t-Butyl Ether*	<0.050		0.050	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,1-Dichloroethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Acrylonitrile*	<0.050		0.050	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Vinyl acetate*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
cis-1,2-Dichloroethene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
2,2-Dichloropropane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ALTAMIRA - US
14229 PUNTA BONAIRE DR.
CORPUS CHRISTI TX, 78418

Project: NOVO OVATION (PAD)
Project Number: NOVONM2104
Project Manager: BRYAN HANEY
Fax To:

Reported:
30-Mar-22 10:50

P - 7 (1-1.5')**H221244-03 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**VOLATILES BY GC/MS**

Bromochloromethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Chloroform*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Carbon tetrachloride*	<0.050		0.050	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,1,1-Trichloroethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,1-Dichloropropene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
2-Butanone*	<0.050		0.050	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Benzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,2-Dichloroethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Trichloroethene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Dibromomethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,2-Dichloropropane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Bromodichloromethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
cis-1,3-Dichloropropene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Toluene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
4-Methyl-2-pentanone*	<0.050		0.050	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Tetrachloroethene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
trans-1,3-Dichloropropene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,1,2-Trichloroethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Dibromochloromethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,3-Dichloropropane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,2-Dibromoethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
2-Hexanone*	<0.050		0.050	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Chlorobenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Ethylbenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,1,1,2-Tetrachloroethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
m+p - Xylene*	<0.050		0.050	mg/kg	50	2032908	MS	29-Mar-22	8260B	
o-Xylene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Total Xylenes*	<0.050		0.050	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Bromoform*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	

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* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ALTAMIRA - US
14229 PUNTA BONAIRE DR.
CORPUS CHRISTI TX, 78418

Project: NOVO OVATION (PAD)
Project Number: NOVONM2104
Project Manager: BRYAN HANEY
Fax To:

Reported:
30-Mar-22 10:50

P - 7 (1-1.5')**H221244-03 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**VOLATILES BY GC/MS**

Styrene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Isopropylbenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Bromobenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
n-Propylbenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,1,2,2-Tetrachloroethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
2-Chlorotoluene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,2,3-trichloropropane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,3,5-Trimethylbenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
trans-1,4-Dichloro-2-butene	<0.250		0.250	mg/kg	50	2032908	MS	29-Mar-22	8260B	
4-Chlorotoluene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
tert-Butylbenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,2,4-Trimethylbenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
sec-Butylbenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
p-Isopropyltoluene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,3-Dichlorobenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,4 Dichlorobenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
n-Butylbenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,2-Dichlorobenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,2-Dibromo-3-chloropropane*	<0.250		0.250	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Hexachlorobutadiene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,2,4-Trichlorobenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Naphthalene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,2,3-Trichlorobenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,4-Dioxane	<6.25		6.25	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Surrogate: Dibromofluoromethane			97.5 %	84.6-114		2032908	MS	29-Mar-22	8260B	
Surrogate: Toluene-d8			103 %	90.4-109		2032908	MS	29-Mar-22	8260B	
Surrogate: 4-Bromofluorobenzene			90.4 %	82.5-117		2032908	MS	29-Mar-22	8260B	

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* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ALTAMIRA - US 14229 PUNTA BONAIRE DR. CORPUS CHRISTI TX, 78418	Project: NOVO OVATION (PAD) Project Number: NOVONM2104 Project Manager: BRYAN HANEY Fax To:	Reported: 30-Mar-22 10:50
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P - 9 (1-1.5')

H221244-04 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Chloride	176		16.0	mg/kg	4	2033020	GM	30-Mar-22	4500-Cl-B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	2032832	MS	30-Mar-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2032832	MS	30-Mar-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2032832	MS	30-Mar-22	8015B	
Surrogate: 1-Chlorooctane			94.5 %	66.9-136		2032832	MS	30-Mar-22	8015B	
Surrogate: 1-Chlorooctadecane			98.6 %	59.5-142		2032832	MS	30-Mar-22	8015B	

VOLATILES BY GC/MS

Dichlorodifluoromethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Chloromethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Vinyl chloride*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Bromomethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Chloroethane*	<0.250		0.250	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Trichlorofluoromethane*	<0.250		0.250	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,1-Dichloroethene*	<0.250		0.250	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Carbon disulfide*	<0.250		0.250	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Iodomethane	<0.250		0.250	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Acrolein*	<0.250		0.250	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Methylene chloride*	<0.500		0.500	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Acetone*	<0.250		0.250	mg/kg	50	2032908	MS	29-Mar-22	8260B	
trans-1,2-Dichloroethene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Methyl t-Butyl Ether*	<0.050		0.050	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,1-Dichloroethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Acrylonitrile*	<0.050		0.050	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Vinyl acetate*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
cis-1,2-Dichloroethene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
2,2-Dichloropropane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ALTAMIRA - US
14229 PUNTA BONAIRE DR.
CORPUS CHRISTI TX, 78418

Project: NOVO OVATION (PAD)
Project Number: NOVONM2104
Project Manager: BRYAN HANEY
Fax To:

Reported:
30-Mar-22 10:50

P - 9 (1-1.5')**H221244-04 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**VOLATILES BY GC/MS**

Bromochloromethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Chloroform*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Carbon tetrachloride*	<0.050		0.050	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,1,1-Trichloroethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,1-Dichloropropene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
2-Butanone*	<0.050		0.050	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Benzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,2-Dichloroethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Trichloroethene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Dibromomethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,2-Dichloropropane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Bromodichloromethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
cis-1,3-Dichloropropene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Toluene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
4-Methyl-2-pentanone*	<0.050		0.050	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Tetrachloroethene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
trans-1,3-Dichloropropene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,1,2-Trichloroethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Dibromochloromethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,3-Dichloropropane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,2-Dibromoethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
2-Hexanone*	<0.050		0.050	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Chlorobenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Ethylbenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,1,1,2-Tetrachloroethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
m+p - Xylene*	<0.050		0.050	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Total Xylenes*	<0.050		0.050	mg/kg	50	2032908	MS	29-Mar-22	8260B	
o-Xylene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Bromoform*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ALTAMIRA - US
14229 PUNTA BONAIRE DR.
CORPUS CHRISTI TX, 78418

Project: NOVO OVATION (PAD)
Project Number: NOVONM2104
Project Manager: BRYAN HANEY
Fax To:

Reported:
30-Mar-22 10:50

P - 9 (1-1.5')**H221244-04 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**VOLATILES BY GC/MS**

Styrene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Isopropylbenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Bromobenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
n-Propylbenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,1,2,2-Tetrachloroethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
2-Chlorotoluene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,2,3-trichloropropane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,3,5-Trimethylbenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
trans-1,4-Dichloro-2-butene	<0.250		0.250	mg/kg	50	2032908	MS	29-Mar-22	8260B	
4-Chlorotoluene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
tert-Butylbenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,2,4-Trimethylbenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
sec-Butylbenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
p-Isopropyltoluene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,3-Dichlorobenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,4 Dichlorobenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
n-Butylbenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,2-Dichlorobenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,2-Dibromo-3-chloropropane*	<0.250		0.250	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Hexachlorobutadiene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,2,4-Trichlorobenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Naphthalene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,2,3-Trichlorobenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,4-Dioxane	<6.25		6.25	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Surrogate: Dibromofluoromethane			98.6 %	84.6-114		2032908	MS	29-Mar-22	8260B	
Surrogate: Toluene-d8			104 %	90.4-109		2032908	MS	29-Mar-22	8260B	
Surrogate: 4-Bromofluorobenzene			89.4 %	82.5-117		2032908	MS	29-Mar-22	8260B	

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ALTAMIRA - US 14229 PUNTA BONAIRE DR. CORPUS CHRISTI TX, 78418	Project: NOVO OVATION (PAD) Project Number: NOVONM2104 Project Manager: BRYAN HANEY Fax To:	Reported: 30-Mar-22 10:50
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**P - 11 (1-1.5')
H221244-05 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Chloride	96.0		16.0	mg/kg	4	2033020	GM	30-Mar-22	4500-Cl-B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	2032832	MS	30-Mar-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2032832	MS	30-Mar-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2032832	MS	30-Mar-22	8015B	
Surrogate: 1-Chlorooctane			90.5 %	66.9-136		2032832	MS	30-Mar-22	8015B	
Surrogate: 1-Chlorooctadecane			96.0 %	59.5-142		2032832	MS	30-Mar-22	8015B	

VOLATILES BY GC/MS

Dichlorodifluoromethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Chloromethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Vinyl chloride*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Bromomethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Chloroethane*	<0.250		0.250	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Trichlorofluoromethane*	<0.250		0.250	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,1-Dichloroethene*	<0.250		0.250	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Carbon disulfide*	<0.250		0.250	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Iodomethane	<0.250		0.250	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Acrolein*	<0.250		0.250	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Methylene chloride*	<0.500		0.500	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Acetone*	<0.250		0.250	mg/kg	50	2032908	MS	29-Mar-22	8260B	
trans-1,2-Dichloroethene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Methyl t-Butyl Ether*	<0.050		0.050	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,1-Dichloroethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Acrylonitrile*	<0.050		0.050	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Vinyl acetate*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
cis-1,2-Dichloroethene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
2,2-Dichloropropane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ALTAMIRA - US 14229 PUNTA BONAIRE DR. CORPUS CHRISTI TX, 78418	Project: NOVO OVATION (PAD) Project Number: NOVONM2104 Project Manager: BRYAN HANEY Fax To:	Reported: 30-Mar-22 10:50
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**P - 11 (1-1.5')
H221244-05 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

VOLATILES BY GC/MS

Bromochloromethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Chloroform*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Carbon tetrachloride*	<0.050		0.050	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,1,1-Trichloroethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,1-Dichloropropene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
2-Butanone*	<0.050		0.050	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Benzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,2-Dichloroethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Trichloroethene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Dibromomethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,2-Dichloropropane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Bromodichloromethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
cis-1,3-Dichloropropene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Toluene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
4-Methyl-2-pentanone*	<0.050		0.050	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Tetrachloroethene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
trans-1,3-Dichloropropene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,1,2-Trichloroethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Dibromochloromethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,3-Dichloropropane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,2-Dibromoethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
2-Hexanone*	<0.050		0.050	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Chlorobenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Ethylbenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,1,1,2-Tetrachloroethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
m+p - Xylene*	<0.050		0.050	mg/kg	50	2032908	MS	29-Mar-22	8260B	
o-Xylene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Total Xylenes*	<0.050		0.050	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Bromoform*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ALTAMIRA - US
14229 PUNTA BONAIRE DR.
CORPUS CHRISTI TX, 78418

Project: NOVO OVATION (PAD)
Project Number: NOVONM2104
Project Manager: BRYAN HANEY
Fax To:

Reported:
30-Mar-22 10:50

P - 11 (1-1.5')**H221244-05 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**VOLATILES BY GC/MS**

Styrene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Isopropylbenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Bromobenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
n-Propylbenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,1,2,2-Tetrachloroethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
2-Chlorotoluene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,2,3-trichloropropane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,3,5-Trimethylbenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
trans-1,4-Dichloro-2-butene	<0.250		0.250	mg/kg	50	2032908	MS	29-Mar-22	8260B	
4-Chlorotoluene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
tert-Butylbenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,2,4-Trimethylbenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
sec-Butylbenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
p-Isopropyltoluene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,3-Dichlorobenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,4 Dichlorobenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
n-Butylbenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,2-Dichlorobenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,2-Dibromo-3-chloropropane*	<0.250		0.250	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Hexachlorobutadiene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,2,4-Trichlorobenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Naphthalene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,2,3-Trichlorobenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,4-Dioxane	<6.25		6.25	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Surrogate: Dibromofluoromethane			98.4 %	84.6-114		2032908	MS	29-Mar-22	8260B	
Surrogate: Toluene-d8			105 %	90.4-109		2032908	MS	29-Mar-22	8260B	
Surrogate: 4-Bromofluorobenzene			90.9 %	82.5-117		2032908	MS	29-Mar-22	8260B	

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* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ALTAMIRA - US 14229 PUNTA BONAIRE DR. CORPUS CHRISTI TX, 78418	Project: NOVO OVATION (PAD) Project Number: NOVONM2104 Project Manager: BRYAN HANEY Fax To:	Reported: 30-Mar-22 10:50
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P - 13 (1-1.5')

H221244-06 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Chloride	64.0		16.0	mg/kg	4	2033020	GM	30-Mar-22	4500-Cl-B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	2032832	MS	30-Mar-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2032832	MS	30-Mar-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2032832	MS	30-Mar-22	8015B	
Surrogate: 1-Chlorooctane			88.1 %	66.9-136		2032832	MS	30-Mar-22	8015B	
Surrogate: 1-Chlorooctadecane			92.3 %	59.5-142		2032832	MS	30-Mar-22	8015B	

VOLATILES BY GC/MS

Dichlorodifluoromethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Chloromethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Vinyl chloride*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Bromomethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Chloroethane*	<0.250		0.250	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Trichlorofluoromethane*	<0.250		0.250	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,1-Dichloroethene*	<0.250		0.250	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Carbon disulfide*	<0.250		0.250	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Iodomethane	<0.250		0.250	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Acrolein*	<0.250		0.250	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Methylene chloride*	<0.500		0.500	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Acetone*	<0.250		0.250	mg/kg	50	2032908	MS	29-Mar-22	8260B	
trans-1,2-Dichloroethene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Methyl t-Butyl Ether*	<0.050		0.050	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,1-Dichloroethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Acrylonitrile*	<0.050		0.050	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Vinyl acetate*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
cis-1,2-Dichloroethene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
2,2-Dichloropropane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ALTAMIRA - US 14229 PUNTA BONAIRE DR. CORPUS CHRISTI TX, 78418	Project: NOVO OVATION (PAD) Project Number: NOVONM2104 Project Manager: BRYAN HANEY Fax To:	Reported: 30-Mar-22 10:50
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**P - 13 (1-1.5')
H221244-06 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

VOLATILES BY GC/MS

Bromochloromethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Chloroform*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Carbon tetrachloride*	<0.050		0.050	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,1,1-Trichloroethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,1-Dichloropropene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
2-Butanone*	<0.050		0.050	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Benzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,2-Dichloroethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Trichloroethene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Dibromomethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,2-Dichloropropane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Bromodichloromethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
cis-1,3-Dichloropropene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Toluene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
4-Methyl-2-pentanone*	<0.050		0.050	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Tetrachloroethene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
trans-1,3-Dichloropropene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,1,2-Trichloroethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Dibromochloromethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,3-Dichloropropane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,2-Dibromoethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
2-Hexanone*	<0.050		0.050	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Chlorobenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Ethylbenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,1,1,2-Tetrachloroethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
m+p - Xylene*	<0.050		0.050	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Total Xylenes*	<0.050		0.050	mg/kg	50	2032908	MS	29-Mar-22	8260B	
o-Xylene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Bromoform*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ALTAMIRA - US
14229 PUNTA BONAIRE DR.
CORPUS CHRISTI TX, 78418

Project: NOVO OVATION (PAD)
Project Number: NOVONM2104
Project Manager: BRYAN HANEY
Fax To:

Reported:
30-Mar-22 10:50

P - 13 (1-1.5')**H221244-06 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**VOLATILES BY GC/MS**

Styrene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Isopropylbenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Bromobenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
n-Propylbenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,1,2,2-Tetrachloroethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
2-Chlorotoluene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,2,3-trichloropropane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,3,5-Trimethylbenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
trans-1,4-Dichloro-2-butene	<0.250		0.250	mg/kg	50	2032908	MS	29-Mar-22	8260B	
4-Chlorotoluene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
tert-Butylbenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,2,4-Trimethylbenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
sec-Butylbenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
p-Isopropyltoluene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,3-Dichlorobenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,4 Dichlorobenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
n-Butylbenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,2-Dichlorobenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,2-Dibromo-3-chloropropane*	<0.250		0.250	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Hexachlorobutadiene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,2,4-Trichlorobenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Naphthalene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,2,3-Trichlorobenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,4-Dioxane	<6.25		6.25	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Surrogate: Dibromofluoromethane			98.7 %	84.6-114		2032908	MS	29-Mar-22	8260B	
Surrogate: Toluene-d8			104 %	90.4-109		2032908	MS	29-Mar-22	8260B	
Surrogate: 4-Bromofluorobenzene			88.4 %	82.5-117		2032908	MS	29-Mar-22	8260B	

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* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ALTAMIRA - US 14229 PUNTA BONAIRE DR. CORPUS CHRISTI TX, 78418	Project: NOVO OVATION (PAD) Project Number: NOVONM2104 Project Manager: BRYAN HANEY Fax To:	Reported: 30-Mar-22 10:50
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P - 15 (1-1.5')

H221244-07 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Chloride	80.0		16.0	mg/kg	4	2033020	GM	30-Mar-22	4500-Cl-B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	2032832	MS	30-Mar-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2032832	MS	30-Mar-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2032832	MS	30-Mar-22	8015B	
Surrogate: 1-Chlorooctane			94.0 %	66.9-136		2032832	MS	30-Mar-22	8015B	
Surrogate: 1-Chlorooctadecane			98.0 %	59.5-142		2032832	MS	30-Mar-22	8015B	

VOLATILES BY GC/MS

Dichlorodifluoromethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Chloromethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Vinyl chloride*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Bromomethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Chloroethane*	<0.250		0.250	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Trichlorofluoromethane*	<0.250		0.250	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,1-Dichloroethene*	<0.250		0.250	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Carbon disulfide*	<0.250		0.250	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Iodomethane	<0.250		0.250	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Acrolein*	<0.250		0.250	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Methylene chloride*	<0.500		0.500	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Acetone*	<0.250		0.250	mg/kg	50	2032908	MS	29-Mar-22	8260B	
trans-1,2-Dichloroethene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Methyl t-Butyl Ether*	<0.050		0.050	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,1-Dichloroethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Acrylonitrile*	<0.050		0.050	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Vinyl acetate*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
cis-1,2-Dichloroethene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
2,2-Dichloropropane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ALTAMIRA - US 14229 PUNTA BONAIRE DR. CORPUS CHRISTI TX, 78418	Project: NOVO OVATION (PAD) Project Number: NOVONM2104 Project Manager: BRYAN HANEY Fax To:	Reported: 30-Mar-22 10:50
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**P - 15 (1-1.5')
H221244-07 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

VOLATILES BY GC/MS

Bromochloromethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Chloroform*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Carbon tetrachloride*	<0.050		0.050	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,1,1-Trichloroethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,1-Dichloropropene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
2-Butanone*	<0.050		0.050	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Benzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,2-Dichloroethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Trichloroethene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Dibromomethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,2-Dichloropropane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Bromodichloromethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
cis-1,3-Dichloropropene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Toluene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
4-Methyl-2-pentanone*	<0.050		0.050	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Tetrachloroethene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
trans-1,3-Dichloropropene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,1,2-Trichloroethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Dibromochloromethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,3-Dichloropropane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,2-Dibromoethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
2-Hexanone*	<0.050		0.050	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Chlorobenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Ethylbenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,1,1,2-Tetrachloroethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
m+p - Xylene*	<0.050		0.050	mg/kg	50	2032908	MS	29-Mar-22	8260B	
o-Xylene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Total Xylenes*	<0.050		0.050	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Bromoform*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ALTAMIRA - US
14229 PUNTA BONAIRE DR.
CORPUS CHRISTI TX, 78418

Project: NOVO OVATION (PAD)
Project Number: NOVONM2104
Project Manager: BRYAN HANEY
Fax To:

Reported:
30-Mar-22 10:50

P - 15 (1-1.5')**H221244-07 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**VOLATILES BY GC/MS**

Styrene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Isopropylbenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Bromobenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
n-Propylbenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,1,2,2-Tetrachloroethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
2-Chlorotoluene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,2,3-trichloropropane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,3,5-Trimethylbenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
trans-1,4-Dichloro-2-butene	<0.250		0.250	mg/kg	50	2032908	MS	29-Mar-22	8260B	
4-Chlorotoluene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
tert-Butylbenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,2,4-Trimethylbenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
sec-Butylbenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
p-Isopropyltoluene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,3-Dichlorobenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,4 Dichlorobenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
n-Butylbenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,2-Dichlorobenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,2-Dibromo-3-chloropropane*	<0.250		0.250	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Hexachlorobutadiene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,2,4-Trichlorobenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Naphthalene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,2,3-Trichlorobenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,4-Dioxane	<6.25		6.25	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Surrogate: Dibromofluoromethane			97.4 %	84.6-114		2032908	MS	29-Mar-22	8260B	
Surrogate: Toluene-d8			104 %	90.4-109		2032908	MS	29-Mar-22	8260B	
Surrogate: 4-Bromofluorobenzene			88.2 %	82.5-117		2032908	MS	29-Mar-22	8260B	

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* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ALTAMIRA - US 14229 PUNTA BONAIRE DR. CORPUS CHRISTI TX, 78418	Project: NOVO OVATION (PAD) Project Number: NOVONM2104 Project Manager: BRYAN HANEY Fax To:	Reported: 30-Mar-22 10:50
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**P - 17 (1-1.5')
H221244-08 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Chloride	128		16.0	mg/kg	4	2033020	GM	30-Mar-22	4500-Cl-B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	2032832	MS	30-Mar-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2032832	MS	30-Mar-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2032832	MS	30-Mar-22	8015B	
Surrogate: 1-Chlorooctane			86.3 %	66.9-136		2032832	MS	30-Mar-22	8015B	
Surrogate: 1-Chlorooctadecane			89.3 %	59.5-142		2032832	MS	30-Mar-22	8015B	

VOLATILES BY GC/MS

Dichlorodifluoromethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Chloromethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Vinyl chloride*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Bromomethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Chloroethane*	<0.250		0.250	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Trichlorofluoromethane*	<0.250		0.250	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,1-Dichloroethene*	<0.250		0.250	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Carbon disulfide*	<0.250		0.250	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Iodomethane	<0.250		0.250	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Acrolein*	<0.250		0.250	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Methylene chloride*	<0.500		0.500	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Acetone*	<0.250		0.250	mg/kg	50	2032908	MS	29-Mar-22	8260B	
trans-1,2-Dichloroethene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Methyl t-Butyl Ether*	<0.050		0.050	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,1-Dichloroethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Acrylonitrile*	<0.050		0.050	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Vinyl acetate*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
cis-1,2-Dichloroethene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
2,2-Dichloropropane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ALTAMIRA - US 14229 PUNTA BONAIRE DR. CORPUS CHRISTI TX, 78418	Project: NOVO OVATION (PAD) Project Number: NOVONM2104 Project Manager: BRYAN HANEY Fax To:	Reported: 30-Mar-22 10:50
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**P - 17 (1-1.5')
H221244-08 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

VOLATILES BY GC/MS

Bromochloromethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Chloroform*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Carbon tetrachloride*	<0.050		0.050	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,1,1-Trichloroethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,1-Dichloropropene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
2-Butanone*	<0.050		0.050	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Benzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,2-Dichloroethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Trichloroethene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Dibromomethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,2-Dichloropropane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Bromodichloromethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
cis-1,3-Dichloropropene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Toluene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
4-Methyl-2-pentanone*	<0.050		0.050	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Tetrachloroethene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
trans-1,3-Dichloropropene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,1,2-Trichloroethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Dibromochloromethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,3-Dichloropropane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,2-Dibromoethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
2-Hexanone*	<0.050		0.050	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Chlorobenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Ethylbenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,1,1,2-Tetrachloroethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
m+p - Xylene*	<0.050		0.050	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Total Xylenes*	<0.050		0.050	mg/kg	50	2032908	MS	29-Mar-22	8260B	
o-Xylene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Bromoform*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ALTAMIRA - US
14229 PUNTA BONAIRE DR.
CORPUS CHRISTI TX, 78418

Project: NOVO OVATION (PAD)
Project Number: NOVONM2104
Project Manager: BRYAN HANEY
Fax To:

Reported:
30-Mar-22 10:50

P - 17 (1-1.5')**H221244-08 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**VOLATILES BY GC/MS**

Styrene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Isopropylbenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Bromobenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
n-Propylbenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,1,2,2-Tetrachloroethane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
2-Chlorotoluene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,2,3-trichloropropane*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,3,5-Trimethylbenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
trans-1,4-Dichloro-2-butene	<0.250		0.250	mg/kg	50	2032908	MS	29-Mar-22	8260B	
4-Chlorotoluene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
tert-Butylbenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,2,4-Trimethylbenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
sec-Butylbenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
p-Isopropyltoluene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,3-Dichlorobenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,4 Dichlorobenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
n-Butylbenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,2-Dichlorobenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,2-Dibromo-3-chloropropane*	<0.250		0.250	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Hexachlorobutadiene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,2,4-Trichlorobenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Naphthalene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,2,3-Trichlorobenzene*	<0.025		0.025	mg/kg	50	2032908	MS	29-Mar-22	8260B	
1,4-Dioxane	<6.25		6.25	mg/kg	50	2032908	MS	29-Mar-22	8260B	
Surrogate: Dibromofluoromethane			98.3 %	84.6-114		2032908	MS	29-Mar-22	8260B	
Surrogate: Toluene-d8			104 %	90.4-109		2032908	MS	29-Mar-22	8260B	
Surrogate: 4-Bromofluorobenzene			87.9 %	82.5-117		2032908	MS	29-Mar-22	8260B	

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ALTAMIRA - US
14229 PUNTA BONAIRE DR.
CORPUS CHRISTI TX, 78418

Project: NOVO OVATION (PAD)
Project Number: NOVONM2104
Project Manager: BRYAN HANEY
Fax To:

Reported:
30-Mar-22 10:50

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Analytical Results For:

ALTAMIRA - US 14229 PUNTA BONAIRE DR. CORPUS CHRISTI TX, 78418	Project: NOVO OVATION (PAD) Project Number: NOVONM2104 Project Manager: BRYAN HANEY Fax To:	Reported: 30-Mar-22 10:50
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Inorganic Compounds - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 2033020 - 1:4 DI Water										
Blank (2033020-BLK1)										
Prepared & Analyzed: 30-Mar-22										
Chloride	ND	16.0	mg/kg							
LCS (2033020-BS1)										
Prepared & Analyzed: 30-Mar-22										
Chloride	416	16.0	mg/kg	400		104	80-120			
LCS Dup (2033020-BSD1)										
Prepared & Analyzed: 30-Mar-22										
Chloride	416	16.0	mg/kg	400		104	80-120	0.00	20	

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Analytical Results For:

ALTAMIRA - US 14229 PUNTA BONAIRE DR. CORPUS CHRISTI TX, 78418	Project: NOVO OVATION (PAD) Project Number: NOVONM2104 Project Manager: BRYAN HANEY Fax To:	Reported: 30-Mar-22 10:50
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Petroleum Hydrocarbons by GC FID - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 2032832 - General Prep - Organics

Blank (2032832-BLK1)				Prepared: 28-Mar-22 Analyzed: 29-Mar-22						
GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
<i>Surrogate: 1-Chlorooctane</i>	49.9		mg/kg	50.0		99.9	66.9-136			
<i>Surrogate: 1-Chlorooctadecane</i>	52.3		mg/kg	50.0		105	59.5-142			

LCS (2032832-BS1)				Prepared: 28-Mar-22 Analyzed: 29-Mar-22						
GRO C6-C10	187	10.0	mg/kg	200		93.6	78.5-128			
DRO >C10-C28	187	10.0	mg/kg	200		93.6	75.8-135			
Total TPH C6-C28	374	10.0	mg/kg	400		93.6	81.5-127			
<i>Surrogate: 1-Chlorooctane</i>	50.3		mg/kg	50.0		101	66.9-136			
<i>Surrogate: 1-Chlorooctadecane</i>	53.9		mg/kg	50.0		108	59.5-142			

LCS Dup (2032832-BSD1)				Prepared: 28-Mar-22 Analyzed: 29-Mar-22						
GRO C6-C10	198	10.0	mg/kg	200		98.8	78.5-128	5.39	21.4	
DRO >C10-C28	196	10.0	mg/kg	200		97.9	75.8-135	4.45	17.9	
Total TPH C6-C28	393	10.0	mg/kg	400		98.3	81.5-127	4.92	17.6	
<i>Surrogate: 1-Chlorooctane</i>	51.1		mg/kg	50.0		102	66.9-136			
<i>Surrogate: 1-Chlorooctadecane</i>	55.4		mg/kg	50.0		111	59.5-142			

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Analytical Results For:

ALTAMIRA - US 14229 PUNTA BONAIRE DR. CORPUS CHRISTI TX, 78418	Project: NOVO OVATION (PAD) Project Number: NOVONM2104 Project Manager: BRYAN HANEY Fax To:	Reported: 30-Mar-22 10:50
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VOLATILES BY GC/MS - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 2032908 - Volatiles

Blank (2032908-BLK1)

Prepared & Analyzed: 29-Mar-22

Dichlorodifluoromethane	ND	0.025	mg/kg							
Chloromethane	ND	0.025	mg/kg							
Vinyl chloride	ND	0.025	mg/kg							
Bromomethane	ND	0.025	mg/kg							
Chloroethane	ND	0.250	mg/kg							
Trichlorofluoromethane	ND	0.250	mg/kg							
1,1-Dichloroethene	ND	0.250	mg/kg							
Carbon disulfide	ND	0.250	mg/kg							
Iodomethane	ND	0.250	mg/kg							
Acrolein	ND	0.250	mg/kg							
Methylene chloride	ND	0.500	mg/kg							
Acetone	ND	0.250	mg/kg							
trans-1,2-Dichloroethene	ND	0.025	mg/kg							
Methyl t-Butyl Ether	ND	0.050	mg/kg							
1,1-Dichloroethane	ND	0.025	mg/kg							
Acrylonitrile	ND	0.050	mg/kg							
Vinyl acetate	ND	0.025	mg/kg							
cis-1,2-Dichloroethene	ND	0.025	mg/kg							
2,2-Dichloropropane	ND	0.025	mg/kg							
Bromochloromethane	ND	0.025	mg/kg							
Chloroform	ND	0.025	mg/kg							
Carbon tetrachloride	ND	0.050	mg/kg							
1,1,1-Trichloroethane	ND	0.025	mg/kg							
1,1-Dichloropropene	ND	0.025	mg/kg							
2-Butanone	ND	0.050	mg/kg							
Benzene	ND	0.025	mg/kg							
1,2-Dichloroethane	ND	0.025	mg/kg							
Trichloroethene	ND	0.025	mg/kg							
Dibromomethane	ND	0.025	mg/kg							
1,2-Dichloropropane	ND	0.025	mg/kg							
Bromodichloromethane	ND	0.025	mg/kg							
cis-1,3-Dichloropropene	ND	0.025	mg/kg							

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Analytical Results For:

ALTAMIRA - US 14229 PUNTA BONAIRE DR. CORPUS CHRISTI TX, 78418	Project: NOVO OVATION (PAD) Project Number: NOVONM2104 Project Manager: BRYAN HANEY Fax To:	Reported: 30-Mar-22 10:50
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VOLATILES BY GC/MS - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 2032908 - Volatiles

Blank (2032908-BLK1)

Prepared & Analyzed: 29-Mar-22

Toluene	ND	0.025	mg/kg							
4-Methyl-2-pentanone	ND	0.050	mg/kg							
Tetrachloroethene	ND	0.025	mg/kg							
trans-1,3-Dichloropropene	ND	0.025	mg/kg							
1,1,2-Trichloroethane	ND	0.025	mg/kg							
Dibromochloromethane	ND	0.025	mg/kg							
1,3-Dichloropropane	ND	0.025	mg/kg							
1,2-Dibromoethane	ND	0.025	mg/kg							
2-Hexanone	ND	0.050	mg/kg							
Chlorobenzene	ND	0.025	mg/kg							
Ethylbenzene	ND	0.025	mg/kg							
1,1,1,2-Tetrachloroethane	ND	0.025	mg/kg							
m+p - Xylene	ND	0.050	mg/kg							
o-Xylene	ND	0.025	mg/kg							
Total Xylenes	ND	0.050	mg/kg							
Bromoform	ND	0.025	mg/kg							
Styrene	ND	0.025	mg/kg							
Isopropylbenzene	ND	0.025	mg/kg							
Bromobenzene	ND	0.025	mg/kg							
n-Propylbenzene	ND	0.025	mg/kg							
1,1,2,2-Tetrachloroethane	ND	0.025	mg/kg							
2-Chlorotoluene	ND	0.025	mg/kg							
1,2,3-trichloropropane	ND	0.025	mg/kg							
1,3,5-Trimethylbenzene	ND	0.025	mg/kg							
trans-1,4-Dichloro-2-butene	ND	0.250	mg/kg							
4-Chlorotoluene	ND	0.025	mg/kg							
tert-Butylbenzene	ND	0.025	mg/kg							
1,2,4-Trimethylbenzene	ND	0.025	mg/kg							
sec-Butylbenzene	ND	0.025	mg/kg							
p-Isopropyltoluene	ND	0.025	mg/kg							
1,3-Dichlorobenzene	ND	0.025	mg/kg							
1,4 Dichlorobenzene	ND	0.025	mg/kg							

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ALTAMIRA - US
14229 PUNTA BONAIRE DR.
CORPUS CHRISTI TX, 78418

Project: NOVO OVATION (PAD)
Project Number: NOVONM2104
Project Manager: BRYAN HANEY
Fax To:

Reported:
30-Mar-22 10:50

VOLATILES BY GC/MS - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 2032908 - Volatiles**Blank (2032908-BLK1)**

Prepared & Analyzed: 29-Mar-22

n-Butylbenzene	ND	0.025	mg/kg							
1,2-Dichlorobenzene	ND	0.025	mg/kg							
1,2-Dibromo-3-chloropropane	ND	0.250	mg/kg							
Hexachlorobutadiene	ND	0.025	mg/kg							
1,2,4-Trichlorobenzene	ND	0.025	mg/kg							
Naphthalene	ND	0.025	mg/kg							
1,2,3-Trichlorobenzene	ND	0.025	mg/kg							
1,4-Dioxane	ND	6.25	mg/kg							
Surrogate: Dibromofluoromethane	1.23		mg/kg	1.25		98.1	84.6-114			
Surrogate: Toluene-d8	1.29		mg/kg	1.25		103	90.4-109			
Surrogate: 4-Bromofluorobenzene	1.16		mg/kg	1.25		92.7	82.5-117			

LCS (2032908-BS1)

Prepared & Analyzed: 29-Mar-22

Dichlorodifluoromethane	0.360	0.025	mg/kg	0.500		72.0	4.03-173			
Chloromethane	0.484	0.025	mg/kg	0.500		96.9	52.6-147			
Vinyl chloride	0.499	0.025	mg/kg	0.500		99.8	57.3-152			
Bromomethane	0.357	0.025	mg/kg	0.500		71.5	16.8-174			
Chloroethane	0.278	0.250	mg/kg	0.500		55.7	14.2-203			
Trichlorofluoromethane	0.310	0.250	mg/kg	0.500		62.0	-18.7-214			
1,1-Dichloroethene	0.269	0.250	mg/kg	0.500		53.7	30.5-180			
Carbon disulfide	0.602	0.250	mg/kg	1.00		60.2	43.8-148			
Iodomethane	0.671	0.250	mg/kg	1.00		67.1	45.2-157			
Acrolein	2.72	0.250	mg/kg	5.00		54.4	-46.2-174			
Methylene chloride	0.430	0.500	mg/kg	0.500		86.1	31.5-204			
Acetone	0.613	0.250	mg/kg	1.00		61.3	14.7-198			
trans-1,2-Dichloroethene	0.472	0.025	mg/kg	0.500		94.4	56.4-152			
Methyl t-Butyl Ether	0.963	0.050	mg/kg	1.00		96.3	42.7-160			
1,1-Dichloroethane	0.527	0.025	mg/kg	0.500		105	79.2-128			
Acrylonitrile	1.18	0.050	mg/kg	1.00		118	64.8-130			
Vinyl acetate	0.534	0.025	mg/kg	0.500		107	62.2-134			
cis-1,2-Dichloroethene	0.513	0.025	mg/kg	0.500		103	78.9-127			
2,2-Dichloropropane	0.424	0.025	mg/kg	0.500		84.9	69.4-140			

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ALTAMIRA - US
14229 PUNTA BONAIRE DR.
CORPUS CHRISTI TX, 78418

Project: NOVO OVATION (PAD)
Project Number: NOVONM2104
Project Manager: BRYAN HANEY
Fax To:

Reported:
30-Mar-22 10:50

VOLATILES BY GC/MS - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 2032908 - Volatiles**LCS (2032908-BS1)**

Prepared & Analyzed: 29-Mar-22

Bromochloromethane	0.462	0.025	mg/kg	0.500		92.4	69.4-131			
Chloroform	0.490	0.025	mg/kg	0.500		98.1	70.6-131			
Carbon tetrachloride	0.475	0.050	mg/kg	0.500		94.9	54.7-158			
1,1,1-Trichloroethane	0.478	0.025	mg/kg	0.500		95.6	70.2-141			
1,1-Dichloropropene	0.498	0.025	mg/kg	0.500		99.6	73.5-137			
2-Butanone	0.836	0.050	mg/kg	1.00		83.6	56-139			
Benzene	0.500	0.025	mg/kg	0.500		100	73-130			
1,2-Dichloroethane	0.454	0.025	mg/kg	0.500		90.9	63.5-141			
Trichloroethene	0.471	0.025	mg/kg	0.500		94.1	80.2-122			
Dibromomethane	0.458	0.025	mg/kg	0.500		91.6	68.6-130			
1,2-Dichloropropane	0.485	0.025	mg/kg	0.500		97.0	71.3-132			
Bromodichloromethane	0.474	0.025	mg/kg	0.500		94.8	70.7-131			
cis-1,3-Dichloropropene	0.515	0.025	mg/kg	0.500		103	84.9-119			
Toluene	0.502	0.025	mg/kg	0.500		100	79-122			
4-Methyl-2-pentanone	0.940	0.050	mg/kg	1.00		94.0	61.6-129			
Tetrachloroethene	0.527	0.025	mg/kg	0.500		105	55.7-160			
trans-1,3-Dichloropropene	0.500	0.025	mg/kg	0.500		100	79.4-121			
1,1,2-Trichloroethane	0.505	0.025	mg/kg	0.500		101	63.6-133			
Dibromochloromethane	0.527	0.025	mg/kg	0.500		105	73.9-125			
1,3-Dichloropropane	0.507	0.025	mg/kg	0.500		101	76.6-124			
1,2-Dibromoethane	0.499	0.025	mg/kg	0.500		99.8	77.1-119			
2-Hexanone	0.980	0.050	mg/kg	1.00		98.0	59.5-132			
Chlorobenzene	0.503	0.025	mg/kg	0.500		101	87.1-116			
Ethylbenzene	0.539	0.025	mg/kg	0.500		108	75.4-127			
1,1,1,2-Tetrachloroethane	0.509	0.025	mg/kg	0.500		102	79.8-123			
m+p - Xylene	1.05	0.050	mg/kg	1.00		105	71.8-133			
o-Xylene	0.520	0.025	mg/kg	0.500		104	78.6-125			
Total Xylenes	1.57	0.050	mg/kg	1.50		105	74.6-130			
Bromoform	0.535	0.025	mg/kg	0.500		107	58.6-143			
Styrene	0.483	0.025	mg/kg	0.500		96.7	85.7-121			
Isopropylbenzene	0.511	0.025	mg/kg	0.500		102	71.7-137			
Bromobenzene	0.510	0.025	mg/kg	0.500		102	84.8-114			

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ALTAMIRA - US
14229 PUNTA BONAIRE DR.
CORPUS CHRISTI TX, 78418

Project: NOVO OVATION (PAD)
Project Number: NOVONM2104
Project Manager: BRYAN HANEY
Fax To:

Reported:
30-Mar-22 10:50

VOLATILES BY GC/MS - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 2032908 - Volatiles**LCS (2032908-BS1)**

Prepared & Analyzed: 29-Mar-22

n-Propylbenzene	0.553	0.025	mg/kg	0.500		111	52.9-144			
1,1,2,2-Tetrachloroethane	0.483	0.025	mg/kg	0.500		96.6	63.2-124			
2-Chlorotoluene	0.525	0.025	mg/kg	0.500		105	74.8-126			
1,2,3-trichloropropane	0.543	0.025	mg/kg	0.500		109	53-140			
1,3,5-Trimethylbenzene	0.559	0.025	mg/kg	0.500		112	64.4-138			
trans-1,4-Dichloro-2-butene	1.52	0.250	mg/kg	1.00		152	-15.6-219			
4-Chlorotoluene	0.543	0.025	mg/kg	0.500		109	68.4-135			
tert-Butylbenzene	0.548	0.025	mg/kg	0.500		110	62.1-139			
1,2,4-Trimethylbenzene	0.563	0.025	mg/kg	0.500		113	62.4-140			
sec-Butylbenzene	0.586	0.025	mg/kg	0.500		117	61.9-148			
p-Isopropyltoluene	0.583	0.025	mg/kg	0.500		117	56.9-141			
1,3-Dichlorobenzene	0.535	0.025	mg/kg	0.500		107	74.7-123			
1,4 Dichlorobenzene	0.507	0.025	mg/kg	0.500		101	75.2-120			
n-Butylbenzene	0.569	0.025	mg/kg	0.500		114	41.1-164			
1,2-Dichlorobenzene	0.520	0.025	mg/kg	0.500		104	80.8-114			
1,2-Dibromo-3-chloropropane	0.483	0.250	mg/kg	0.500		96.7	51.1-134			
Hexachlorobutadiene	0.670	0.025	mg/kg	0.500		134	13.4-183			
1,2,4-Trichlorobenzene	0.594	0.025	mg/kg	0.500		119	39.7-150			
Naphthalene	0.555	0.025	mg/kg	0.500		111	28.7-158			
1,2,3-Trichlorobenzene	0.556	0.025	mg/kg	0.500		111	13.8-171			
1,4-Dioxane	10.4	6.25	mg/kg	10.0		104	47.3-105			
Surrogate: Dibromofluoromethane	1.25		mg/kg	1.25		100	84.6-114			
Surrogate: Toluene-d8	1.26		mg/kg	1.25		101	90.4-109			
Surrogate: 4-Bromofluorobenzene	1.20		mg/kg	1.25		96.0	82.5-117			

LCS Dup (2032908-BS1)

Prepared & Analyzed: 29-Mar-22

Dichlorodifluoromethane	0.366	0.025	mg/kg	0.500		73.3	4.03-173	1.76	41.1	
Chloromethane	0.491	0.025	mg/kg	0.500		98.3	52.6-147	1.46	22.8	
Vinyl chloride	0.502	0.025	mg/kg	0.500		100	57.3-152	0.555	27.7	
Bromomethane	0.290	0.025	mg/kg	0.500		58.0	16.8-174	20.8	23.5	
Chloroethane	0.294	0.250	mg/kg	0.500		58.7	14.2-203	5.32	27.5	
Trichlorofluoromethane	0.284	0.250	mg/kg	0.500		56.8	-18.7-214	8.77	61.9	

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ALTAMIRA - US 14229 PUNTA BONAIRE DR. CORPUS CHRISTI TX, 78418	Project: NOVO OVATION (PAD) Project Number: NOVONM2104 Project Manager: BRYAN HANEY Fax To:	Reported: 30-Mar-22 10:50
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VOLATILES BY GC/MS - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 2032908 - Volatiles

LCS Dup (2032908-BSD1)

Prepared & Analyzed: 29-Mar-22

1,1-Dichloroethene	0.281	0.250	mg/kg	0.500		56.2	30.5-180	4.53	26.1	
Carbon disulfide	0.579	0.250	mg/kg	1.00		57.9	43.8-148	3.88	25.9	
Iodomethane	0.660	0.250	mg/kg	1.00		66.0	45.2-157	1.69	19.7	
Acrolein	2.37	0.250	mg/kg	5.00		47.4	-46.2-174	13.8	25.5	
Methylene chloride	0.351	0.500	mg/kg	0.500		70.1	31.5-204	20.4	45.3	
Acetone	0.505	0.250	mg/kg	1.00		50.5	14.7-198	19.4	171	
trans-1,2-Dichloroethene	0.371	0.025	mg/kg	0.500		74.2	56.4-152	23.9	22.7	QR-04
Methyl t-Butyl Ether	0.891	0.050	mg/kg	1.00		89.1	42.7-160	7.77	31.5	
1,1-Dichloroethane	0.579	0.025	mg/kg	0.500		116	79.2-128	9.45	17.9	
Acrylonitrile	1.26	0.050	mg/kg	1.00		126	64.8-130	6.63	17	
Vinyl acetate	0.575	0.025	mg/kg	0.500		115	62.2-134	7.43	20.1	
cis-1,2-Dichloroethene	0.585	0.025	mg/kg	0.500		117	78.9-127	13.1	16.5	
2,2-Dichloropropane	0.499	0.025	mg/kg	0.500		99.8	69.4-140	16.2	20.4	
Bromochloromethane	0.507	0.025	mg/kg	0.500		101	69.4-131	9.25	19.5	
Chloroform	0.551	0.025	mg/kg	0.500		110	70.6-131	11.6	16.7	
Carbon tetrachloride	0.515	0.050	mg/kg	0.500		103	54.7-158	8.12	22.2	
1,1,1-Trichloroethane	0.508	0.025	mg/kg	0.500		102	70.2-141	6.02	22.1	
1,1-Dichloropropene	0.524	0.025	mg/kg	0.500		105	73.5-137	5.02	32.2	
2-Butanone	0.927	0.050	mg/kg	1.00		92.7	56-139	10.3	27.1	
Benzene	0.493	0.025	mg/kg	0.500		98.6	73-130	1.41	17.1	
1,2-Dichloroethane	0.455	0.025	mg/kg	0.500		90.9	63.5-141	0.0396	16.4	
Trichloroethene	0.473	0.025	mg/kg	0.500		94.5	80.2-122	0.435	19.9	
Dibromomethane	0.435	0.025	mg/kg	0.500		87.0	68.6-130	5.11	17.2	
1,2-Dichloropropane	0.500	0.025	mg/kg	0.500		99.9	71.3-132	2.98	14.6	
Bromodichloromethane	0.475	0.025	mg/kg	0.500		94.9	70.7-131	0.120	16.3	
cis-1,3-Dichloropropene	0.505	0.025	mg/kg	0.500		101	84.9-119	2.00	11.8	
Toluene	0.493	0.025	mg/kg	0.500		98.6	79-122	1.88	18.3	
4-Methyl-2-pentanone	0.927	0.050	mg/kg	1.00		92.7	61.6-129	1.36	18.1	
Tetrachloroethene	0.530	0.025	mg/kg	0.500		106	55.7-160	0.507	41.8	
trans-1,3-Dichloropropene	0.490	0.025	mg/kg	0.500		98.0	79.4-121	2.03	15.3	
1,1,2-Trichloroethane	0.492	0.025	mg/kg	0.500		98.3	63.6-133	2.73	32.9	
Dibromochloromethane	0.504	0.025	mg/kg	0.500		101	73.9-125	4.46	12.9	

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ALTAMIRA - US
14229 PUNTA BONAIRE DR.
CORPUS CHRISTI TX, 78418

Project: NOVO OVATION (PAD)
Project Number: NOVONM2104
Project Manager: BRYAN HANEY
Fax To:

Reported:
30-Mar-22 10:50

VOLATILES BY GC/MS - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 2032908 - Volatiles**LCS Dup (2032908-BSD1)**

Prepared & Analyzed: 29-Mar-22

1,3-Dichloropropane	0.490	0.025	mg/kg	0.500		98.1	76.6-124	3.35	13.1	
1,2-Dibromoethane	0.494	0.025	mg/kg	0.500		98.7	77.1-119	1.10	13.7	
2-Hexanone	0.941	0.050	mg/kg	1.00		94.1	59.5-132	4.14	22.2	
Chlorobenzene	0.494	0.025	mg/kg	0.500		98.9	87.1-116	1.80	11.3	
Ethylbenzene	0.517	0.025	mg/kg	0.500		103	75.4-127	4.03	16.5	
1,1,1,2-Tetrachloroethane	0.493	0.025	mg/kg	0.500		98.6	79.8-123	3.28	10.8	
m+p - Xylene	1.04	0.050	mg/kg	1.00		104	71.8-133	1.49	19.1	
Total Xylenes	1.55	0.050	mg/kg	1.50		103	74.6-130	1.75	16.5	
o-Xylene	0.508	0.025	mg/kg	0.500		102	78.6-125	2.27	13.2	
Bromoform	0.516	0.025	mg/kg	0.500		103	58.6-143	3.49	12.9	
Styrene	0.479	0.025	mg/kg	0.500		95.7	85.7-121	0.981	11.5	
Isopropylbenzene	0.498	0.025	mg/kg	0.500		99.5	71.7-137	2.67	25.2	
Bromobenzene	0.504	0.025	mg/kg	0.500		101	84.8-114	1.26	14.6	
n-Propylbenzene	0.537	0.025	mg/kg	0.500		107	52.9-144	2.86	57.4	
1,1,2,2-Tetrachloroethane	0.471	0.025	mg/kg	0.500		94.1	63.2-124	2.56	14.4	
2-Chlorotoluene	0.514	0.025	mg/kg	0.500		103	74.8-126	2.14	26	
1,2,3-trichloropropane	0.462	0.025	mg/kg	0.500		92.4	53-140	16.2	30.1	
1,3,5-Trimethylbenzene	0.542	0.025	mg/kg	0.500		108	64.4-138	3.04	39.1	
trans-1,4-Dichloro-2-butene	0.903	0.250	mg/kg	1.00		90.3	-15.6-219	51.2	162	
4-Chlorotoluene	0.522	0.025	mg/kg	0.500		104	68.4-135	3.94	29.2	
tert-Butylbenzene	0.548	0.025	mg/kg	0.500		110	62.1-139	0.0967	30.4	
1,2,4-Trimethylbenzene	0.547	0.025	mg/kg	0.500		109	62.4-140	3.02	38.2	
sec-Butylbenzene	0.567	0.025	mg/kg	0.500		113	61.9-148	3.13	60.1	
p-Isopropyltoluene	0.561	0.025	mg/kg	0.500		112	56.9-141	3.77	67.5	
1,3-Dichlorobenzene	0.502	0.025	mg/kg	0.500		100	74.7-123	6.36	28.6	
1,4 Dichlorobenzene	0.486	0.025	mg/kg	0.500		97.2	75.2-120	4.15	28.8	
n-Butylbenzene	0.529	0.025	mg/kg	0.500		106	41.1-164	7.32	91.5	
1,2-Dichlorobenzene	0.500	0.025	mg/kg	0.500		100	80.8-114	3.95	15.8	
1,2-Dibromo-3-chloropropane	0.457	0.250	mg/kg	0.500		91.4	51.1-134	5.61	29.5	
Hexachlorobutadiene	0.613	0.025	mg/kg	0.500		123	13.4-183	8.98	105	
1,2,4-Trichlorobenzene	0.516	0.025	mg/kg	0.500		103	39.7-150	14.1	65.9	
Naphthalene	0.513	0.025	mg/kg	0.500		103	28.7-158	7.88	64	

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ALTAMIRA - US 14229 PUNTA BONAIRE DR. CORPUS CHRISTI TX, 78418	Project: NOVO OVATION (PAD) Project Number: NOVONM2104 Project Manager: BRYAN HANEY Fax To:	Reported: 30-Mar-22 10:50
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VOLATILES BY GC/MS - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 2032908 - Volatiles

LCS Dup (2032908-BSD1)

Prepared & Analyzed: 29-Mar-22

1,2,3-Trichlorobenzene	0.530	0.025	mg/kg	0.500		106	13.8-171	4.76	65.2	
1,4-Dioxane	10.3	6.25	mg/kg	10.0		103	47.3-105	1.54	72.3	
Surrogate: Dibromofluoromethane	1.31		mg/kg	1.25		105	84.6-114			
Surrogate: Toluene-d8	1.28		mg/kg	1.25		102	90.4-109			
Surrogate: 4-Bromofluorobenzene	1.18		mg/kg	1.25		94.8	82.5-117			

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Notes and Definitions

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

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: *Altamira-us*
Project Manager: *Bryan Haney*
Address: *14229 Punta Borrer Dr*
City: *Corpus Christi* **State:** *TX* **zip:** *78918*
Phone #: *361 658 3126* **Fax #:** *—*
Project #: *1420 N10N1214* **Project Owner:** *Bryan Haney*
Project Name: *Water Detection (Bad)*
Project Location: *Kaplan, New Mexico*
Sampler Name: *Alfredo Orfalo*

FOR LAB USE ONLY

Company: *Altamira-us*
Attn: *Bryan Haney*
Address: *14229 Punta Borrer Dr*
City: *Corpus Christi*
State: *TX* **zip:** *78918*
Phone #: *361 658 3126*
Fax #: *—*

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						PRESERV.		DATE	TIME	ANALYSIS REQUEST
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL			
<i>14201244</i>	<i>P-3 (1-1.5)</i>	<i>()</i>	<i>1</i>	<i>X</i>							<i>3/29/2022</i>	<i>0825</i>	<i>Chlorides 300.0 equivalent</i>	
	<i>P-5 (1-1.5)</i>	<i>()</i>	<i>1</i>	<i>X</i>							<i>4/9/2022</i>	<i>0829</i>	<i>TPH (8015 D/8015M) 620 DRG mro</i>	
	<i>P-7 (1-1.5)</i>	<i>()</i>	<i>1</i>	<i>X</i>							<i>3/29/2022</i>	<i>0833</i>		
	<i>P-9 (1-1.5)</i>	<i>()</i>	<i>1</i>	<i>X</i>							<i>3/29/2022</i>	<i>0849</i>		
	<i>P-11 (1-1.5)</i>	<i>()</i>	<i>1</i>	<i>X</i>							<i>3/29/2022</i>	<i>0906</i>		
	<i>P-13 (1-1.5)</i>	<i>()</i>	<i>1</i>	<i>X</i>							<i>3/29/2022</i>	<i>1008</i>		
	<i>P-15 (1-1.5)</i>	<i>()</i>	<i>1</i>	<i>X</i>							<i>3/29/2022</i>	<i>1012</i>		
	<i>P-17 (1-1.5)</i>	<i>()</i>	<i>1</i>	<i>X</i>							<i>3/29/2022</i>	<i>1018</i>	<i>VOCs 8260</i>	

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Relinquished By: *[Signature]*
Date: *3/29/22*
Time: *1403*
Received By: *[Signature]*
Date: *3/29/22*
Time: *1403*
Received By: *[Signature]*

Delivered By: (Circle One)
Sampler - UPS - Bus - Other: *Other*
Observed Temp. °C: *0.9°C*
Corrected Temp. °C: *0.4°C*
Sample Condition: Cool Intact
Checked By: *[Signature]*
Turnaround Time: *Standard*
Thermometer ID #113 **Correction Factor -0.5°C**
Remarks: *RUSH!*
Verbal Result: Yes No **Add'l Phone #:**
All Results are emailed. Please provide Email address:
Bacteria (only) Sample Condition: Cool Intact
Corrected Temp. °C:



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March 31, 2022

BRYAN HANEY

ALTAMIRA - US

14229 PUNTA BONAIRE DR.

CORPUS CHRISTI, TX 78418

RE: NOVO OVATION (PAD)

Enclosed are the results of analyses for samples received by the laboratory on 03/30/22 16:43.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/ga/lab_accred_certif.html.

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

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

Cardinal Laboratories is accredited through the State of New Mexico Environment Department for:

Method SM 9223-B	Total Coliform and E. coli (Colilert MMO-MUG)
Method EPA 524.2	Regulated VOCs and Total Trihalomethanes (TTHM)
Method EPA 552.2	Total Haloacetic Acids (HAA-5)

Accreditation applies to public drinking water matrices for State of Colorado and New Mexico.

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



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Analytical Results For:

ALTAMIRA - US 14229 PUNTA BONAIRE DR. CORPUS CHRISTI TX, 78418	Project: NOVO OVATION (PAD) Project Number: NOVONM2104 Project Manager: BRYAN HANEY Fax To:	Reported: 31-Mar-22 10:52
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Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
P - 4 (2-2.5')	H221280-01	Soil	30-Mar-22 11:18	30-Mar-22 16:43

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Analytical Results For:

ALTAMIRA - US 14229 PUNTA BONAIRE DR. CORPUS CHRISTI TX, 78418	Project: NOVO OVATION (PAD) Project Number: NOVONM2104 Project Manager: BRYAN HANEY Fax To:	Reported: 31-Mar-22 10:52
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P - 4 (2-2.5')
H221280-01 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Chloride	16.0		16.0	mg/kg	4	2033119	GM	31-Mar-22	4500-Cl-B	
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Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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Inorganic Compounds - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 2033119 - 1:4 DI Water										
Blank (2033119-BLK1)										
Prepared & Analyzed: 31-Mar-22										
Chloride	ND	16.0	mg/kg							
LCS (2033119-BS1)										
Prepared & Analyzed: 31-Mar-22										
Chloride	400	16.0	mg/kg	400		100	80-120			
LCS Dup (2033119-BSD1)										
Prepared & Analyzed: 31-Mar-22										
Chloride	432	16.0	mg/kg	400		108	80-120	7.69	20	

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Notes and Definitions

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

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: <i>Atkins Inc</i> Project Manager: <i>Bryan Hancy</i> Address: <i>4129 pulte bore dr</i> City: <i>caprus ariz</i> State: <i>NM</i> Zip: <i>88718</i> Phone #: <i>361 658 3126</i> Fax #: <i>---</i> Project #: <i>ABD NM 2104</i> Project Owner: <i>Bryan Hancy</i> Project Name: <i>ABD Octagon (pad)</i> Project Location: <i>Logans New Mexico</i> Sampler Name: <i>Wanda Gabeler</i>		BILL TO P.O. #: Company: <i>Atkins Inc</i> Attn: <i>Bryan Hancy</i> Address: <i>4129 Pulte Bore Dr</i> City: <i>Caprus Ariz</i> State: <i>NM</i> Zip: <i>88418</i> Phone #: <i>361-6583126</i> Fax #:		ANALYSIS REQUEST	
FOR LAB USE ONLY Lab I.D. <i>H031280</i> Sample I.D.		MATRIX GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER :		PRESERV ACID/BASE: ICE / COOL OTHER :	
1 <i>P-4 (2-25)</i> 2 <i>P-4 (2.5-3)</i> 3 <i>P-4 (3-35)</i>		(G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER :		DATE TIME	
1 2 3		X X X		X X X	
3/2/25 11/8 3/2/25 11/23 3/2/25 11/31		X X X		Chlorides (300.0 equivalent)	

PLEASE NOTE: Liability and Damages: Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analysis. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By: *[Signature]* **Date:** *3/2/22* **Time:** *6:43*
Received By: *[Signature]*

Delivered By: (Circle One) UPS Bus Other: **Observed Temp. °C:** *2.02* **Corrected Temp. °C:** *2.12*
Sample Condition: Cool Intact Yes No Yes No No **CHECKED BY:** *[Signature]*

Turnaround Time: *Push 11 29hr FAT*
 Standard Rush Bacteria (only) Sample Condition Cool Intact Yes No Yes No No **Observed Temp. °C:** **Corrected Temp. °C:**

REMARKS: *Push 11 29hr FAT*

Verbal Result: Yes No **Add'l Phone #:**
 All Results are emailed. Please provide Email address:

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

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

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

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

CONDITIONS

Action 108730

CONDITIONS

Operator: NOVO OIL & GAS NORTHERN DELAWARE, LLC 1001 West Wilshire Blvd Oklahoma City, OK 73116	OGRID: 372920
	Action Number: 108730
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
rhamlet	We have received your closure report and final C-141 for Incident #NAPP2136132623 NOVO OIL & GAS OVATION PAD - O, thank you. This closure is approved.	9/23/2022