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	NAPP2329341186
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party SIMCOE, LLC	OGRID 329736
Contact Name Sabre Beebe	Contact Telephone (970) 852-5172
Contact email sabre.beebe@ikavenergy.com	Incident # *(assigned by OCD)* nAPP2329341186
Contact mailing address 1199 Main Ave., Suite 101 Durango, CO 81301	

Location of Release Source

Latitude 36.908992 Longitude -107.515870

(NAD 83 in decimal degrees to 5 decimal places)

Site Name NEBU #229J	Site Type Off-Location Flowline
Date Release Discovered 10/16/2023	API# *(if applicable)* 30-045-32785

Unit Letter	Section	Township	Range	County
P	12	31N	7W	San Juan

Surface Owner: ☐ State ■ Federal ☐ Tribal ☐ Private (*Name:* _____)

Nature and Volume of Release

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

☐ Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
■ Produced Water	Volume Released (bbls) 12 bbls	Volume Recovered (bbls) 0 bbls
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	☐ Yes ■ No
☐ Condensate	Volume Released (bbls)	Volume Recovered (bbls)
☐ Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
☐ Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release: Simcoe discovered a release from an off-location flowline at the NEBU #229J during routine inspection operations. Simcoe removed impacted soils via hydro-vac to determine the source of the release then excavated to conduct flowline repairs. Initial soil samples of the base and sidewalls were collected 10/16/2023 and backfilled material was sampled on 11/1/2023 to determine if impacted soil remained on site. Chloride, BTEX, and TPH levels were below the NMOCD standard. The accompanying documentation demonstrates no significant impact to groundwater (demonstrated to be >100' deep) with minimal lateral extents (200 sqft base of excavation).

Release volume was calculated based on 200 sqft of excavation and 2.5 feet of impacts in clay soil.

Form C-141
Page 2

State of New Mexico
Oil Conservation Division

Incident ID	NAPP2329341186
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC? ☐ Yes ■ No	If YES, for what reason(s) does the responsible party consider this a major release?

If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?

Not required.

Initial Response

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

- ■ The source of the release has been stopped.
- ■ The impacted area has been secured to protect human health and the environment.
- ■ Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.
- ■ All free liquids and recoverable materials have been removed and managed appropriately.

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

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

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

Printed Name: Kyle Siesser Title: Consultant

Signature: Kyle D. Siesser Date: 11/20/2023

email: ksiesser@cottonwoodconsulting.com Telephone: (970) 764-7356

OCD Only

Received by: Shelly Wells Date: 11/20/2023

Incident ID	NAPP2329341186
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

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

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

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

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

- ☑ Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- ☑ Field data
- ☑ Data table of soil contaminant concentration data
- ☑ Depth to water determination
- ☑ Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release
- ☑ Boring or excavation logs
- ☑ Photographs including date and GIS information
- ☑ Topographic/Aerial maps
- ☑ Laboratory data including chain of custody

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

Form C-141
Page 4

State of New Mexico
Oil Conservation Division

Incident ID	NAPP2329341186
District RP	
Facility ID	
Application ID	

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

Printed Name: Kyle Siesser Title: Consultant

Signature: Kyle D. Siesser Date: 11/20/2023

email: ksiesser@cottonwoodconsulting.com Telephone: 970-764-7356

OCD Only

Received by: Shelly Wells Date: 11/20/2023

Incident ID	NAPP2329341186
District RP	
Facility ID	
Application ID	

Closure

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

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

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

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

Printed Name: Kyle Siesser Title: Consultant

Signature: Kyle D. Siesser Date: 11/20/2023

email: ksiesser@cottonwoodconsulting.com Telephone: 970-764-7356

OCD Only

Received by: Shelly Wells Date: 11/20/2023

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

Closure Approved by: Nelson Velez Date: 11/20/2023

Printed Name: Nelson Velez Title: Environmental Specialist - Adv

Cottonwood CONSULTING

SITE SUMMARY

Cottonwood CONSULTING

P.O. Box 1653
Durango, Colorado 81302
(970) 764-7356
www.cottonwoodconsulting.com

November 20, 2023

Nelson Velez
New Mexico Oil Conservation Division
1000 Rio Brazos Road
Aztec, NM 87410

RE: Northeast Blanco Unit 229J Site Closure
San Juan County, New Mexico

Dear Mr. Velez,

Cottonwood Consulting LLC (Cottonwood), on behalf of Simcoe LLC (Simcoe), is submitting a closure report for the off-location flowline release at the Northeast Blanco Unit 229J well site (API #30-045-32785).

Simcoe discovered a release from an off-location flowline at the NEBU #229J during routine inspection operations. The cause of the release was corrosion of a gas pipeline. A New Mexico Oil Conservation Division (NMOCD) Form C-141 was submitted to the NMOCD and the project was assigned Incident ID nAPP2329341186.

On October 16, 2023, Simcoe removed impacted soils via hydro-vac to determine the source of the release, then excavated via traditional methods to conduct pipeline repairs. Initial soil samples of the base and sidewalls were collected October 16, 2023 and backfilled material was sampled on November 1, 2023 to determine if impacted soil remained on site. Chloride, BTEX (benzene, toluene, ethylbenzene, and total xylenes), and TPH (total petroleum hydrocarbons) levels were below the NMOCD standard. The accompanying documentation demonstrates no significant impact to groundwater (demonstrated to be greater than 100 feet deep) with minimal lateral extents (200 square foot base of excavation). Approximately 18 cubic yards of soil were excavated.

Cottonwood and Simcoe did not notify the NMOCD two days prior to confirmation sampling per NMAC 19.15.29.12.D.1.a because both parties expected that the samples collected would be initial soil samples; however, chloride, BTEX, and TPH levels in all samples were below the NMOCD standard. Cottonwood and Simcoe received approval for the variance and is submitting this report for closure. The variance approval is attached to this summary.

Should you have any questions regarding this closure report, please do not hesitate to contact me at ksiesser@cottonwoodconsulting.com or 970-764-7356.

Sincerely,

Kyle D. Siesser

Kyle Siesser, P.G.
Cottonwood Consulting, LLC

Attachment 1: Variance Approval

From: Velez, Nelson, EMNRD
To: Emma Millar
Cc: Kyle Siesser
Subject: Re: [EXTERNAL] NEBU 229J Variance Request
Date: Monday, November 20, 2023 7:28:47 AM
Attachments: Outlook-lsqj4ej0.png

Good morning Emma,

Thank you for the correspondence. OCD accepts the oversight acknowledgement and approves its variance toward 19.15.29.12D (1a) NMAC.

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

Regards,

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

From: Emma Millar <emillar@cottonwoodconsulting.com>
Sent: Friday, November 17, 2023 3:19 PM
To: Velez, Nelson, EMNRD <Nelson.Velez@emnrd.nm.gov>
Cc: Kyle Siesser <ksiesser@cottonwoodconsulting.com>
Subject: [EXTERNAL] NEBU 229J Variance Request

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

Nelson,

Cottonwood, on behalf of Simcoe, is respectfully requesting a variance, per NMAC 19.15.29.14, related to a release at an off-location flowline near the Northeast Blanco Unit 229J well site (API #30-045-32785; Incident ID nAPP2329341186).

Simcoe discovered a release from an off-location gas flowline at the NEBU #229J during routine inspection operations. Simcoe removed impacted soils via hydro-vac to determine the source of the

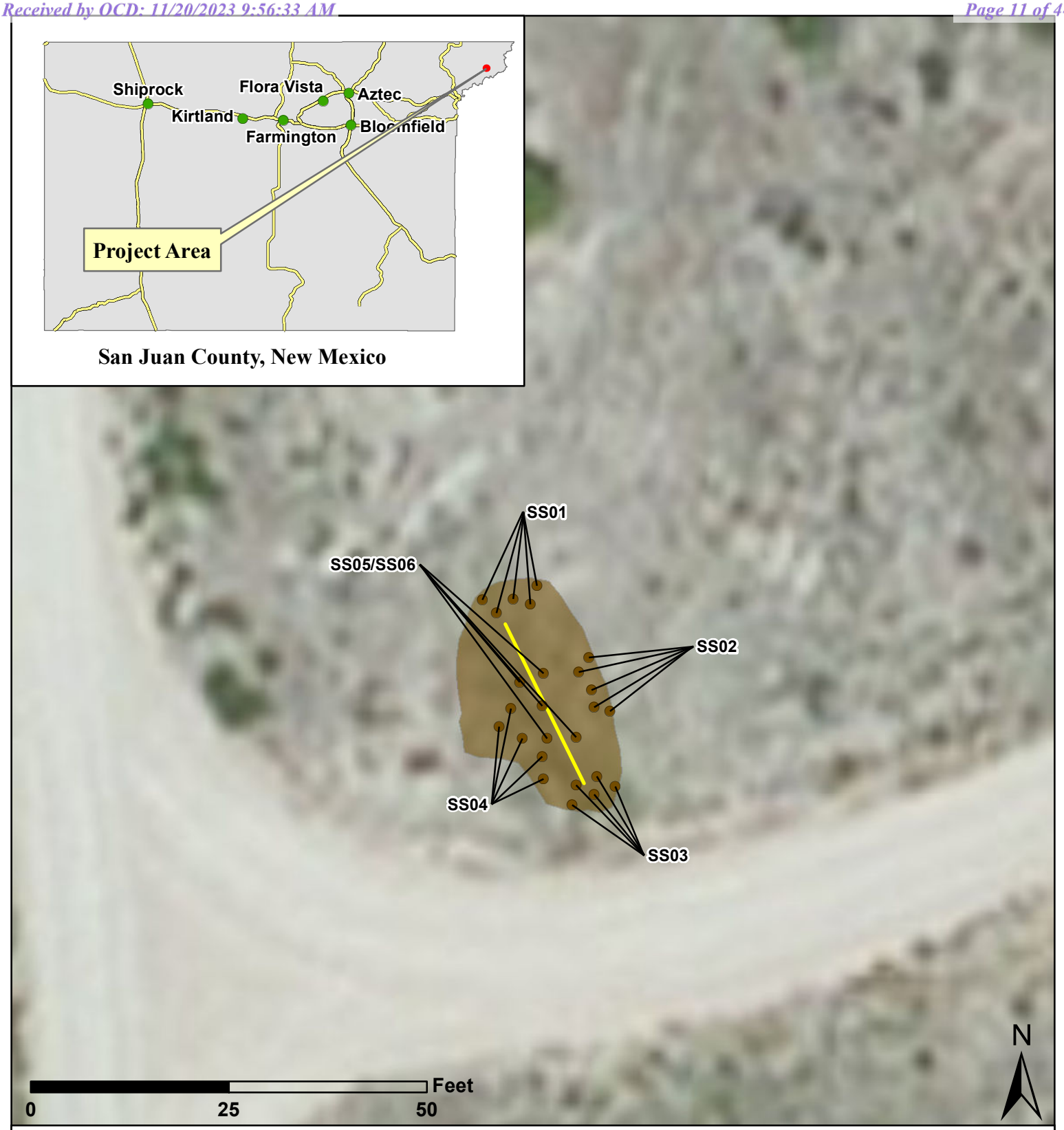
release. Initial soil samples of the base and sidewalls were collected 10/16/2023 and backfilled material was sampled on 11/1/2023 to determine if impacted soil remains on site. Cottonwood and Simcoe did not notify the NMOCD two days prior to confirmation sampling per NMAC 19.15.29.12.D.1.a because both parties expected that the samples collected would be initial soil samples; however, chloride, BTEX, and TPH levels in all samples were below the NMOCD standard. Cottonwood and Simcoe plan to apply for closure of the incident based on those results.

Thank you and please let me know if you have any questions or comments,

Emma Millar
Cottonwood Consulting
PO Box 1653
Durango, CO 81302
(208) 610-6012
www.cottonwoodconsulting.com

SITE MAP

San Juan County, New Mexico



Notes: SS01-SS05 collected 10/16/2023. SS06 collected 11/1/2023. All samples are five-point composite samples.

Legend

- Soil Sample
- Flowline
- Excavation Area (10/16/2023)

Cottonwood CONSULTING

Mapping by: E. Millar, 11/8/2023
Coordinate System:
NAD 1983 UTM Zone 13 N

Location: Sec 12 T31N R7W NMPM

NEBU #229J
Project Map
Simcoe LLC

Cottonwood CONSULTING

SITE PHOTOGRAPHS

Cottonwood CONSULTING

NEBU #229J
Photographic Log
Simcoe LLC

Photo 1: NEBU #229J excavation, 10/16/2023.

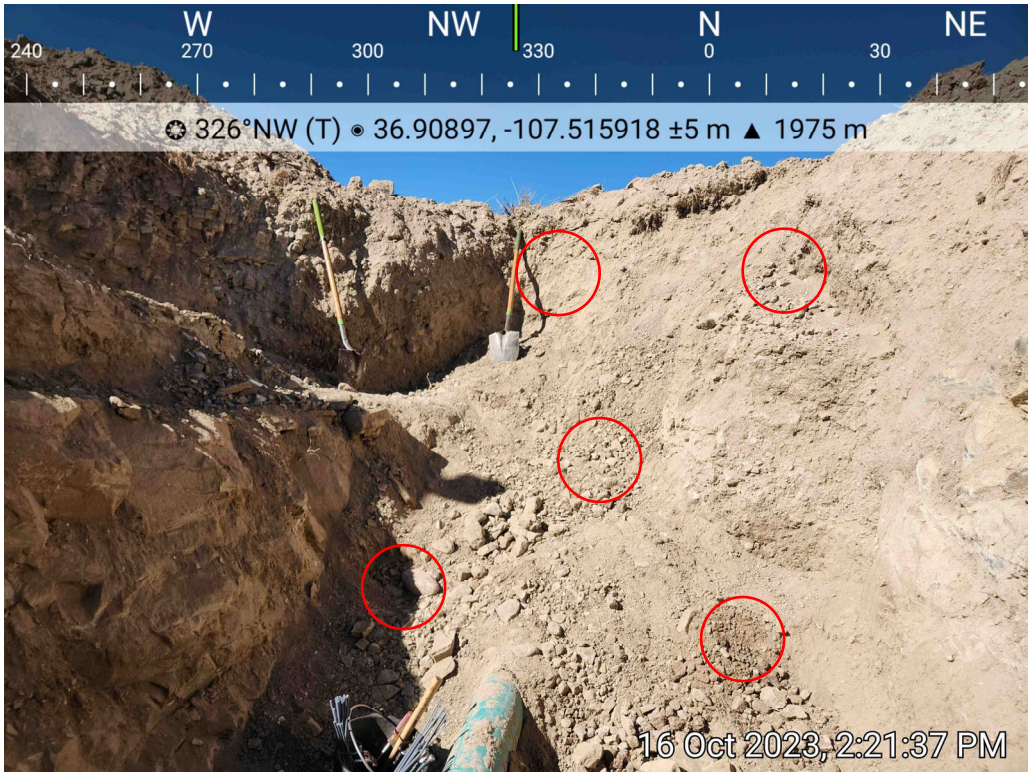


Photo 2: SS01 is a five-point composite sample collected from north sidewall, 10/16/2023.

Cottonwood CONSULTING

NEBU #229J
Photographic Log
Simcoe LLC

Photo 3: SS02 is a five-point composite sample collected from east sidewall, 10/16/2023.

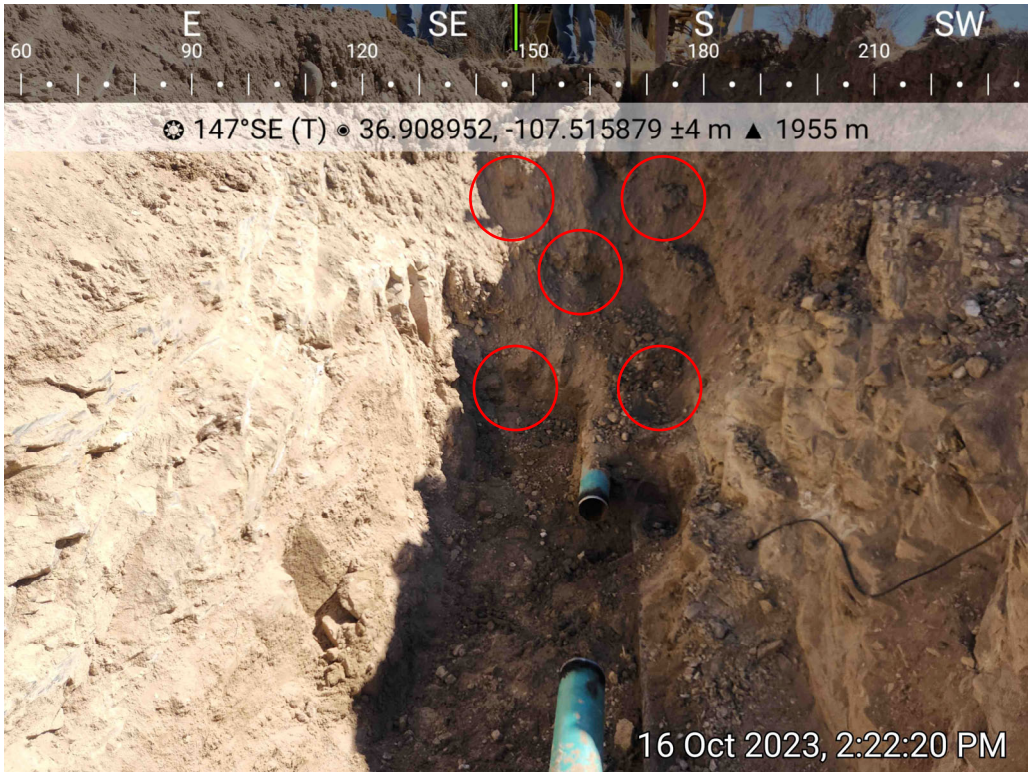


Photo 4: SS03 is a five-point composite sample collected from south sidewall, 10/16/2023.

Cottonwood CONSULTING

NEBU #229J
Photographic Log
Simcoe LLC

Photo 5: SS04 is a five-point composite sample collected from west sidewall, 10/16/2023.

Photo 6: SS05 is a five-point composite sample collected from base of excavation, 10/16/2023.

Cottonwood CONSULTING

NEBU #229J
Photographic Log
Simcoe LLC

Photo 7: SS06 is a five-point composite sample collected from soil after backfilling activities, 11/1/2023.

Cottonwood CONSULTING

SOIL SAMPLING RESULTS

Cottonwood CONSULTING

Table 1
Soil Sampling Results
NEBU #229J
Simcoe LLC

Parameter	SS01 10/16/2023 North Sidewall	SS02 10/16/2023 East Sidewall	SS03 10/16/2023 South Sidewall	SS04 10/16/2023 West Sidewall	SS05 10/16/2023 Base of Excavation	SS06 11/1/2023 Backfilled Excavation	Units
Depth	0-8.5	0-8.5	0-8.5	0-8.5	8.5	0-2	feet bgs
PID	2.6	2.6	0.4	1.4	52.0	2.5	ppm
Chloride	11.7	73.5	44.9	<10.7	148	<20.0	mg/kg
Benzene	<0.050	<0.050	<0.050	<0.050	<0.050	<0.0250	mg/kg
Toluene	<0.050	<0.050	<0.050	<0.050	<0.050	<0.0250	mg/kg
Ethylbenzene	<0.050	<0.050	<0.050	<0.050	<0.050	<0.0250	mg/kg
Total Xylenes	<0.150	<0.150	<0.150	<0.150	<0.150	<0.0250	mg/kg
Total BTEX	<0.300	<0.300	<0.300	<0.300	<0.300	<0.1000	mg/kg
TPH (GRO)	<10.0	<10.0	<10.0	<10.0	<10.0	<20.0	mg/kg
TPH (DRO)	<10.0	<10.0	<10.0	<10.0	<10.0	<25.0	mg/kg
TPH (EXT DRO)	<10.0	<10.0	<10.0	<10.0	<10.0	<50.0	mg/kg

Notes:
PID - Photoionization Detector
BTEX - Benzene, Toluene, Ethylbenzene, & Total Xylenes
TPH - Total Petroleum Hydrocarbons
GRO - Gasoline Range Organics
DRO - Diesel Range Organics
EXT - Extended
ppm - parts per million
bgs - below ground surface
mg/kg - milligrams per kilogram

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

25 October 2023

Kyle Siesser
Cottonwood Consulting
PO Box 1653
Durango, CO 81302

RE: NEBU 229J

Enclosed are the results of analyses for samples received by the laboratory on 10/16/23 16:15. The data to follow was performed, in whole or in part, by Green Analytical Laboratories. Any data that was performed by a subcontract laboratory is included within the GAL report, or with an additional report attached.

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

Sincerely,

Veronica Wells
Project Manager

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

Green Analytical Laboratories is NELAP accredited through the Texas Commission on Environmental Quality. Accreditation applies to drinking water and non-potable water matrices for trace metals and a variety of inorganic parameters. Green Analytical Laboratories is also accredited through the Colorado Department of Public Health and Environment and EPA region 8 for trace metals, Cyanide, Fluoride, Nitrate, and Nitrite in drinking water. TNI Certificate Number: T104704514-23-18

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

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

Cottonwood Consulting	Project: BTEX/TPH, Cl	
PO Box 1653	Project Name / Number: NEBU 229J	**Reported:**
Durango CO, 81302	Project Manager: Kyle Siesser	10/25/23 14:42

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received	Notes
SS01	2310169-01	Solid	10/16/23 14:15	10/16/23 16:15	
SS02	2310169-02	Solid	10/16/23 14:20	10/16/23 16:15	
SS03	2310169-03	Solid	10/16/23 14:25	10/16/23 16:15	
SS04	2310169-04	Solid	10/16/23 14:30	10/16/23 16:15	
SS05	2310169-05	Solid	10/16/23 14:35	10/16/23 16:15	

Green Analytical Laboratories

Veronica J Wells

Veronica Wells, Project Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.

GREEN Analytical Laboratories

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

www.GreenAnalytical.com

Cottonwood Consulting	Project: BTEX/TPH, Cl	
PO Box 1653	Project Name / Number: NEBU 229J	**Reported:**
Durango CO, 81302	Project Manager: Kyle Siesser	10/25/23 14:42

SS01

2310169-01 (Soil)

Sampled Date: 10/16/23 14:15

Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst
General Chemistry									
% Dry Solids	**92.0**			%	1	10/17/23 09:38	EPA160.3/1684		CAI
Soluble (DI Water Extraction)									
Chloride	**11.7**	10.9	0.604	mg/kg dry	10	10/19/23 20:11	EPA300.0	M5	AWG

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

Volatile Organic Compounds by EPA Method 8021									
Benzene*	<0.050	0.050	0.005	mg/kg	50	10/19/23 20:39	8021B		MS
Ethylbenzene*	<0.050	0.050	0.011	mg/kg	50	10/19/23 20:39	8021B		MS
Toluene*	<0.050	0.050	0.004	mg/kg	50	10/19/23 20:39	8021B		MS
Total BTEX	<0.300	0.300	0.030	mg/kg	50	10/19/23 20:39	8021B		MS
Total Xylenes*	<0.150	0.150	0.025	mg/kg	50	10/19/23 20:39	8021B		MS
Surrogate: 4-Bromofluorobenzene (PID)			*123 %*	*71.5-134*		*10/19/23 20:39*	*8021B*		MS
Petroleum Hydrocarbons by GC FID									
DRO >C10-C28*	<10.0	10.0	4.26	mg/kg	1	10/18/23 23:58	8015B		MS
EXT DRO >C28-C36	<10.0	10.0	4.26	mg/kg	1	10/18/23 23:58	8015B		MS
GRO C6-C10*	<10.0	10.0	6.25	mg/kg	1	10/18/23 23:58	8015B		MS
Surrogate: 1-Chlorooctadecane			*75.8 %*	*49.1-148*		*10/18/23 23:58*	*8015B*		MS
Surrogate: 1-Chlorooctane			*73.3 %*	*48.2-134*		*10/18/23 23:58*	*8015B*		MS

Green Analytical Laboratories

Veronica J Wells

Veronica Wells, Project Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. In no event shall Green Analytical Laboratories be liable for incidental or consequential damages. GALs liability, and clients exclusive remedy for any claim arising, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever, shall be deemed waived unless made in writing and received within thirty days after completion of the applicable service.

GREEN Analytical Laboratories
jeremy.allen@greenanalytical.com p: 970.247.4220 f: 970.247.4227 75 Suttle Street Durango, CO 81303
www.GreenAnalytical.com

Cottonwood Consulting	Project: BTEX/TPH, Cl	
PO Box 1653	Project Name / Number: NEBU 229J	**Reported:**
Durango CO, 81302	Project Manager: Kyle Siesser	10/25/23 14:42

SS02

2310169-02 (Soil)
Sampled Date: 10/16/23 14:20

Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst
General Chemistry									
% Dry Solids	**93.8**			%	1	10/17/23 09:38	EPA160.3/1684		CAI
Soluble (DI Water Extraction)									
Chloride	**73.5**	10.7	0.592	mg/kg dry	10	10/19/23 21:10	EPA300.0		AWG

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

Volatile Organic Compounds by EPA Method 8021									
Benzene*	<0.050	0.050	0.005	mg/kg	50	10/19/23 20:55	8021B		MS
Ethylbenzene*	<0.050	0.050	0.011	mg/kg	50	10/19/23 20:55	8021B		MS
Toluene*	<0.050	0.050	0.004	mg/kg	50	10/19/23 20:55	8021B		MS
Total BTEX	<0.300	0.300	0.030	mg/kg	50	10/19/23 20:55	8021B		MS
Total Xylenes*	<0.150	0.150	0.025	mg/kg	50	10/19/23 20:55	8021B		MS
Surrogate: 4-Bromofluorobenzene (PID)			*129 %*	*71.5-134*		*10/19/23 20:55*	*8021B*		MS
Petroleum Hydrocarbons by GC FID									
DRO >C10-C28*	<10.0	10.0	4.26	mg/kg	1	10/19/23 00:24	8015B		MS
EXT DRO >C28-C36	<10.0	10.0	4.26	mg/kg	1	10/19/23 00:24	8015B		MS
GRO C6-C10*	<10.0	10.0	6.25	mg/kg	1	10/19/23 00:24	8015B		MS
Surrogate: 1-Chlorooctadecane			*70.0 %*	*49.1-148*		*10/19/23 00:24*	*8015B*		MS
Surrogate: 1-Chlorooctane			*71.0 %*	*48.2-134*		*10/19/23 00:24*	*8015B*		MS

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Veronica J Wells

Veronica Wells, Project Manager

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Cottonwood Consulting	Project: BTEX/TPH, Cl	
PO Box 1653	Project Name / Number: NEBU 229J	**Reported:**
Durango CO, 81302	Project Manager: Kyle Siesser	10/25/23 14:42

SS03

2310169-03 (Soil)
Sampled Date: 10/16/23 14:25

Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst
General Chemistry									
% Dry Solids	**91.3**			%	1	10/17/23 09:38	EPA160.3/1684		CAI
Soluble (DI Water Extraction)									
Chloride	**44.9**	11.0	0.608	mg/kg dry	10	10/19/23 21:30	EPA300.0		AWG

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

Volatile Organic Compounds by EPA Method 8021									
Benzene*	<0.050	0.050	0.005	mg/kg	50	10/19/23 21:11	8021B		MS
Ethylbenzene*	<0.050	0.050	0.011	mg/kg	50	10/19/23 21:11	8021B		MS
Toluene*	<0.050	0.050	0.004	mg/kg	50	10/19/23 21:11	8021B		MS
Total BTEX	<0.300	0.300	0.030	mg/kg	50	10/19/23 21:11	8021B		MS
Total Xylenes*	<0.150	0.150	0.025	mg/kg	50	10/19/23 21:11	8021B		MS
Surrogate: 4-Bromofluorobenzene (PID)			*124 %*	*71.5-134*		*10/19/23 21:11*	*8021B*		MS
Petroleum Hydrocarbons by GC FID									
DRO >C10-C28*	<10.0	10.0	4.26	mg/kg	1	10/18/23 17:34	8015B		MS
EXT DRO >C28-C36	<10.0	10.0	4.26	mg/kg	1	10/18/23 17:34	8015B		MS
GRO C6-C10*	<10.0	10.0	6.25	mg/kg	1	10/18/23 17:34	8015B		MS
Surrogate: 1-Chlorooctadecane			*75.1 %*	*49.1-148*		*10/18/23 17:34*	*8015B*		MS
Surrogate: 1-Chlorooctane			*78.4 %*	*48.2-134*		*10/18/23 17:34*	*8015B*		MS

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Veronica Wells, Project Manager

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Cottonwood Consulting	Project: BTEX/TPH, Cl	
PO Box 1653	Project Name / Number: NEBU 229J	**Reported:**
Durango CO, 81302	Project Manager: Kyle Siesser	10/25/23 14:42

SS04

2310169-04 (Soil)
Sampled Date: 10/16/23 14:30

Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst
General Chemistry									
% Dry Solids	**93.7**			%	1	10/17/23 09:38	EPA160.3/1684		CAI
Soluble (DI Water Extraction)									
Chloride	<10.7	10.7	0.593	mg/kg dry	10	10/19/23 21:50	EPA300.0		AWG

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

Volatile Organic Compounds by EPA Method 8021									
Benzene*	<0.050	0.050	0.005	mg/kg	50	10/24/23 20:44	8021B		JH/
Ethylbenzene*	<0.050	0.050	0.011	mg/kg	50	10/24/23 20:44	8021B		JH/
Toluene*	<0.050	0.050	0.004	mg/kg	50	10/24/23 20:44	8021B		JH/
Total BTEX	<0.300	0.300	0.030	mg/kg	50	10/24/23 20:44	8021B		JH/
Total Xylenes*	<0.150	0.150	0.025	mg/kg	50	10/24/23 20:44	8021B		JH/
Surrogate: 4-Bromofluorobenzene (PID)			*106 %*	*71.5-134*		*10/24/23 20:44*	*8021B*		JH/
Petroleum Hydrocarbons by GC FID									
DRO >C10-C28*	<10.0	10.0	4.26	mg/kg	1	10/18/23 17:56	8015B		MS
EXT DRO >C28-C36	<10.0	10.0	4.26	mg/kg	1	10/18/23 17:56	8015B		MS
GRO C6-C10*	<10.0	10.0	6.25	mg/kg	1	10/18/23 17:56	8015B		MS
Surrogate: 1-Chlorooctadecane			*63.1 %*	*49.1-148*		*10/18/23 17:56*	*8015B*		MS
Surrogate: 1-Chlorooctane			*66.6 %*	*48.2-134*		*10/18/23 17:56*	*8015B*		MS

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Veronica Wells, Project Manager

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Cottonwood Consulting	Project: BTEX/TPH, Cl	
PO Box 1653	Project Name / Number: NEBU 229J	**Reported:**
Durango CO, 81302	Project Manager: Kyle Siesser	10/25/23 14:42

SS05

2310169-05 (Soil)
Sampled Date: 10/16/23 14:35

Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst
General Chemistry									
% Dry Solids	**88.7**			%	1	10/17/23 09:38	EPA160.3/1684		CAI
Soluble (DI Water Extraction)									
Chloride	**148**	11.3	0.626	mg/kg dry	10	10/19/23 22:10	EPA300.0		AWG

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

Volatile Organic Compounds by EPA Method 8021									
Benzene*	<0.050	0.050	0.005	mg/kg	50	10/24/23 21:00	8021B		JH/
Ethylbenzene*	<0.050	0.050	0.011	mg/kg	50	10/24/23 21:00	8021B		JH/
Toluene*	<0.050	0.050	0.004	mg/kg	50	10/24/23 21:00	8021B		JH/
Total BTEX	<0.300	0.300	0.030	mg/kg	50	10/24/23 21:00	8021B		JH/
Total Xylenes*	<0.150	0.150	0.025	mg/kg	50	10/24/23 21:00	8021B		JH/
Surrogate: 4-Bromofluorobenzene (PID)			*105 %*	*71.5-134*		*10/24/23 21:00*	*8021B*		JH/
Petroleum Hydrocarbons by GC FID									
DRO >C10-C28*	<10.0	10.0	4.26	mg/kg	1	10/18/23 18:19	8015B		MS
EXT DRO >C28-C36	<10.0	10.0	4.26	mg/kg	1	10/18/23 18:19	8015B		MS
GRO C6-C10*	<10.0	10.0	6.25	mg/kg	1	10/18/23 18:19	8015B		MS
Surrogate: 1-Chlorooctadecane			*73.5 %*	*49.1-148*		*10/18/23 18:19*	*8015B*		MS
Surrogate: 1-Chlorooctane			*77.1 %*	*48.2-134*		*10/18/23 18:19*	*8015B*		MS

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Veronica Wells, Project Manager

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Cottonwood Consulting	Project: BTEX/TPH, Cl	
PO Box 1653	Project Name / Number: NEBU 229J	**Reported:**
Durango CO, 81302	Project Manager: Kyle Siesser	10/25/23 14:42

Soluble (DI Water Extraction) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B233104 - IC- Ion Chromatograph										
Blank (B233104-BLK1)				Prepared: 10/18/23 Analyzed: 10/19/23						
Chloride	ND	10.0	mg/kg wet							
LCS (B233104-BS1)				Prepared: 10/18/23 Analyzed: 10/19/23						
Chloride	248	10.0	mg/kg wet	250		99.2	85-115			
LCS Dup (B233104-BSD1)				Prepared: 10/18/23 Analyzed: 10/19/23						
Chloride	248	10.0	mg/kg wet	250		99.2	85-115	0.0726	20	

Volatile Organic Compounds by EPA Method 8021 - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 3101907 - Volatiles										
Blank (3101907-BLK1)				Prepared & Analyzed: 10/19/23						
Surrogate: 4-Bromofluorobenzene (PID)	*0.0619*		mg/kg	*0.0500*		*124*	*71.5-134*			
Benzene	ND	0.050	mg/kg							
Ethylbenzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							
Total BTEX	ND	0.300	mg/kg							
Total Xylenes	ND	0.150	mg/kg							
LCS (3101907-BS1)				Prepared & Analyzed: 10/19/23						
Surrogate: 4-Bromofluorobenzene (PID)	*0.0503*		mg/kg	*0.0500*		*101*	*71.5-134*			
Benzene	2.16	0.050	mg/kg	2.00		108	82.8-130			
Ethylbenzene	2.25	0.050	mg/kg	2.00		112	85.9-128			
m,p-Xylene	4.29	0.100	mg/kg	4.00		107	89-129			
o-Xylene	2.12	0.050	mg/kg	2.00		106	86.1-125			
Toluene	2.21	0.050	mg/kg	2.00		111	86-128			
Total Xylenes	6.41	0.150	mg/kg	6.00		107	88.2-128			
LCS Dup (3101907-BSD1)				Prepared & Analyzed: 10/19/23						
Surrogate: 4-Bromofluorobenzene (PID)	*0.0487*		mg/kg	*0.0500*		*97.3*	*71.5-134*			
Benzene	2.21	0.050	mg/kg	2.00		110	82.8-130	1.97	15.8	
Ethylbenzene	2.25	0.050	mg/kg	2.00		113	85.9-128	0.227	16	
m,p-Xylene	4.38	0.100	mg/kg	4.00		109	89-129	2.13	16.2	

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Cottonwood Consulting	Project: BTEX/TPH, Cl	
PO Box 1653	Project Name / Number: NEBU 229J	**Reported:**
Durango CO, 81302	Project Manager: Kyle Siesser	10/25/23 14:42

Volatile Organic Compounds by EPA Method 8021 - Quality Control (Continued)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 3101907 - Volatiles (Continued)										
LCS Dup (3101907-BSD1) (Continued)			Prepared & Analyzed: 10/19/23							
o-Xylene	2.11	0.050	mg/kg	2.00		106	86.1-125	0.400	16.7	
Toluene	2.28	0.050	mg/kg	2.00		114	86-128	3.10	15.9	
Total Xylenes	6.49	0.150	mg/kg	6.00		108	88.2-128	1.30	16.3	

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Cottonwood Consulting	Project: BTEX/TPH, Cl	
PO Box 1653	Project Name / Number: NEBU 229J	**Reported:**
Durango CO, 81302	Project Manager: Kyle Siesser	10/25/23 14:42

Petroleum Hydrocarbons by GC FID - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 3101822 - General Prep - Organics										
Blank (3101822-BLK1)			Prepared & Analyzed: 10/18/23							
Surrogate: 1-Chlorooctadecane	*41.1*		mg/kg	*50.0*		*82.1*	*49.1-148*			
Surrogate: 1-Chlorooctane	*43.1*		mg/kg	*50.0*		*86.2*	*48.2-134*			
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
GRO C6-C10	ND	10.0	mg/kg							
LCS (3101822-BS1)			Prepared & Analyzed: 10/18/23							
Surrogate: 1-Chlorooctadecane	*39.6*		mg/kg	*50.0*		*79.1*	*49.1-148*			
Surrogate: 1-Chlorooctane	*41.7*		mg/kg	*50.0*		*83.4*	*48.2-134*			
DRO >C10-C28	160	10.0	mg/kg	200		80.0	66.5-118			
GRO C6-C10	172	10.0	mg/kg	200		86.2	66.4-123			
Total TPH C6-C28	332	10.0	mg/kg	400		83.1	77.6-123			
LCS Dup (3101822-BSD1)			Prepared & Analyzed: 10/18/23							
Surrogate: 1-Chlorooctadecane	*43.4*		mg/kg	*50.0*		*86.8*	*49.1-148*			
Surrogate: 1-Chlorooctane	*45.5*		mg/kg	*50.0*		*91.0*	*48.2-134*			
DRO >C10-C28	167	10.0	mg/kg	200		83.4	66.5-118	4.07	21	
GRO C6-C10	174	10.0	mg/kg	200		87.2	66.4-123	1.14	17.7	
Total TPH C6-C28	341	10.0	mg/kg	400		85.3	77.6-123	2.56	18.5	
Batch 3101823 - General Prep - Organics										
Blank (3101823-BLK1)			Prepared & Analyzed: 10/18/23							
Surrogate: 1-Chlorooctadecane	*37.1*		mg/kg	*50.0*		*74.2*	*49.1-148*			
Surrogate: 1-Chlorooctane	*37.8*		mg/kg	*50.0*		*75.6*	*48.2-134*			
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
GRO C6-C10	ND	10.0	mg/kg							
LCS (3101823-BS1)			Prepared & Analyzed: 10/18/23							
Surrogate: 1-Chlorooctadecane	*33.5*		mg/kg	*50.0*		*67.0*	*49.1-148*			
Surrogate: 1-Chlorooctane	*35.8*		mg/kg	*50.0*		*71.6*	*48.2-134*			
DRO >C10-C28	159	10.0	mg/kg	200		79.3	66.5-118			
GRO C6-C10	169	10.0	mg/kg	200		84.3	66.4-123			
Total TPH C6-C28	327	10.0	mg/kg	400		81.8	77.6-123			
LCS Dup (3101823-BSD1)			Prepared & Analyzed: 10/18/23							
Surrogate: 1-Chlorooctadecane	*38.4*		mg/kg	*50.0*		*76.9*	*49.1-148*			

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Veronica J Wells

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Cottonwood Consulting	Project: BTEX/TPH, Cl	
PO Box 1653	Project Name / Number: NEBU 229J	**Reported:**
Durango CO, 81302	Project Manager: Kyle Siesser	10/25/23 14:42

Petroleum Hydrocarbons by GC FID - Quality Control (Continued)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 3101823 - General Prep - Organics (Continued)										
LCS Dup (3101823-BSD1) (Continued)			Prepared & Analyzed: 10/18/23							
Surrogate: 1-Chlorooctane	*39.0*		mg/kg	*50.0*		*78.0*	*48.2-134*			
DRO >C10-C28	170	10.0	mg/kg	200		85.1	66.5-118	7.10	21	
GRO C6-C10	169	10.0	mg/kg	200		84.6	66.4-123	0.322	17.7	
Total TPH C6-C28	339	10.0	mg/kg	400		84.8	77.6-123	3.67	18.5	

Notes and Definitions

M5	Sample was chosen for matrix spike. Spike recovery did not meet laboratory acceptance criteria, possible matrix interference in sample.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
	*Results reported on as received basis unless designated as dry.
RPD	Relative Percent Difference
LCS	Laboratory Control Sample (Blank Spike)
RL	Report Limit
MDL	Method Detection Limit

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Veronica J Wells

Veronica Wells, Project Manager

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Page 30 of 44

Page 12 of 13 2310169 GAL FINAL 10 25 23 1442 10/25/23 14:42:19

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

GAL Analytical Laboratories
(970) 247-4220
Fax: (970) 247-4227
service@greenanalytical.com or dzufelt@greenanalytical.com
75 Suttle St Durango, CO 81303

Company Name: Cottonwood Consulting LLC	Bill to (if different):
Project Manager: Kyle Siesser	P.O. #:
Address: PO Box 1653	Company:
City: Durango **State:** CO **Zip:** 81302	Attn:
Phone #: 970-764-7356 **Email:** ksiesser@cottonwoodconsulting.com	Address:
Additional Report To:	City:
Project Name: NEBU 229J	State: Zip:
Project Number:	Phone #:
Sampler Name (Print): Emma Miller/ Kelsey O'Brien	Fax or Email:

FOR LAB USE ONLY Lab I.D.	Sample Name or Location	Collected Date	Collected Time	Matrix (check one) GROUNDWATER	SURFACEWATER	WASTEWATER	PRODUCEDWATER	SOIL	OTHER :	# of containers No preservation (general)	HNO_3	HCl	H_2SO_4	Other:	Other:	ANALYSIS REQUEST BTEX	TPH	chloride
2310-169																		
01	SS01	10/16/23	1415					X		3						X	X	X
02	SS02		1420					X		3						X	X	X
03	SS03		1425					X		3						X	X	X
04	SS04		1430					X		3						X	X	X
05	SS05		1435					X		3						X	X	X

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Relinquished By:	**Date:** 10/16/23 **Time:** 1615	Received By:	ADDITIONAL REMARKS: Report to State? (Circle) Yes (No)
Relinquished By:	Date: Time:	Received By:	
Relinquished By:	Date: Time:	Received By:	

Delivered By: (Circle One) Sampler - UPS - FedEx - Kangaroo - Other: laser #2 on ice

Temperature at reciept: 10.2°C

CHECKED BY: MRN

† GAL cannot always accept verbal changes. Please fax or email written change requests.

* Chain of Custody must be signed in "Reliquished By:" as an acceptance of services and all applicable charges.

Received by OCD: 11/20/2023 9:56:33 AM

Released to Imaging: 11/20/2023 11:54:35 AM

GAL Analytical Laboratories

SAMPLE CONDITION RECEIPT FORM

Client Name: Cottonwood Consulting **Work Order #** 2310-169

Courier: ☐Fed Ex ☐UPS ☐USPS ☒Client ☐Kangaroo

Custody Seals on Box/Cooler Present: ☐ Yes ☒No Seals Intact: ☐ Yes ☒ No

Thermometer Used: 2 Samples on ice, cooling process has begun: ☒ Yes ☐ No

Type of Ice: ☒ Wet ☐ Blue ☐ None

Cooler Temp: Observed Temp: 10.2 °C Correction Factor: 0 °C Final Temp: 10.2 °C

* *Temp should be above freezing to 6°C*

Date/Initials of person examining contents: 10/16/23

Labeled by Initials: (If different than above)

Chain of Custody Present:	☒Yes ☐No	1.
Chain of Custody Filled Out:	☒Yes ☐No	2.
Chain of Custody Relinquished:	☒Yes ☐No	3.
Sampler Name and Signature on COC:	☒Yes ☐No	4.
Samples arrived within hold time:	☒Yes ☐No	5.
Short Hold Time Analysis (<72hr):	☐Yes ☒No	6.
Rush Turn Around Time Requested:	☐Yes ☒No	7.
Sufficient Volume:	☒Yes ☐No	8.
Correct Containers Used:	☒Yes ☐No	9. ALIQUAT TAKEN
Containers Intact:	☒Yes ☐No	10.
Dissolved Testing Needed:	☐Yes ☒No	11.
Field Filtered: ☐Yes ☐No		
Sample Labels match COC: -Includes Date/Time/ID	☒Yes ☐No	12.
Matrix:	WT SL OT	
Trip Blank Present:	☐Yes ☐No ☒N/A	13.
Trip Blank Custody Seals Present:	☐Yes ☐No ☒N/A	

Client Notification/Resolution:

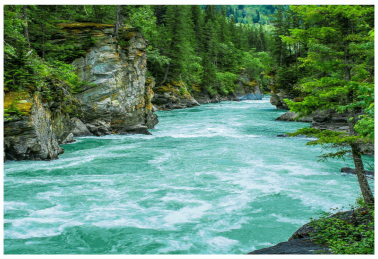
Person Contacted: _____ Date/Time: _____

Comments/Resolution: _____

FORM-039, Rev 1 **Page 1 of 1**

Report to:

Kyle Siesser



5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Cottonwood Consulting

Project Name: NEBU 229 J

Work Order: E311015

Job Number: 20035-c-0001

Received: 11/1/2023

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
11/8/23

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.
Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.

Date Reported: 11/8/23

Kyle Siesser
PO Box 1653
Durango, CO 81302

Project Name: NEBU 229 J
Workorder: E311015
Date Received: 11/1/2023 3:37:00PM

Kyle Siesser,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 11/1/2023 3:37:00PM, under the Project Name: NEBU 229 J.

The analytical test results summarized in this report with the Project Name: NEBU 229 J apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman
Laboratory Director
Office: 505-632-1881
Cell: 775-287-1762
whinchman@envirotech-inc.com

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
rainaschwanz@envirotech-inc.com

Alexa Michaels
Sample Custody Officer
Office: 505-632-1881
labadmin@envirotech-inc.com

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ljarboe@envirotech-inc.com

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Cell: 505-947-8222
mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Sample Summary

Cottonwood Consulting	Project Name:	NEBU 229 J	**Reported:**
PO Box 1653	Project Number:	20035-c-0001	
Durango CO, 81302	Project Manager:	Kyle Siesser	11/08/23 13:03

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SS06	E311015-01A	Soil	11/01/23	11/01/23	Glass Jar, 4 oz.
	E311015-01B	Soil	11/01/23	11/01/23	Glass Jar, 4 oz.

Sample Data

Cottonwood Consulting	Project Name:	NEBU 229 J	
PO Box 1653	Project Number:	20035-c-0001	**Reported:**
Durango CO, 81302	Project Manager:	Kyle Siesser	11/8/2023 1:03:25PM

SS06

E311015-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2344067
Benzene	ND	0.0250	1	11/02/23	11/03/23	
Ethylbenzene	ND	0.0250	1	11/02/23	11/03/23	
Toluene	ND	0.0250	1	11/02/23	11/03/23	
o-Xylene	ND	0.0250	1	11/02/23	11/03/23	
p,m-Xylene	ND	0.0500	1	11/02/23	11/03/23	
Total Xylenes	ND	0.0250	1	11/02/23	11/03/23	
Surrogate: 4-Bromochlorobenzene-PID		*96.0 %*	*70-130*	*11/02/23*	*11/03/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2344067
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/02/23	11/03/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.9 %*	*70-130*	*11/02/23*	*11/03/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2344103
Diesel Range Organics (C10-C28)	ND	25.0	1	11/03/23	11/04/23	
Oil Range Organics (C28-C36)	ND	50.0	1	11/03/23	11/04/23	
Surrogate: n-Nonane		*94.5 %*	*50-200*	*11/03/23*	*11/04/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2345010
Chloride	ND	20.0	1	11/06/23	11/07/23	

QC Summary Data

Cottonwood Consulting	Project Name:	NEBU 229 J	**Reported:**
PO Box 1653	Project Number:	20035-c-0001	
Durango CO, 81302	Project Manager:	Kyle Siesser	11/8/2023 1:03:25PM

Volatile Organics by EPA 8021B

Analyst: RKS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2344067-BLK1)									Prepared: 11/02/23 Analyzed: 11/02/23
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*7.89*		*8.00*		*98.6*	*70-130*			
LCS (2344067-BS1)									Prepared: 11/02/23 Analyzed: 11/02/23
Benzene	5.23	0.0250	5.00		105	70-130			
Ethylbenzene	5.16	0.0250	5.00		103	70-130			
Toluene	5.20	0.0250	5.00		104	70-130			
o-Xylene	5.20	0.0250	5.00		104	70-130			
p,m-Xylene	10.5	0.0500	10.0		105	70-130			
Total Xylenes	15.7	0.0250	15.0		105	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.96*		*8.00*		*99.5*	*70-130*			
Matrix Spike (2344067-MS1)				**Source: E311012-07**					Prepared: 11/02/23 Analyzed: 11/02/23
Benzene	5.02	0.0250	5.00	ND	100	54-133			
Ethylbenzene	4.93	0.0250	5.00	ND	98.7	61-133			
Toluene	4.98	0.0250	5.00	ND	99.6	61-130			
o-Xylene	4.97	0.0250	5.00	ND	99.5	63-131			
p,m-Xylene	10.0	0.0500	10.0	ND	100	63-131			
Total Xylenes	15.0	0.0250	15.0	ND	100	63-131			
Surrogate: 4-Bromochlorobenzene-PID	*7.90*		*8.00*		*98.7*	*70-130*			
Matrix Spike Dup (2344067-MSD1)				**Source: E311012-07**					Prepared: 11/02/23 Analyzed: 11/02/23
Benzene	5.27	0.0250	5.00	ND	105	54-133	4.81	20	
Ethylbenzene	5.19	0.0250	5.00	ND	104	61-133	5.00	20	
Toluene	5.23	0.0250	5.00	ND	105	61-130	4.81	20	
o-Xylene	5.20	0.0250	5.00	ND	104	63-131	4.48	20	
p,m-Xylene	10.6	0.0500	10.0	ND	106	63-131	5.01	20	
Total Xylenes	15.8	0.0250	15.0	ND	105	63-131	4.83	20	
Surrogate: 4-Bromochlorobenzene-PID	*8.02*		*8.00*		*100*	*70-130*			

QC Summary Data

Cottonwood Consulting	Project Name:	NEBU 229 J	**Reported:**
PO Box 1653	Project Number:	20035-c-0001	
Durango CO, 81302	Project Manager:	Kyle Siesser	11/8/2023 1:03:25PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2344067-BLK1)									Prepared: 11/02/23 Analyzed: 11/02/23
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.19*		*8.00*		*89.9*	*70-130*			
LCS (2344067-BS2)									Prepared: 11/02/23 Analyzed: 11/02/23
Gasoline Range Organics (C6-C10)	51.7	20.0	50.0		103	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.27*		*8.00*		*90.8*	*70-130*			
Matrix Spike (2344067-MS2)				**Source: E311012-07**					Prepared: 11/02/23 Analyzed: 11/02/23
Gasoline Range Organics (C6-C10)	48.3	20.0	50.0	ND	96.5	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.25*		*8.00*		*90.6*	*70-130*			
Matrix Spike Dup (2344067-MSD2)				**Source: E311012-07**					Prepared: 11/02/23 Analyzed: 11/02/23
Gasoline Range Organics (C6-C10)	50.1	20.0	50.0	ND	100	70-130	3.79	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.34*		*8.00*		*91.7*	*70-130*			

QC Summary Data

Cottonwood Consulting	Project Name:	NEBU 229 J	**Reported:**
PO Box 1653	Project Number:	20035-c-0001	
Durango CO, 81302	Project Manager:	Kyle Siesser	11/8/2023 1:03:25PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2344103-BLK1)									Prepared: 11/03/23 Analyzed: 11/04/23
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*49.2*		*50.0*		*98.3*	*50-200*			
LCS (2344103-BS1)									Prepared: 11/03/23 Analyzed: 11/04/23
Diesel Range Organics (C10-C28)	241	25.0	250		96.4	38-132			
Surrogate: n-Nonane	*48.1*		*50.0*		*96.2*	*50-200*			
Matrix Spike (2344103-MS1)				**Source: E311018-07**					Prepared: 11/03/23 Analyzed: 11/04/23
Diesel Range Organics (C10-C28)	275	25.0	250	ND	110	38-132			
Surrogate: n-Nonane	*54.6*		*50.0*		*109*	*50-200*			
Matrix Spike Dup (2344103-MSD1)				**Source: E311018-07**					Prepared: 11/03/23 Analyzed: 11/04/23
Diesel Range Organics (C10-C28)	277	25.0	250	ND	111	38-132	0.421	20	
Surrogate: n-Nonane	*53.9*		*50.0*		*108*	*50-200*			

QC Summary Data

Cottonwood Consulting	Project Name:	NEBU 229 J	**Reported:**
PO Box 1653	Project Number:	20035-c-0001	
Durango CO, 81302	Project Manager:	Kyle Siesser	11/8/2023 1:03:25PM

Anions by EPA 300.0/9056A

Analyst: BA

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2345010-BLK1)									Prepared: 11/06/23 Analyzed: 11/07/23
Chloride	ND	20.0							
LCS (2345010-BS1)									Prepared: 11/06/23 Analyzed: 11/07/23
Chloride	256	20.0	250		102	90-110			
Matrix Spike (2345010-MS1)				**Source: E311007-02**					Prepared: 11/06/23 Analyzed: 11/07/23
Chloride	9110	1000	250	9040	27.1	80-120			M4
Matrix Spike Dup (2345010-MSD1)				**Source: E311007-02**					Prepared: 11/06/23 Analyzed: 11/07/23
Chloride	9410	1000	250	9040	147	80-120	3.25	20	M4

QC Summary Report Comment:
Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

Definitions and Notes

Cottonwood Consulting	Project Name:	NEBU 229 J	
PO Box 1653	Project Number:	20035-c-0001	**Reported:**
Durango CO, 81302	Project Manager:	Kyle Siesser	11/08/23 13:03

M4	Matrix spike recovery value is suspect since the analyte concentration in the sample is disproportionate to the spike level. The associated LCS spike recovery was acceptable.
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite
DNR	Did not react with the addition of acid or base.

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.

Released to Imaging: 11/20/2023 11:54:35 AM
Received by OCD: 11/20/2023 9:56:33 AM

Project Information | Chain of Custody | Page 1 of 1

Client: Cottonwood Consulting	
Project: NEBU 229J	
Project Manager: Kyle Siesser	
Address: PO Box 1653	
City, State, Zip Durango, CO 81302	
Phone: 970-764-7356	
Email: ksiesser@cottonwoodconsulting,com	
Report due by:	

Bill To

Attention:	
Address:	
City, State, Zip	
Phone:	
Email:	

Lab Use Only

Lab WO#	Job Number
E311015	20035-C-0001

TAT

1D	2D	3D	Standard
			X

EPA Program

CWA	SDWA	RCRA

State

NM	CO	UT	AZ	TX	
X	*				

*160

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BTEX	TPH	Chloride				Remarks
						Analysis and Method												
1105	11/1/23	S	2	SS06	1							X	X	X				

Additional Instructions:
please cc emillar@cottonwoodconsulting.com with results

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by: Kelsey O'Brien

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Kelsey O'Brien	11/1/23	1420		11-1-23	14:20
	11-1-23	15:37		11.1.23	15:37

Lab Use Only
Received on ice: (Y) / N
T1 T2 T3
AVG Temp °C 4

Sample Matrix: **S** - Soil, **Sd** - Solid, **Sg** - Sludge, **A** - Aqueous, **O** - Other _____
Container Type: **g** - glass, **p** - poly/plastic, **ag** - amber glass, v - VOA

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

envirotech

Envirotech Analytical Laboratory

Printed: 11/1/2023 4:24:57PM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Cottonwood Consulting	Date Received:	11/01/23 15:37	Work Order ID:	E311015
Phone:	970-764-7356	Date Logged In:	11/01/23 16:22	Logged In By:	Caitlin Mars
Email:	ksiesser@cottonwoodconsulting.com	Due Date:	11/08/23 17:00 (5 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: Kholeton Sanchez
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Comments/Resolution

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT?	Yes	

Sample Cooler

7. Was a sample cooler received?	Yes	
8. If yes, was cooler received in good condition?	Yes	
9. Was the sample(s) received intact, i.e., not broken?	Yes	
10. Were custody/security seals present?	No	
11. If yes, were custody/security seals intact?	NA	
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling	Yes	
13. If no visible ice, record the temperature. Actual sample temperature: 4°C		

Sample Container

14. Are aqueous VOC samples present?	No	
15. Are VOC samples collected in VOA Vials?	NA	
16. Is the head space less than 6-8 mm (pea sized or less)?	NA	
17. Was a trip blank (TB) included for VOC analyses?	NA	
18. Are non-VOC samples collected in the correct containers?	Yes	
19. Is the appropriate volume/weight or number of sample containers collected?	Yes	

Field Label

20. Were field sample labels filled out with the minimum information:		
Sample ID?	Yes	
Date/Time Collected?	Yes	
Collectors name?	Yes	

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved?	No	
22. Are sample(s) correctly preserved?	NA	
24. Is lab filteration required and/or requested for dissolved metals?	No	

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase?	No	
27. If yes, does the COC specify which phase(s) is to be analyzed?	NA	

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory?	No	
29. Was a subcontract laboratory specified by the client and if so who?	NA	Subcontract Lab: na

Client Instruction

Signature of client authorizing changes to the COC or sample disposition.

Date

envirotech Inc.

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

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

CONDITIONS

Action 287197

CONDITIONS

Operator: SIMCOE LLC 1199 Main Ave., Suite 101 Durango, CO 81301	OGRID: 329736
	Action Number: 287197
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
nvelez	None	11/20/2023