

### ABOVEGROUND SPILL AMOUNT CALCULATION FORMULA

$$\text{Volume} = \frac{\text{Length of spill} \times \text{Width of spill} \times \text{Thickness of spill}}{5.61 \text{ cuft/bbl}}$$

HOW LONG (in FEET)	150	} Enter Spill Details Here
HOW WIDE (in FEET)	36	
HOW THICK (in INCHES)	0.5	

SPILL VOLUME IN BBLs **40.11**

SPILL VOLUME IN GALS **1684.5**

NOTE: Fractions of feet or inches need to be in decimals, ex. 1/2 is 0.5.

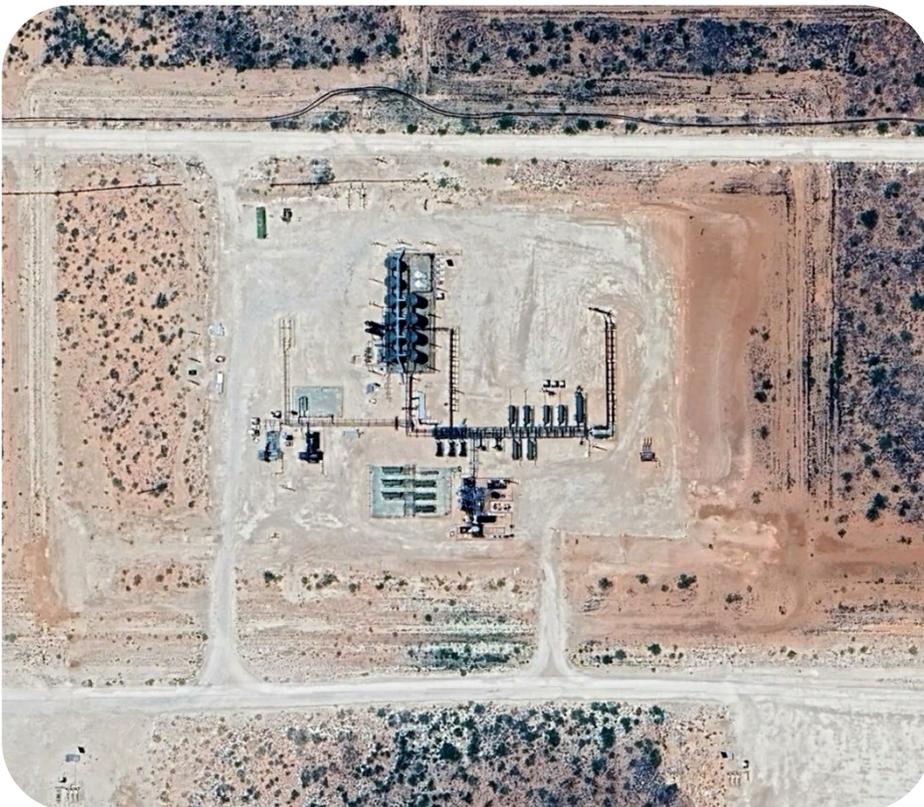
**USE THIS CALCULATOR FOR ABOVEGROUND RELEASE VOLUMES**  
**Includes fluids/mud/soil/etc. that is in containment or has not percolated down into the ground.**

# YADA C

## Revised Delineation Summary & Closure Request

**NMOCD Incident No. nAPP2515356779**  
**UL "N", Sec. 35, T24S, R35E**  
**32.168915°, -103.340817°**  
**Lea County, New Mexico**

January 23, 2026



**PREPARED ON BEHALF OF**

Civitas Resources  
6301 Holiday Hill Road  
Unit 201  
Midland, Texas 79707

**PREPARED BY**

Tasman, Inc.  
2620 W. Marland Blvd.  
Hobbs, NM 88240





January 23, 2026

Civitas Resources  
6301 Holiday Hill Road Unit 201  
Midland, Texas 79707

Attn: Mr. Mason Jones  
Email: [mjones@civiresources.com](mailto:mjones@civiresources.com)

Re: Revised Delineation Summary & Closure Request  
Yada C  
UL "N", Section 35, Township 24 South, Range 35 East  
Lea County, New Mexico  
NMOCD Incident No. nAPP2515356779  
Tasman Project No. 8871

Dear Mr. Jones,

Tasman, Inc. (Tasman) is pleased to submit this Revised Delineation Summary and Closure Request for the above referenced site. Site assessment activities were executed in accordance with the New Mexico Oil Conservation Division (NMOCD) regulations concerning a release of produced water to the environment.

Tasman conducted initial assessment activities, identifying an approximately 462 square foot area outside of the lined containment that had been impacted by the release. Based on laboratory analytical results from soil samples collected during delineation and confirmation sampling activities, soils within the release area are below the applicable NMOCD Action Levels and in accordance with 19.15.29.12 New Mexico Administrative Code (NMAC). Additional project details are provided in the attached summary report.

Tasman appreciates the opportunity to provide environmental services to Civitas Resources. Should you have any questions or require additional information, please do not hesitate to contact the undersigned.

Sincerely,  
**Tasman, Inc.**

Brett Dennis  
Program Manager  
[bdennis@tasman-geo.com](mailto:bdennis@tasman-geo.com)

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Yada C - nAPP2515356779

Revised Delineation Summary and Closure Request

## 1.0 INTRODUCTION

Tasman, Inc. (Tasman) is pleased to submit this Revised Delineation Summary and Closure Request for the Yada C (site) on behalf of Civitas Resources (Civitas), documenting the results of field activities conducted in response to a release of produced water to environmental media.

### 1.1 Site Description

The site is located in Unit Letter “N” of Section 35, Township 24 South, Range 35 East in Lea County, New Mexico on privately held property. The surrounding area consists of exploration and production infrastructure and undeveloped pastureland. A site location map can be found attached as Figure 1.

### 1.2 Release Detail and Initial Response

On June 1, 2025, Civitas personnel discovered a release of produced water at the Yada C facility. The release totaling 40 barrels (bbls) breached containment by seeping through a crack in the liner. On June 2, 2025, Civitas provided notice of release to the NMOCD portal. The release resulted in the loss of approximately 40 barrels (bbls) of produced water with approximately 40 bbls being recovered during response activities. to the surrounding environmental media. Civitas personnel shut in the equipment to isolate the release. The equipment and liner were later repaired and returned to service. Approximately 40bbls of produced water was recovered. A copy of NMOCD notifications are provided in Appendix A.

## 2.0 SITE CHARACTERISTICS

### 2.1 Depth to Groundwater

Tasman reviewed available depth to groundwater information available through the New Mexico Office of the State Engineer (NMOSE) and the United States Geologic Survey (USGS) for registered water wells within a half-mile radius of the site. Due to there being no data points for depth to groundwater within NMOCD preferred parameters a groundwater determination soil bore was installed on Civitas property 0.17 miles southeast of the site on September 23, 2025. The soil bore was advanced to 106 feet below ground surface (bgs) using a truck mounted air-rotary drilling rig. After reaching the terminal depth, a temporary casing was installed in the soil bore. After 72 hours Tasman returned to the site to check for the presence of groundwater using an oil-water interface probe. No water was present, and the soil bore was plugged and abandoned.



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Revised Delineation Summary and Closure Request

A well log for the groundwater determination bore, identified as CP-2087 POD-1, is included as Appendix B and the attached Figure 1 illustrates its location in relation to the site.

## 2.2 Karst Potential & Subsurface Mines

Tasman utilized the publicly available karst potential map published by the Bureau of Land Management (BLM) Carlsbad Field Office (CFO) to determine the potential for encountering karst formations beneath the site. Review of the BLM CFO karst potential map indicates that the site is located in an area of low potential to encounter karstic features.

Tasman utilized the USGS Mineral Resources database to determine that there are no subsurface mines beneath or in the vicinity of the site.

Areas of karst potential and subsurface mine locations are illustrated on Figure 2.

## 2.3 Distance to Nearest Potable Water Well

The nearest potable water well is assumed to be CP-01929 POD-1, located 1.22 miles north of the site. Tasman did not visually confirm the presence or use of the well, however the well application indicates livestock watering as its intended use. The location of CP-01929 POD-1 is shown on the attached Figure 1.

## 2.4 Distance to Nearest Surface Water

Tasman reviewed aerial imagery and the National Wetland Inventory Map, published by the U.S. Fish and Wildlife Service, for wetlands and surface water in the vicinity of the site. The nearest wetland, a riverine feature, is located approximately 0.57 miles southwest of the site. The nearest significant surface water was identified as the San Simon Sink, located 10.3 miles from the site. The location of the nearest wetland and surface water body can be seen on Figures 1 and 3, respectively.

## 2.5 100-year Floodplain

Review of flood map data published by the Federal Emergency Management Agency (FEMA) indicates the site is not located within a 100-year floodplain. A copy of the FEMA FIRMetete Map can be found attached as Figure 4.



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## 2.6 Residence, School, Hospital, or Institution

Review of aerial imagery did not show that the site is within 300 feet of an occupied permanent residence, school, hospital, or institution.

## 2.7 Proximity to Sensitive Receptors and Site Characteristics Summary

The table below denotes if the site is located within the minimum allowable distance from a sensitive receptor, as defined in New Mexico Administrative Code (NMAC) 19.15.29.

Site Characteristics Summary		
Approximate depth to groundwater:	>106 ft bgs	
Within an area of high karst potential?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Within 300 ft. of any continuously flowing of significant watercourse?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Within 200 ft. of any lakebed, sinkhole, or playa lake?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Within 300 ft. of an occupied permanent residence, school, hospital, or institution?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Within 500 ft. of a spring or private, domestic fresh water well?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Within 1,000 ft. of any fresh water well?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Within the incorporated municipal boundaries or within a municipal well field?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Within 300 ft. of a wetland?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Within the area overlying a subsurface mine?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Within an unstable area?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Within a 100-year floodplain?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No

## 3.0 REMEDIATION ACTION LEVELS

NMOCD assessment and cleanup levels for hydrocarbon and produced water releases are based on depth to groundwater and proximity to sensitive receptors as established in NMAC 19.15.29. Based on the site characteristics provided in Section 2.0, Action Levels for a site with a depth to groundwater greater than 100 feet were utilized; these Action Levels are as follows:

Constituent	Remediation Action Level
Chloride	20,000 mg/kg
TPH (GRO+DRO+MRO)	2,500 mg/kg
TPH (GRO+DRO)	1,000 mg/kg
BTEX	50 mg/kg
Benzene	10 mg/kg

TPH – total petroleum hydrocarbons  
 DRO – diesel range organics  
 BTEX – benzene, toluene, ethylbenzene, total xylenes

GRO – gasoline range organics  
 MRO – motor/lube oil range organics  
 mg/kg – milligrams per kilogram



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### 3.1 Reclamation Levels

The site is located within an active production facility, therefore the reclamation standards of 19.15.29.13(D) NMAC do not apply.

## 4.0 RELEASE ASSESSMENT

On June 6, 2025, Tasman was retained by Civitas to assess to a release of produced water at the site. Initial observations indicated a release area of approximately 462 square feet (ft<sup>2</sup>) affected by produced water that had left the lined containment. A photographic log of the release area is included as Appendix C. Thirteen soil borings (HA-1 through HA-13) were advanced by hand auger to assess the observed release area. Each hand auger soil boring was advanced to 1.5 feet bgs.

On July 16, 2025, Tasman returned to the site to collect additional delineation samples from greater depths at hand auger soil borings HA-1, HA-2, HA-4, HA-5, HA-6, and HA-12. The attached Figure 5 illustrates the observed release and location of collected samples.

On August 26, 2025, Civitas requested an extension request via email to the NMOCD, due to delays in permitting for the groundwater determination bore discussed in Section 2.1. The extension request was approved on the same day. A copy of the email correspondence is included in Appendix A.

### 4.1 Soil Sampling Procedures for Laboratory Analysis

The collection of soil samples for laboratory analysis was conducted in accordance with NMOCD criteria and generally approved industry standards. Collected soil samples were placed in laboratory provided containers, properly labeled, and preserved on ice pending delivery under a chain of custody form to Eurofins Environmental Testing in Midland, Texas. The collected samples were field screened using a photoionization detector for the presence of volatile organic compounds and field titration kit for chlorides.



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## 4.2 Soil Analytical Methods

Each soil sample was analyzed using Environmental Protection Agency (EPA) methods. Laboratory analytical methods are as follows:

- Chloride – EPA Method 300.
- Total Petroleum Hydrocarbons (TPH) – gasoline, diesel, and motor/lube oil range organics (GRO+DRO+MRO) – EPA Method 8015M Extended.
- Benzene, toluene, ethylbenzene, and total xylenes (BTEX) – EPA Method 8021B.

It should be noted that samples collected on June 6th from soil borings HA-1, HA-2, and HA-3 were inadvertently analyzed for TPH by Texas Commission on Environmental Quality (TCEQ) Method TX1005 and BTEX by method 8260B. All other samples were analyzed as indicated above.

## 4.3 Release Area Assessment Data Evaluation

Concentrations of benzene were not detected greater than laboratory reporting limits in any of the samples collected during delineation sampling activities.

Total BTEX was detected greater than laboratory reporting limits but below Action Levels in the sample collected from soil boring HA-1 at 0.5 ft bgs (0.00138 milligrams per kilogram [mg/kg])

Total TPH was detected greater than laboratory reporting limits but below Action Levels in the sample collected from soil boring HA-12 at 2 feet bgs (16.2 mg/kg) within the diesel range organics.

Concentrations of chlorides were detected greater than laboratory reporting limits at multiple locations, all below the established Action Levels. Detected concentrations ranged from 111 mg/kg in soil sample HA-11 at 2.5 inches to 5,080 mg/kg in soil sample HA-2 at 0.5 feet.

As a result of samples not exceeding the Action Levels established in Section 3.0, Tasman mobilized to the site on October 22, 2025, to collect one five-point composite sample (FL-1) representing approximately 200 sq ft from the area where produced water left containment. Civitas provided a sampling notification via the NMOCD online portal on October 17, 2025 (Appendix A). BTEX was not detected greater than laboratory reporting limits. Total TPH was detected at 36.1 mg/kg (16.5 mg/kg GRO/19.6 mg/kg MRO) and chlorides at 6,720. Each detected concentration was below the applicable Action Level.



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Revised Delineation Summary and Closure Request

#### 4.4 Additional Release Area Assessment Data Evaluation

On November 19, 2025, a form C-141 was submitted for the site requesting site closure. On December 8, 2025 the closure request was denied requesting the following information:

- Clarification of site location.
- Photo documentation of damaged lined containment and sample collection beneath the liner
- Recollection of samples inadvertently analyzed by method TCEQ TX1005.

The cover letter of this report has been updated with the correct coordinates for the site. Additionally, a photograph of the facility's sign and a photograph indicating where the release breached containment are provided in Appendix C.

On December 12, 2025, Tasman mobilized to the site to collect additional soil samples. Hand auger soil borings HA-1A, HA-2A, and HA-3A were advanced as close to their corresponding original locations where the 0.5 ft and 1 ft samples were inadvertently analyzed by TCEQ Method TX1005. HA-14 and HA-15 were advanced within the lined containment.

Benzene was not detected greater than laboratory detection limits in the samples collected during this event. Total BTEX was detected greater than laboratory detection limits but below NMOCD Action Levels in HA-1A and HA-3A ranging from 0.00363 mg/kg to 0.00571 mg/kg.

Total TPH was detected greater than laboratory detection limits but below NMOCD Action Levels at HA-1A and HA-2A ranging from 26.7 mg/kg to 58.6 mg/kg.

Concentrations of chlorides were detected greater than laboratory detection limits at each of the hand auger soil borings but were each below the NMCOD Action Level. Detected concentrations ranged from 209 mg/kg to 2,230 mg/kg.

On December 18, 2025, Civitas personnel repaired the areas at HA-14 and HA-15 where the liner was cut in order to perform sample collection. On December 19, 2025, Tasman collected photographs of the repaired liner (Appendix C).

Analytical results are summarized on Table 1 and laboratory analytical results are included as Appendix D.

Yada C - nAPP2515356779

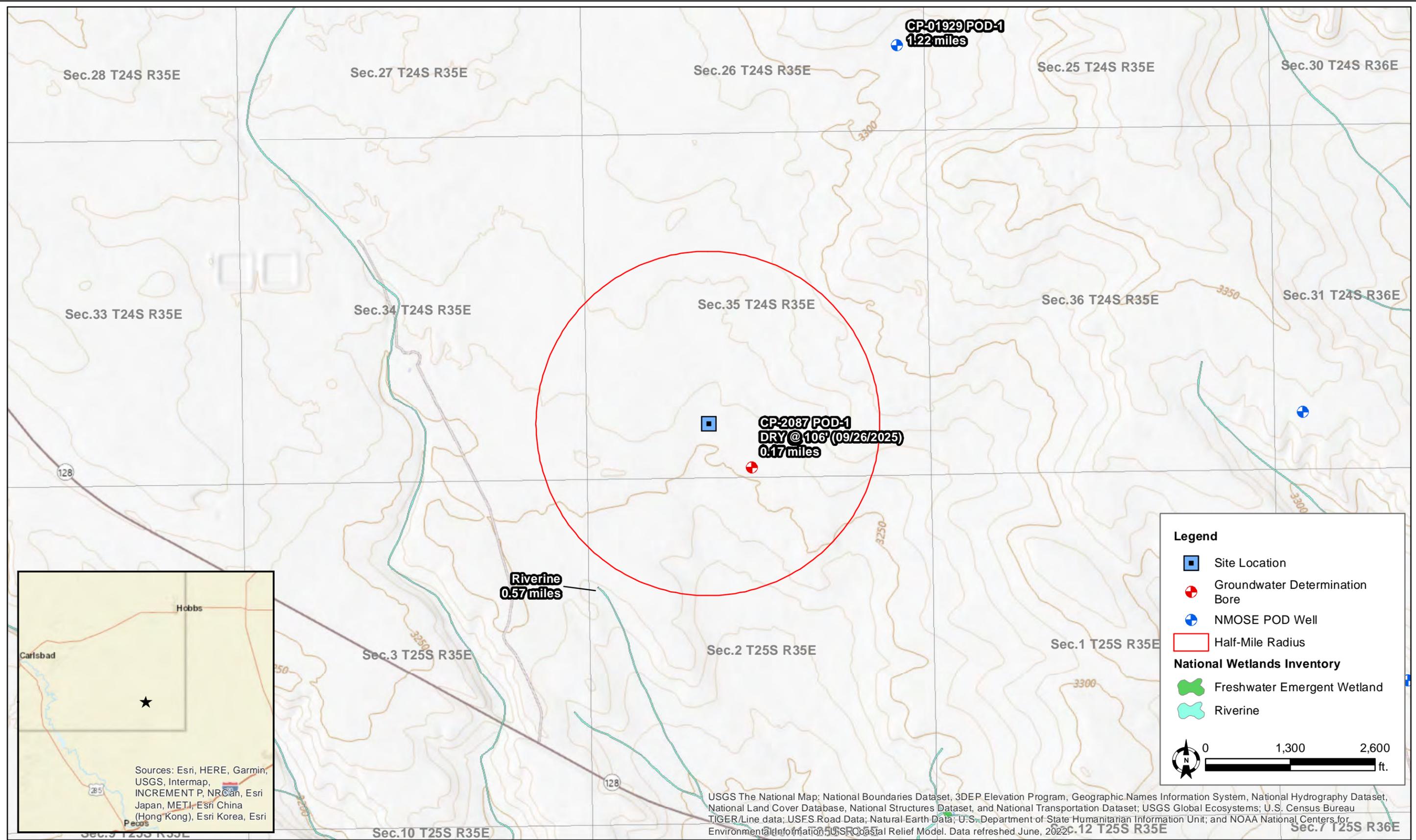
Revised Delineation Summary and Closure Request



## 5.0 SITE CLOSURE REQUEST

Based on laboratory analytical results from soil samples collected during delineation and confirmation sampling events, soils within the release area are not present at concentrations greater than the applicable NMOCD Action Levels in accordance with 19.15.29 NMAC. As such, Tasman, on behalf of Civitas, respectfully requests that the site be granted closure.

## **Figures**



DATE:	Nov.2025
DESIGNED BY:	C. Flores
DRAWN BY:	C. Flores

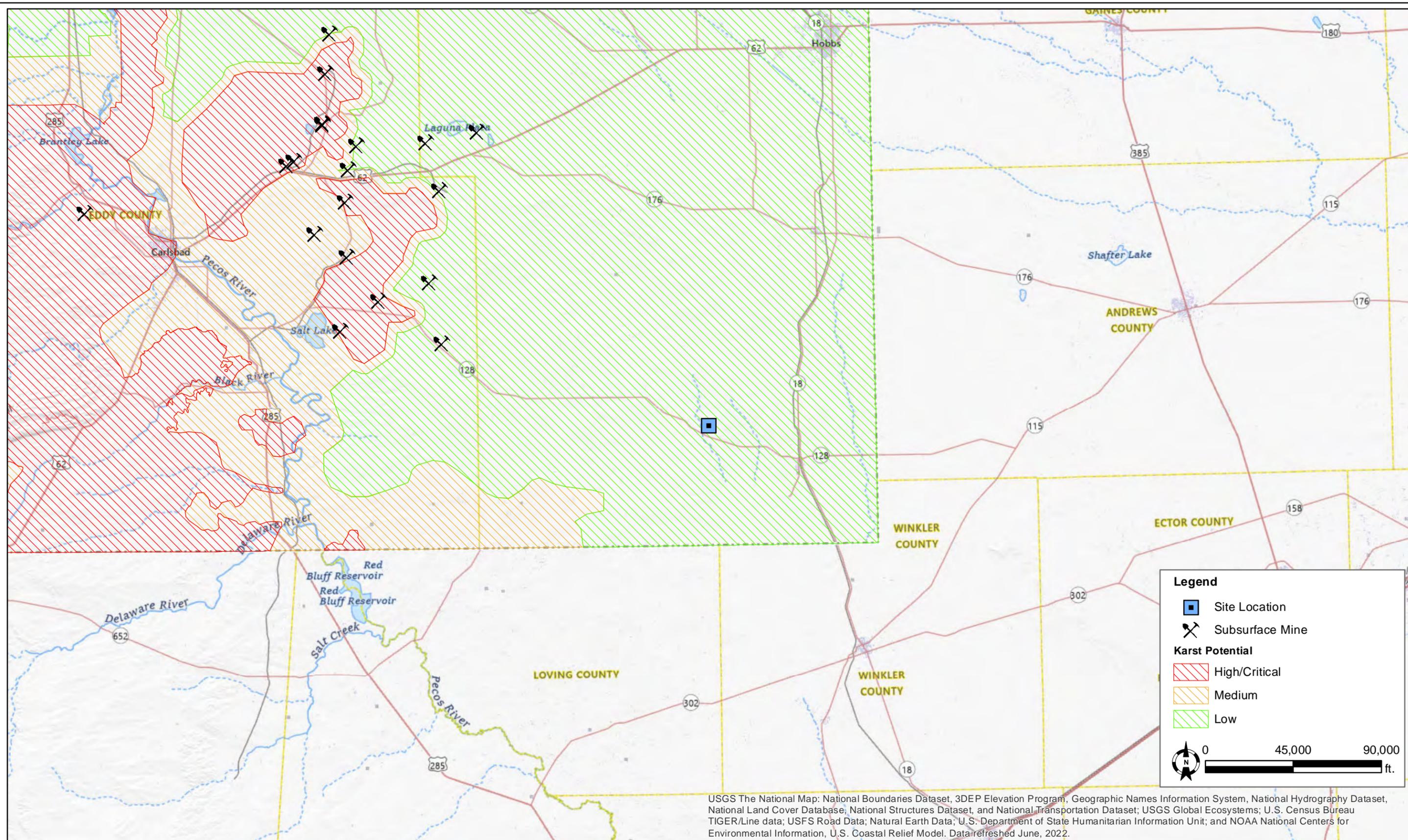


**Tasman, Inc.**  
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 Hobbs, NM 88240

**Civitas Resources**  
 Yada C - nAPP2515356779  
 UL "N", Sec. 35, T24S, R35E  
 Lea County, New Mexico

Site Location & Groundwater  
 Map

Figure  
 1



DATE: Nov. 2025  
 DESIGNED BY: C. Flores  
 DRAWN BY: C. Flores

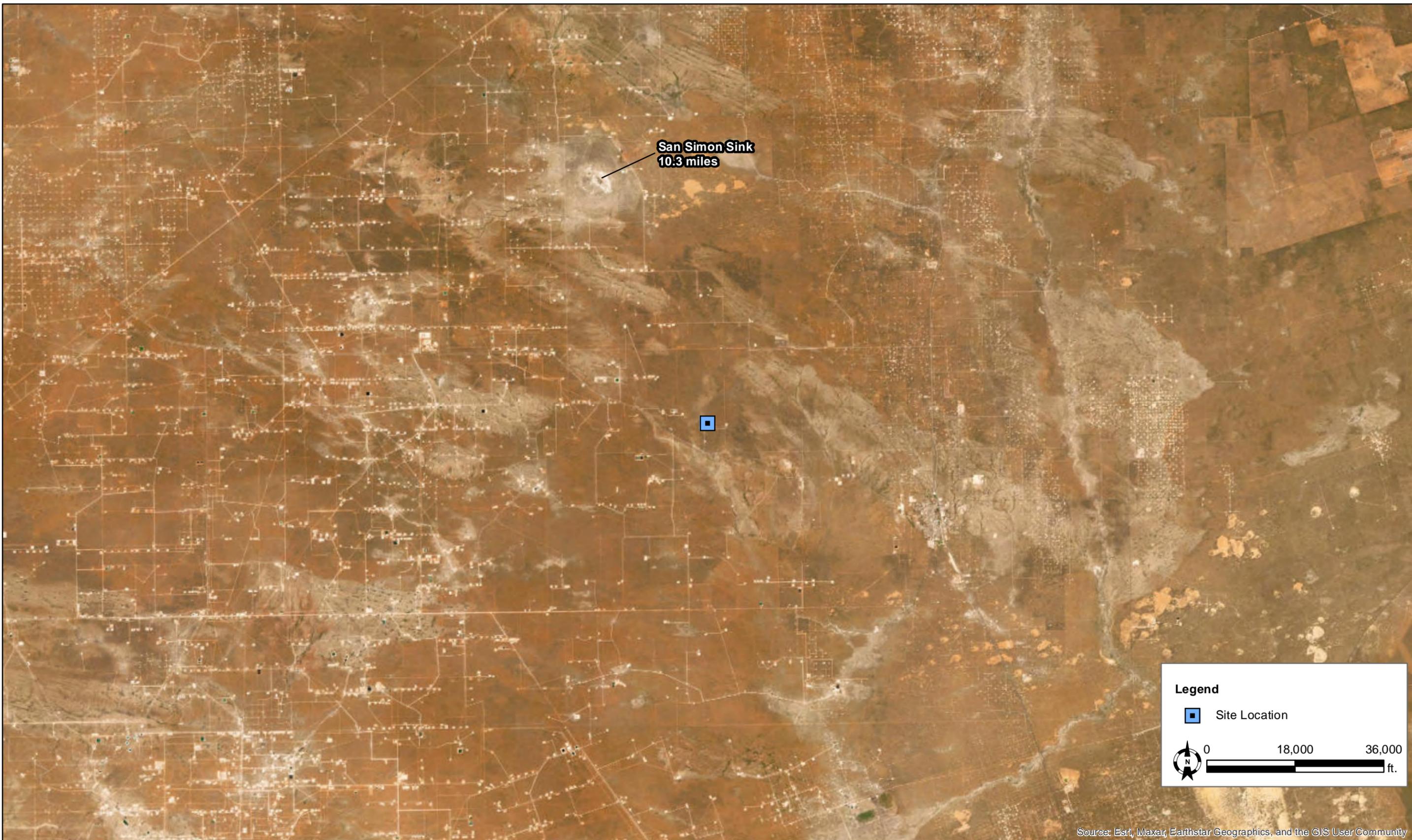


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 Lea County, New Mexico

Karst Potential & Subsurface  
 Mine Map

Figure  
 2



Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

DATE:	Nov. 2025
DESIGNED BY:	C. Flores
DRAWN BY:	C. Flores



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 Lea County, New Mexico

Surface Water Map

Figure 3

# National Flood Hazard Layer FIRMMette



103°20'45"W 32°10'23"N



## Legend Figure 4

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

SPECIAL FLOOD HAZARD AREAS		Without Base Flood Elevation (BFE) <i>Zone A, V, A99</i>
		With BFE or Depth <i>Zone AE, AO, AH, VE, AR</i>
		Regulatory Floodway
OTHER AREAS OF FLOOD HAZARD		0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile <i>Zone X</i>
		Future Conditions 1% Annual Chance Flood Hazard <i>Zone X</i>
		Area with Reduced Flood Risk due to Levee. See Notes. <i>Zone X</i>
		Area with Flood Risk due to Levee <i>Zone D</i>
OTHER AREAS		NO SCREEN Area of Minimal Flood Hazard <i>Zone X</i>
		Effective LOMRs
GENERAL STRUCTURES		Area of Undetermined Flood Hazard <i>Zone D</i>
		Channel, Culvert, or Storm Sewer
		Levee, Dike, or Floodwall
OTHER FEATURES		20.2 Cross Sections with 1% Annual Chance Water Surface Elevation
		17.5 Water Surface Elevation
		Coastal Transect
		Base Flood Elevation Line (BFE)
		Limit of Study
MAP PANELS		Jurisdiction Boundary
		Coastal Transect Baseline
		Profile Baseline
		Hydrographic Feature
		Digital Data Available
		No Digital Data Available
		Unmapped

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



1:6,000

103°20'8"W 32°9'52"N

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

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on **11/5/2025 at 3:37 PM** and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

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



DATE:	January 2026
DESIGNED BY:	K. Johnston
DRAWN BY:	K. Stark

**TASMAN** Tasman, Inc.  
 2420 W. Marland Blvd.  
 Hobbs NM, 88240

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 UL "N", Sec. 35, T24S, R35E  
 Lea County, New Mexico

Sampling Overview Map

Figure 5

**Table**

**TABLE 1**  
**SOIL ANALYTICAL SUMMARY**  
**Civitas Resources**  
**Yada C - nAPP2515356779**

Sample ID	Sample Depth (bgs)	Sample Date	Soil Status	PID (ppm)	Field Chloride (mg/kg)	Benzene (mg/kg)	Total BTEX <sup>1</sup> (mg/kg)	TPH <sup>2</sup> (mg/kg)				Chloride <sup>3</sup> (mg/kg)
								GRO	DRO	MRO	TOTAL	
<b>Site Assessment Soil Samples</b>												
HA-1	0.5'	6/2/2025*	In-Situ	1.9	3,098	<0.00383	0.00138	<24.9	<24.9	<24.9	<24.9	3,170
	1'		In-Situ	1.8	2,622	---	---	---	---	---	---	---
	1.5'		In-Situ	1.6	2,609	<0.00383	<0.000433	<24.8	<24.8	<24.8	<24.8	2,920
	2'	7/16/2025	In-Situ	2.5	2,360	---	---	---	---	---	---	---
	3'		In-Situ	2.7	1,429	---	---	---	---	---	---	---
	4'		In-Situ	2.7	1,705	<0.00139	<0.00228	<14.5	<15.1	<15.1	<15.1	1,660
	6'		In-Situ	0.4	1,039	---	---	---	---	---	---	---
8'	In-Situ	0.2	300	<0.00140	<0.00229	<14.5	<15.1	<15.1	<15.1	345		
HA-1A	0.5'	12/15/2026	In-Situ	---	---	<0.00138	0.00363	<14.5	<15.1	26.7	26.7	209
1.5'	In-Situ		---	---	<0.00139	0.00571	<14.4	<15.0	<15.0	<15.0	1,420	
HA-2	0.5'	6/2/2025*	In-Situ	0.8	2,438	<0.00383	<0.000433	<24.9	<24.9	<24.9	<24.9	5,080
	1'		In-Situ	0.3	1,817	---	---	---	---	---	---	---
	1.5'		In-Situ	0.1	1,073	<0.00382	<0.000432	<24.9	<24.9	<24.9	<24.9	1,190
	2'	7/16/2025	In-Situ	1.5	989	---	---	---	---	---	---	---
	3'		In-Situ	0.8	179	<0.00139	<0.00229	<14.5	<15.1	<15.1	<15.1	245
4'	In-Situ	0.1	148	---	---	---	---	---	---	---	---	
HA-2A	0.5'	12/15/2026	In-Situ	---	---	<0.00139	<0.00228	<14.4	<15.0	58.6	58.6	790
1.5'	In-Situ		---	---	<0.00141	<0.00231	<14.5	<15.1	48.6	48.6	729	
HA-3	0.5'	6/2/2025*	In-Situ	1.6	3,804	<0.00379	<0.000429	<25.0	<25.0	<25.0	<25.0	3,880
	1'		In-Situ	0.3	1,497	---	---	---	---	---	---	---
	1.5'		In-Situ	0.6	498	<0.00383	<0.000434	<24.5	<24.5	<24.5	<24.5	530
HA-3A	0.5'	12/15/2026	In-Situ	---	---	<0.00140	<0.00229	<14.4	<15.0	<15.0	<15.0	1,510
1.5'	In-Situ		---	---	<0.00138	0.00377	<14.5	<15.1	<15.1	<15.1	138	
HA-4	0.5'	6/2/2025	In-Situ	1.9	3,415	---	---	---	---	---	---	---
	1'		In-Situ	2.0	2,905	---	---	---	---	---	---	---
	1.5'		In-Situ	2.2	2,923	<0.00141	<0.00231	<14.6	<15.2	<15.2	<15.2	2,750
	2'	7/16/2025	In-Situ	0.5	1,559	---	---	---	---	---	---	---
	3'		In-Situ	1.2	1,461	---	---	---	---	---	---	---
4'	In-Situ	0.5	431	<0.00138	<0.00227	<14.4	<15.0	<15.0	<15.0	589		
HA-5	0.5'	6/2/2025	In-Situ	3.4	3,561	---	---	---	---	---	---	---
	1'		In-Situ	3.2	3,330	---	---	---	---	---	---	---
	1.5'		In-Situ	1.4	1,147	<0.00139	<0.00229	<14.4	<15.0	<15.0	<15.0	1,290
	2'	7/16/2025	In-Situ	2.2	284	<0.00139	<0.00228	<14.6	<15.2	<15.2	<15.2	363
	3'		In-Situ	2.0	149	---	---	---	---	---	---	---
4'	In-Situ	0.8	145	---	---	---	---	---	---	---	---	
HA-6	0.5'	6/2/2025	In-Situ	3.2	3,712	---	---	---	---	---	---	---
	1'		In-Situ	2.4	2,895	---	---	---	---	---	---	---
	1.5'		In-Situ	1.4	1,425	<0.00139	<0.00228	<14.5	<15.1	<15.1	<15.1	1,450
	2'	7/16/2025	In-Situ	0.4	301	<0.00138	<0.00226	<14.5	<15.1	<15.1	<15.1	368
	3'		In-Situ	0.7	283	---	---	---	---	---	---	---
4'	In-Situ	0.1	145	---	---	---	---	---	---	---	---	
HA-7	0.5'	6/2/2025	In-Situ	0.3	347	<0.00140	<0.00230	<14.5	<15.1	<15.1	<15.1	134
HA-8	0.5'	6/2/2025	In-Situ	0.5	668	<0.00138	<0.00227	<14.5	<15.1	<15.1	<15.1	127
	1'		In-Situ	0.3	143	---	---	---	---	---	---	---
	1.5'		In-Situ	0.1	148	<0.00139	<0.00229	<14.4	<15.0	<15.0	<15.0	115
HA-9	0.5'	6/2/2025	In-Situ	1.2	721	<0.00139	<0.00228	<14.5	<15.1	<15.1	<15.1	658
	1'		In-Situ	0.5	454	---	---	---	---	---	---	---
	1.5'		In-Situ	1.0	282	<0.00140	<0.00229	<14.6	<15.2	<15.2	<15.2	181
HA-10	0.5'	6/2/2025	In-Situ	0.5	146	<0.00140	<0.00230	<14.4	<15.0	<15.0	<15.0	122
	1'		In-Situ	0.6	140	---	---	---	---	---	---	---
	1.5'		In-Situ	0.8	151	<0.00139	<0.00229	<14.5	<15.1	<15.1	<15.1	111
HA-11	2.5"	6/2/2025	In-Situ	1.2	146	<0.00139	<0.00228	<14.5	<15.1	<15.1	<15.1	303
HA-12	0.5'	6/2/2025	In-Situ	0.6	2,932	---	---	---	---	---	---	---
	1'		In-Situ	1.8	2,888	---	---	---	---	---	---	---
	1.5'		In-Situ	1.7	2,825	<0.00139	<0.00229	<14.6	<15.2	<15.2	<15.2	2,720
	2'	7/16/2025	In-Situ	1.6	233	<0.00140	<0.00229	<14.6	16.2 J	<15.2	16.2 J	193
	3'		In-Situ	1.0	202	---	---	---	---	---	---	---
4'	In-Situ	0.7	284	---	---	---	---	---	---	---	---	
HA-13	0.5'	6/2/2025	In-Situ	0.7	436	---	---	---	---	---	---	---
	1'		In-Situ	0.4	579	---	---	---	---	---	---	---
	1.5'		In-Situ	1.6	149	<0.00138	<0.00226	<14.5	<15.1	<15.1	<15.1	284
HA-14	0.5'	12/15/2025	In-Situ	---	---	<0.00139	<0.00228	<14.5	<15.1	<15.1	<15.1	1,570
	1'		In-Situ	---	---	<0.00139	<0.00228	<14.5	<15.1	<15.1	<15.1	657
HA-15	0.5'	12/15/2025	In-Situ	---	---	<0.00138	<0.00227	<14.5	<15.1	<15.1	<15.1	2,230
	1'		In-Situ	---	---	<0.00138	<0.00226	<14.5	<15.1	<15.1	<15.1	1,200
<b>Confirmation Soil Samples</b>												
FL-1**	0-0.5'	10/22/2025	In-Situ	---	---	<0.00139	<0.00226	16.5 J	<15.1	19.6 J	36.1 J	6,720
<b>NMOC Reclamation Standards<sup>4</sup></b> (Applicable for soils less than 4 ft. below grade surface)				N/A	N/A	N/A	N/A	N/A				N/A
<b>NMOC Remediation and Delineation Standards<sup>5</sup></b> (Applicable for soils greater than 4 ft. below grade surface)				N/A	N/A	10	50	1,000	N/A	2,500	20,000	

Notes:

- BTEX = Benzene, toluene, ethylbenzene, and total xylenes by EPA method 8021B
  - TPH = Total petroleum hydrocarbons analyzed by method EPA 8015 (GRO/DRO/MRO)
  - Chloride - Analyzed by EPA method 300
  - New Mexico Administrative Code (NMAC) 19.15.29.13(D) - Restoration, Reclamation, and Re-vegetation (Reclamation for areas no longer in use) for soils extending to 4 ft. below grade surface (bgs).
  - New Mexico Oil Conservation Division (NMOC) Remediation and Delineation Standards (NMAC 19.15.29.12(N))
- \* = Samples were analyzed by Methods TPH TX1005 and BTEX EPA 8260  
 \*\* = Sample collected as a 5-point composite sample

- BGS = Below ground surface  
 GRO = Gasoline range organics  
 DRO = Diesel range organics  
 MRO = Motor/lube oil range organics  
 PID = Photoionization detector  
 --- = Sample was not analyzed for this analyte  
 <RL = The analyte was not detected above the laboratory reporting limit (SDL)  
 N/A = Not applicable

**Appendix A – NMOCD Notifications**

### ABOVEGROUND SPILL AMOUNT CALCULATION FORMULA

$$\text{Volume} = \frac{\text{Length of spill} \times \text{Width of spill} \times \text{Thickness of spill}}{5.61 \text{ cuft/bbl}}$$

HOW LONG (in FEET)	150	} Enter Spill Details Here
HOW WIDE (in FEET)	36	
HOW THICK (in INCHES)	0.5	

SPILL VOLUME IN BBLs **40.11**

SPILL VOLUME IN GALS **1684.5**

NOTE: Fractions of feet or inches need to be in decimals, ex. 1/2 is 0.5.

**USE THIS CALCULATOR FOR ABOVEGROUND RELEASE VOLUMES**  
**Includes fluids/mud/soil/etc. that is in containment or has not percolated down into the ground.**

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Phone: (505) 629-6116

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

QUESTIONS

Action 499010

**QUESTIONS**

Operator: Civitas Permian Operating, LLC 555 17th Street Denver, CO 80202	OGRID: 332195
	Action Number: 499010
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

**QUESTIONS**

<b>Prerequisites</b>	
Incident ID (n#)	nAPP2515356779
Incident Name	NAPP2515356779 YADA C @ 0
Incident Type	Produced Water Release
Incident Status	Initial C-141 Received
Incident Facility	[fAPP2126033332] YADA CTB B

<b>Location of Release Source</b>	
<i>Please answer all the questions in this group.</i>	
Site Name	Yada C
Date Release Discovered	06/01/2025
Surface Owner	Private

<b>Incident Details</b>	
<i>Please answer all the questions in this group.</i>	
Incident Type	Produced Water Release
Did this release result in a fire or is the result of a fire	No
Did this release result in any injuries	No
Has this release reached or does it have a reasonable probability of reaching a watercourse	No
Has this release endangered or does it have a reasonable probability of endangering public health	No
Has this release substantially damaged or will it substantially damage property or the environment	No
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No

<b>Nature and Volume of Release</b>	
<i>Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.</i>	
Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: Corrosion   Separator   Produced Water   Released: 40 BBL   Recovered: 40 BBL   Lost: 0 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	No
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

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QUESTIONS, Page 2

Action 499010

**QUESTIONS (continued)**

Operator: Civitas Permian Operating, LLC 555 17th Street Denver, CO 80202	OGRID: 332195
	Action Number: 499010
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

**QUESTIONS**

<b>Nature and Volume of Release (continued)</b>	
Is this a gas only submission (i.e. only significant Mcf values reported)	<b>No, according to supplied volumes this does not appear to be a "gas only" report.</b>
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	<b>Yes</b>
Reasons why this would be considered a submission for a notification of a major release	<b>From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.</b>
<i>With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.</i>	

**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	<b>True</b>
The impacted area has been secured to protect human health and the environment	<b>True</b>
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	<b>True</b>
All free liquids and recoverable materials have been removed and managed appropriately	<b>True</b>
If all the actions described above have not been undertaken, explain why	<i>Not answered.</i>

*Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.*

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.

I hereby agree and sign off to the above statement	Name: Mason Jones Title: c-Environmental Specialist Email: <a href="mailto:mjones@civiresources.com">mjones@civiresources.com</a> Date: 08/25/2025
--	---

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**Energy, Minerals and Natural Resources**  
**Oil Conservation Division**  
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**Santa Fe, NM 87505**

QUESTIONS, Page 3

Action 499010

**QUESTIONS (continued)**

Operator: Civitas Permian Operating, LLC 555 17th Street Denver, CO 80202	OGRID: 332195
	Action Number: 499010
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

**QUESTIONS**

<b>Site Characterization</b>	
<i>Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Not answered.
What method was used to determine the depth to ground water	Not answered.
Did this release impact groundwater or surface water	Not answered.
<b>What is the minimum distance, between the closest lateral extents of the release and the following surface areas:</b>	
A continuously flowing watercourse or any other significant watercourse	Not answered.
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Not answered.
An occupied permanent residence, school, hospital, institution, or church	Not answered.
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Not answered.
Any other fresh water well or spring	Not answered.
Incorporated municipal boundaries or a defined municipal fresh water well field	Not answered.
A wetland	Not answered.
A subsurface mine	Not answered.
An (non-karst) unstable area	Not answered.
Categorize the risk of this well / site being in a karst geology	Not answered.
A 100-year floodplain	Not answered.
Did the release impact areas not on an exploration, development, production, or storage site	Not answered.

<b>Remediation Plan</b>	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
Requesting a remediation plan approval with this submission	No
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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CONDITIONS

Action 499010

**CONDITIONS**

Operator: Civitas Permian Operating, LLC 555 17th Street Denver, CO 80202	OGRID: 332195
	Action Number: 499010
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

**CONDITIONS**

Created By	Condition	Condition Date
scwells	None	8/26/2025

**From:** [Wells, Shelly, EMNRD](#)  
**To:** [Mason Jones](#)  
**Cc:** [Kyle Norman](#); [Brett Dennis](#); [Bratcher, Michael, EMNRD](#)  
**Subject:** RE: [EXTERNAL] Yada C - Extension Request - nAPP2515356779  
**Date:** Tuesday, August 26, 2025 10:00:23 AM  
**Attachments:** [image001.png](#)

---

Good afternoon,

I have approved the submitted initial C-141 and therefore the extension request for NAPP2515356779 YADA C is approved. The new due date to submit your remediation plan or remediation closure report to the OCD is December 1, 2025. Please include a copy of this and all notifications in the closure report to ensure the notifications are documented in the project file.

Kind regards,

Shelly

**Shelly Wells** \* Environmental Specialist-Advanced  
Environmental Bureau  
EMNRD-Oil Conservation Division  
1220 S. St. Francis Drive|Santa Fe, NM 87505  
(505)469-7520 [Shelly.Wells@emnrd.nm.gov](mailto:Shelly.Wells@emnrd.nm.gov)  
<http://www.emnrd.state.nm.us/OCD/>

---

**From:** Mason Jones <mjones@civiresources.com>  
**Sent:** Monday, August 25, 2025 1:51 PM  
**To:** Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>  
**Cc:** Kyle Norman <knorman@tasman-geo.com>; Brett Dennis <bdennis@tasman-geo.com>; Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>  
**Subject:** RE: [EXTERNAL] Yada C - Extension Request - nAPP2515356779

Good Afternoon,

This is beyond embarrassing, and I apologize that I did not notice I had not submitted the initial C-141 back in June. I just submitted the documentation, please let me know if you need any additional information from me.

Thank you

**Mason Jones**

Permian Environmental Coordinator

Cell: 512-635-0129

6301 Holiday Hill Road Unit 201 | Midland, TX | 79707

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---

**From:** Wells, Shelly, EMNRD <[Shelly.Wells@emnrd.nm.gov](mailto:Shelly.Wells@emnrd.nm.gov)>

**Sent:** Monday, August 25, 2025 2:20 PM

**To:** Mason Jones <[mjones@civiresources.com](mailto:mjones@civiresources.com)>

**Cc:** Kyle Norman <[knorman@tasman-geo.com](mailto:knorman@tasman-geo.com)>; Brett Dennis <[bdennis@tasman-geo.com](mailto:bdennis@tasman-geo.com)>; Bratcher, Michael, EMNRD <[mike.bratcher@emnrd.nm.gov](mailto:mike.bratcher@emnrd.nm.gov)>

**Subject:** RE: [EXTERNAL] Yada C - Extension Request - nAPP2515356779

Good afternoon Mason,

Prior to the consideration of an extension request, an initial C-141 is required to be submitted to the OCD Permitting website pursuant to 19.15.29.10 NMAC. Once this has been done, please let me know and I can consider the extension request.

Kind regards,

Shelly

**Shelly Wells** \* Environmental Specialist-Advanced

Environmental Bureau

EMNRD-Oil Conservation Division

1220 S. St. Francis Drive|Santa Fe, NM 87505

(505)469-7520 [Shelly.Wells@emnrd.nm.gov](mailto:Shelly.Wells@emnrd.nm.gov)

<http://www.emnrd.state.nm.us/OCD/>

---

**From:** Mason Jones <[mjones@civiresources.com](mailto:mjones@civiresources.com)>

**Sent:** Monday, August 25, 2025 12:42 PM

**To:** Enviro, OCD, EMNRD <[OCD.Enviro@emnrd.nm.gov](mailto:OCD.Enviro@emnrd.nm.gov)>

**Cc:** Kyle Norman <[knorman@tasman-geo.com](mailto:knorman@tasman-geo.com)>; Brett Dennis <[bdennis@tasman-geo.com](mailto:bdennis@tasman-geo.com)>

**Subject:** [EXTERNAL] Yada C - Extension Request - nAPP2515356779

---

You don't often get email from [mjones@civitasresources.com](mailto:mjones@civitasresources.com). [Learn why this is important](#)

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

Good Afternoon,

Civitas Resources (Civitas) is requesting an extension to the current deadline for a report required in 19.15.29.12.B(1) NMAC at the Yada C (Site).

A produced water release was discovered on June 1, 2025, and was subsequently assigned Incident Number nAPP2515356779. Tasman collected initial delineation samples on June 2, 2025, and additional samples on July 10, 2025, to vertically delineate. Upon further review by Civitas, it was determined that a temporary depth to groundwater (DTW) well be drilled to further assist in determining the site characterization. DTW drilling is pending the NMOSE permit approval process. Unfortunately, surface rights legalities have caused delays on permitting.

Civitas requests an extension of the August 30, 2025, deadline for the release associated with Incident Number nAPP2515356779, to allow additional time for DTW drilling and additional time to review and coordinate remediation activities. Upon favorable remediation activities, a Civitas contracted consultant will complete a subsequent corrective action closure report.

Thanks,

**Mason Jones**

Permian Environmental Coordinator

Cell: 512-635-0129

6301 Holiday Hill Road Unit 201 | Midland, TX | 79707

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**Oil Conservation Division**  
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**Santa Fe, NM 87505**

QUESTIONS

Action 516716

**QUESTIONS**

Operator: Civitas Permian Operating, LLC 555 17th Street Denver, CO 80202	OGRID: 332195
	Action Number: 516716
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

**QUESTIONS**

<b>Prerequisites</b>	
Incident ID (n#)	nAPP2515356779
Incident Name	NAPP2515356779 YADA C @ 0
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved
Incident Facility	[fAPP212603332] YADA CTB B

<b>Location of Release Source</b>	
Site Name	YADA C
Date Release Discovered	06/01/2025
Surface Owner	Private

<b>Sampling Event General Information</b>	
<i>Please answer all the questions in this group.</i>	
What is the sampling surface area in square feet	200
What is the estimated number of samples that will be gathered	1
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	10/22/2025
Time sampling will commence	08:30 AM
Please provide any information necessary for observers to contact samplers	Sampling will occur at the Yada C by the separators on the west side of the pad. 32.167424, -103.33659
Please provide any information necessary for navigation to sampling site	From HYW 128 and the entrance to the lease road (32.176920, -103.383801) drive east on the caliche lease road for 0.63 miles, turn right. Continue south for 0.28 miles, turn left. Continue east for 0.35 miles, turn right. Continue south for 0.37 miles, turn left. Continue east for 1.70 miles, turn right. Continue south on the caliche pad for 0.03 miles and arrive onsite.

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CONDITIONS

Action 516716

**CONDITIONS**

Operator: Civitas Permian Operating, LLC 555 17th Street Denver, CO 80202	OGRID: 332195
	Action Number: 516716
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

**CONDITIONS**

Created By	Condition	Condition Date
mjones01	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	10/17/2025
mjones01	If confirmation sampling is going to take place over multiple days, individual C-141N applications must be submitted for each sampling date. Date ranges are not currently accepted on the C-141N application.	10/17/2025

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Energy, Minerals and Natural Resources  
Oil Conservation Division  
1220 S. St Francis Dr.  
Santa Fe, NM 87505**

QUESTIONS

Action 533715

**QUESTIONS**

Operator: Civitas Permian Operating, LLC 555 17th Street Denver, CO 80202	OGRID: 332195
	Action Number: 533715
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

**QUESTIONS**

<b>Prerequisites</b>	
Incident ID (n#)	nAPP2515356779
Incident Name	NAPP2515356779 YADA C @ FAPP2126033332
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved
Incident Facility	[fAPP2126033332] YADA CTB B

<b>Location of Release Source</b>	
Site Name	YADA C
Date Release Discovered	06/01/2025
Surface Owner	Private

<b>Sampling Event General Information</b>	
<i>Please answer all the questions in this group.</i>	
What is the sampling surface area in square feet	462
What is the estimated number of samples that will be gathered	5
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	12/15/2025
Time sampling will commence	08:00 AM
Please provide any information necessary for observers to contact samplers	Sampling will occur at Yada C by the separators
Please provide any information necessary for navigation to sampling site	32.167424, -103.336598

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**Santa Fe, NM 87505**

CONDITIONS

Action 533715

**CONDITIONS**

Operator: Civitas Permian Operating, LLC 555 17th Street Denver, CO 80202	OGRID: 332195
	Action Number: 533715
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

**CONDITIONS**

Created By	Condition	Condition Date
mjones01	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	12/10/2025
mjones01	If confirmation sampling is going to take place over multiple days, individual C-141N applications must be submitted for each sampling date. Date ranges are not currently accepted on the C-141N application.	12/10/2025

## **Appendix B – Depth to Groundwater Information**



# WELL RECORD & LOG

## OFFICE OF THE STATE ENGINEER

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1. GENERAL AND WELL LOCATION	OSE POD NO. (WELL NO.) Pod-1		WELL TAG ID NO.		OSE FILE NO(S) CP-2087		
	WELL OWNER NAME(S) Civitas Permian Operating				PHONE (OPTIONAL) 512-635-0129		
	WELL OWNER MAILING ADDRESS 6301 Holiday Hill Rd. Unit #201				CITY Midland	STATE TX	ZIP 79707
	WELL LOCATION (FROM GPS)	DEGREES 32	MINUTES 10	SECONDS 0.90	N	* ACCURACY REQUIRED: ONE TENTH OF A SECOND * DATUM REQUIRED: WGS 84	
	LONGITUDE 103	20	18.82	W			
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE UL-N S-35 T-24S R-35E							

2. DRILLING & CASING INFORMATION	LICENSE NO. WD-1862	NAME OF LICENSED DRILLER James Hawley			NAME OF WELL DRILLING COMPANY H&R Enterprises, LLC			
	DRILLING STARTED 9/23/25	DRILLING ENDED 9/23/25	DEPTH OF COMPLETED WELL (FT) 106'	BORE HOLE DEPTH (FT) 106'	DEPTH WATER FIRST ENCOUNTERED (FT) Dry hole			
	COMPLETED WELL IS: <input type="checkbox"/> ARTESIAN *add Centralizer info below <input checked="" type="checkbox"/> DRY HOLE <input type="checkbox"/> SHALLOW (UNCONFINED)				STATIC WATER LEVEL IN COMPLETED WELL (FT) NA	DATE STATIC MEASURED 9/26/25		
	DRILLING FLUID: <input checked="" type="checkbox"/> AIR <input type="checkbox"/> MUD ADDITIVES - SPECIFY:							
	DRILLING METHOD: <input checked="" type="checkbox"/> ROTARY <input type="checkbox"/> HAMMER <input type="checkbox"/> CABLE TOOL <input type="checkbox"/> OTHER - SPECIFY:					CHECK HERE IF PITLESS ADAPTER IS INSTALLED <input type="checkbox"/>		
	DEPTH (feet bgl)		BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
	FROM	TO						
				No Casing left in hole				

3. ANNULAR MATERIAL	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL <i>*(if using Centralizers for Artesian wells- indicate the spacing below)</i>	AMOUNT (cubic feet)	METHOD OF PLACEMENT
	FROM	TO				
				N/A		

FOR OSE INTERNAL USE		WR-20 WELL RECORD & LOG (Version 09/22/2022)	
FILE NO.	POD NO.	TRN NO.	
LOCATION	WELL TAG ID NO.	PAGE 1 OF 2	





# PLUGGING RECORD



**NOTE: A Well Plugging Plan of Operations shall be approved by the State Engineer prior to plugging - 19.27.4 NMAC**

## I. GENERAL / WELL OWNERSHIP:

State Engineer Well Number: CP-2087 Pod-1

Well owner: Civitas Permian Operating

Phone No.: 512-635-0129

Mailing address: 6301 Holiday Hill Rd. Unit #201

City: Midland

State: TX

Zip code: 79707

## II. WELL PLUGGING INFORMATION:

1) Name of well drilling company that plugged well: H&R Enterprises, LLC

2) New Mexico Well Driller License No.: WD-1862 Expiration Date: 6/16/27

3) Well plugging activities were supervised by the following well driller(s)/rig supervisor(s): Nathan Smelcer

4) Date well plugging began: 9/26/25 Date well plugging concluded: 9/26/25

5) GPS Well Location: Latitude: 32 deg, 10 min, 0.90 sec  
Longitude: 103 deg, 20 min, 18.82 sec, WGS 84

6) Depth of well confirmed at initiation of plugging as: 106 ft below ground level (bgl),  
by the following manner: well sounder

7) Static water level measured at initiation of plugging: N/A ft bgl

8) Date well plugging plan of operations was approved by the State Engineer: 8/26/25

9) Were all plugging activities consistent with an approved plugging plan? Yes If not, please describe differences between the approved plugging plan and the well as it was plugged (attach additional pages as needed):



File No. CP-01929 FOD1

**NEW MEXICO OFFICE OF THE STATE ENGINEER**



**APPLICATION FOR PERMIT TO USE UNDERGROUND WATERS IN ACCORDANCE WITH SECTIONS 72-12-1.1, 72-12-1.2, OR 72-12-1.3 NEW MEXICO STATUTES**



For fees, see State Engineer website: <http://www.ose.state.nm.us/>

**1. APPLICANT(S)**

Name: TRUSTEES OF JAL PUBLIC LIBRARY		Name: DAVE ANDERSEN	
Contact or Agent: <input type="checkbox"/> check here if Agent RANDY CRAWFORD		Contact or Agent: <input checked="" type="checkbox"/> check here if Agent	
Mailing Address: 100 E UTAH AVE		Mailing Address: 616 QUEENS HWY	
City: JAL		City: CARLSBAD	
State: NM	Zip Code: 88252	State: NM	Zip Code: 88220
Phone: 575-395-3268 <input type="checkbox"/> Home <input checked="" type="checkbox"/> Cell Phone (Work): 575-441-2153		Phone: 575-361-3668 <input type="checkbox"/> Home <input checked="" type="checkbox"/> Cell Phone (Work):	
E-mail (optional): RANDYAMYANDBOYS@AOL.COM		E-mail (optional): LONLONTREES@GMAIL.COM	

Check here if existing well. Enter OSE File No. \_\_\_\_\_

**2. WELL LOCATION Required: Coordinate location must be New Mexico State Plane (NAD 83), UTM (NAD 83), or Lat/Long (WGS84). District II (Roswell) and District VII (Cimarron) customers, provide a PLSS location in addition to above.**

NM State Plane (NAD83) - In feet	NM West Zone <input type="checkbox"/> NM Central Zone <input type="checkbox"/> NM East Zone <input type="checkbox"/>	X (in feet): Y (in feet):
UTM (NAD83) - In meters	UTM Zone 13N <input type="checkbox"/> UTM Zone 12N <input type="checkbox"/>	Easting (in meters): Northing (in meters):
Lat/Long (WGS84) - To 1/10 <sup>th</sup> of second <input type="checkbox"/> Check if seconds are decimal format	Lat: 32 deg 11 min 05.00 sec Long: 103 deg 19 min 52.00 sec	
Other Location Information (complete the below, if applicable):		
PLSS Quarters or Halves: N2NE4SE4SE4 & S2SE4NE4SE4 Section: 26 Township: 24S Range: 35E		
County: LEA <span style="margin-left: 100px;">2, 4, 4</span>		
Land Grant Name (if applicable):		
Lot No:	Block No:	Unit/Tract:
		Subdivision: OSE DT NOV 14 2022 PM 1:34
Hydrographic Survey:		Map: Tract:
Other description relating well to common landmarks, streets, or other: 3-1/4 MILES SOUTHWEST OF THE JAL COOPER CEMENTARY JAL, NM 88252		
Well is on Land Owned by (Required): APPLICANT		

FOR OSE INTERNAL USE

Application for Permit, Form wr-01, Rev 6/30/17

File No.: CP-01929 FOD1	Trn. No.: 737845	Receipt No.: 2-45216
Well Tag ID No. (if applicable): 21105	Sub-Basin: CP	Log Due Date: 11/21/23

3. PURPOSE OF USE

Domestic use for one household

Livestock watering

Domestic use for more than one household. Number of households \_\_\_\_ Note: List each lot and owner contact information.

Drinking and sanitary uses that are incidental to the operations of a governmental, commercial, or non-profit facility

Prospecting, mining or drilling operations to discover or develop natural resources

Construction of public works, highways and roads

Domestic use for one household and livestock watering

Domestic use for multiple households and livestock watering

Domestic well to accompany a house or other dwelling unit constructed for sale

New well (with new purpose)

Amend purpose of use on existing well

No change in purpose

4. WELL INFORMATION: CHECK THOSE THAT APPLY  Existing Well  Known Artesian

File Information: (If existing well, provide OSE no. & indicate below if well is to be replacement, repaired or deepened, or supplemental. If new well, leave blank, as OSE must assign no.)

OSE Well No. (If Existing)	New Well No. (provided by OSE)
Well Driller Name: TBD	Well Driller License Number: TBD
Approximate Depth of Well (feet): 800	Outside Diameter of Well Casing (inches): 7"

Replacement well (List all existing wells if more than one):

Repair or Deepen:

- Clean out well to original depth
- Deepen well from \_\_\_\_ to \_\_\_\_ ft.
- Other (Explain):

Supplemental well (List OSE No. for all wells this will supplement):

5. ADDITIONAL STATEMENTS OR EXPLANATIONS (Use additional sheets if necessary)

NEW WELL FOR LIVESTOCK

ACKNOWLEDGEMENT

I, We (name of applicant(s)), DAVE ANDERSEN Print Name(s)

affirm that the foregoing statements are true to the best of (my, our) knowledge and belief.

*DAVE*  
Applicant Signature

Applicant Signature OSE DTI NOV 14 2022 PM 1:34

ACTION OF THE OFFICE OF THE STATE ENGINEER (FOR OSE USE ONLY)

This application is approved subject to the attached general and specific conditions of approval

Witness my hand and seal this 21<sup>st</sup> day of November 20 22, for the New Mexico State Engineer.

By: *Rodolfo Chavez* Signature Rodolfo Chavez Print



FOR OSE INTERNAL USE

Well Tag ID Issued?  Yes  No

Application for Permit, Form wr-01, Rev 6/30/17

File No.: <u>CP-01929</u>	Trn No.: <u>737845</u>	Well ID Tag No.: <u>21105</u>
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## **Appendix C – Photographic Log**

Civitas Resources  
Yada C  
NMOCD Incident ID nAPP2515356779



Photograph of release area facing south

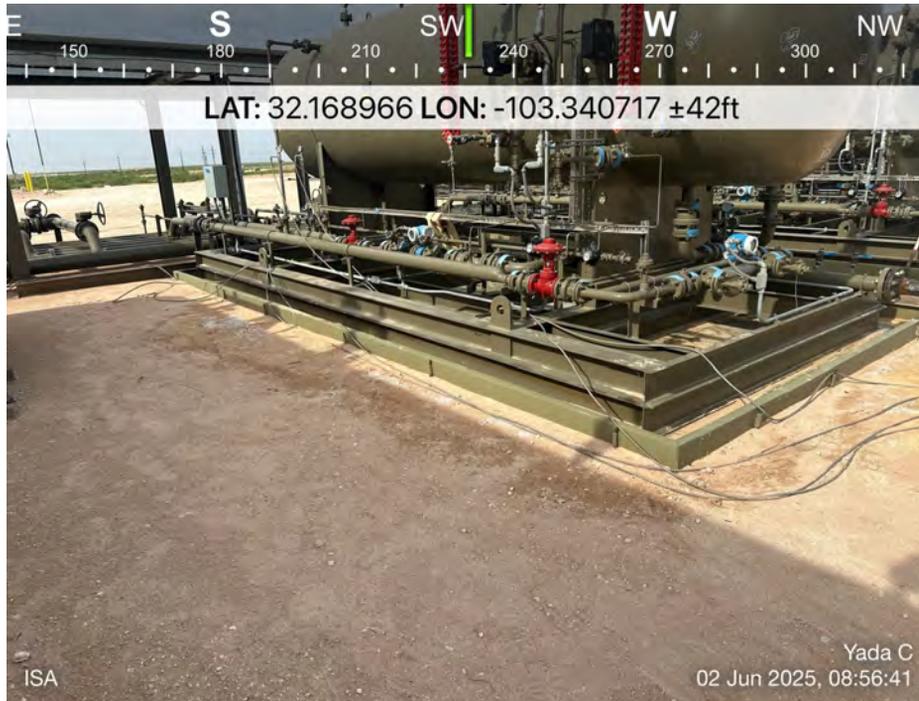


Point of containment breach

Civitas Resources  
Yada C  
NMOCD Incident ID nAPP2515356779

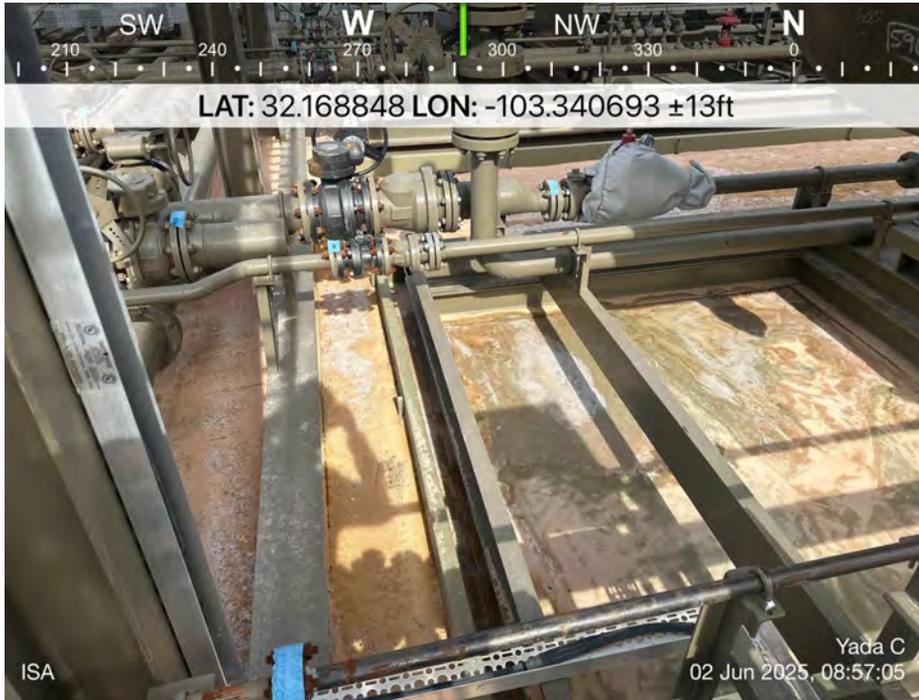


Initial Site Assessment

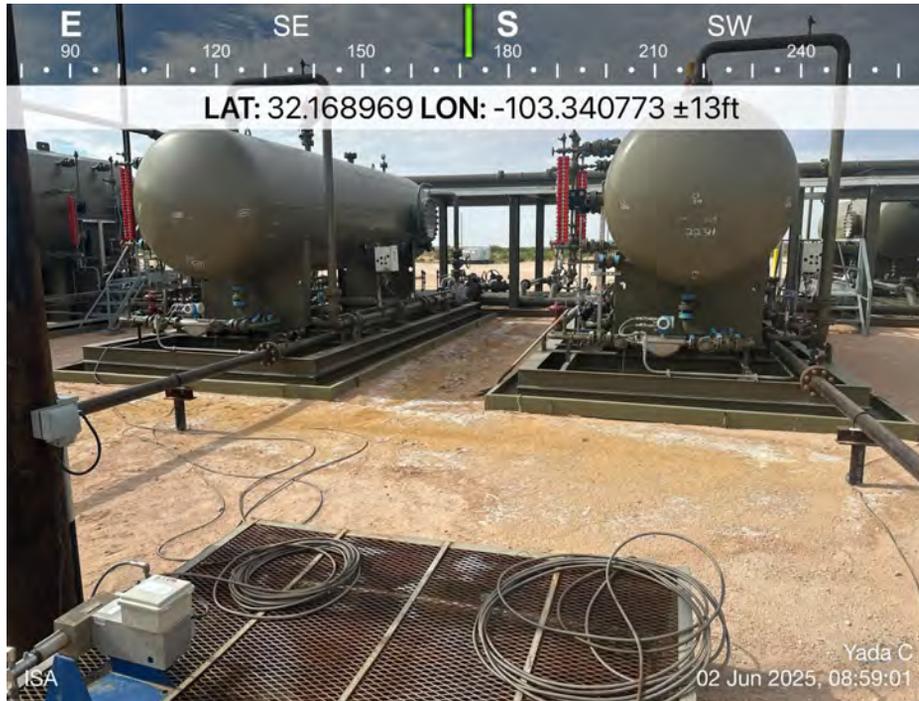


Initial Site Assessment

Civitas Resources  
Yada C  
NMOCD Incident ID nAPP2515356779



Initial Site Assessment



Initial Site Assessment

Civitas Resources  
Yada C  
NMOCD Incident ID nAPP2515356779



Boring Installation - CP-2087 POD-1



Temporary Casing – CP-2087 POD-1

Civitas Resources  
Yada C  
NMOCD Incident ID nAPP2515356779

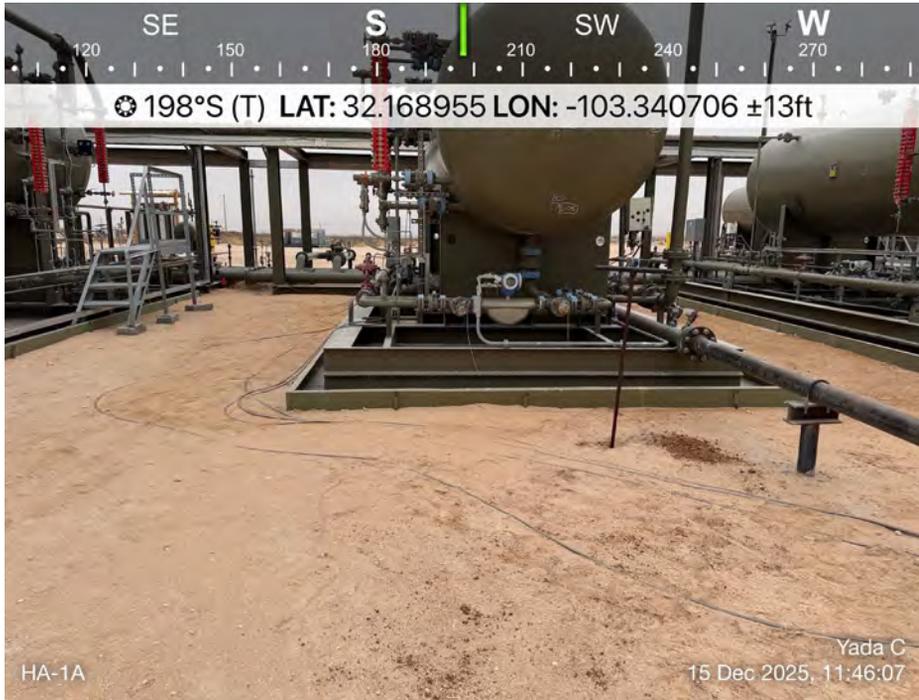


Collecting Measurement of CP-2087 POD-1

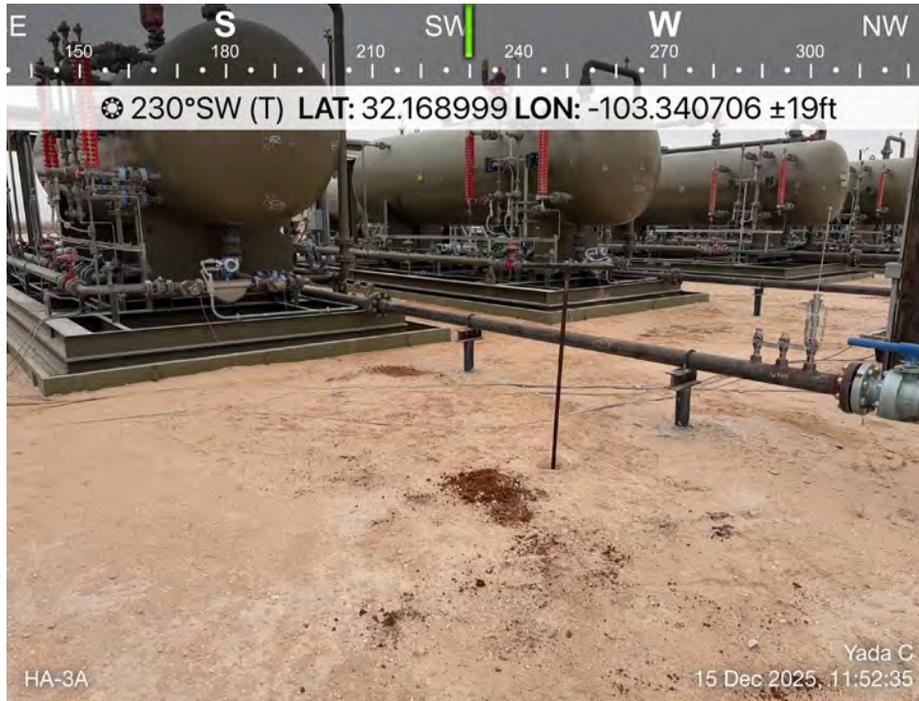


CP-2087 POD-1 – Plugged & Abandoned

Civitas Resources  
Yada C  
NMOCD Incident ID nAPP2515356779



Hand auger HA-1A

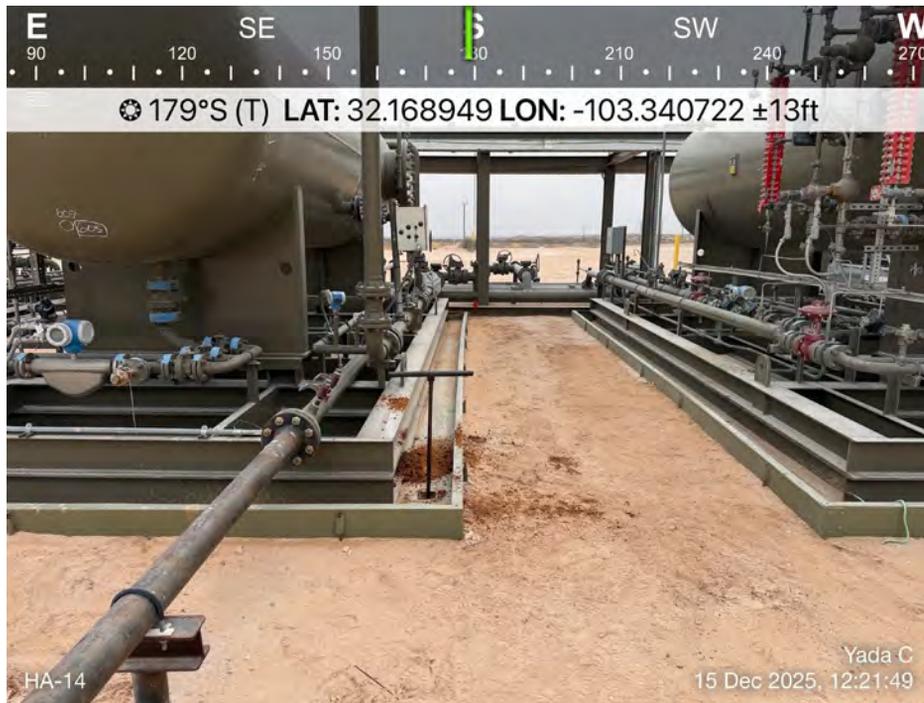


Hand auger HA-3A

Civitas Resources  
Yada C  
NMOCD Incident ID nAPP2515356779

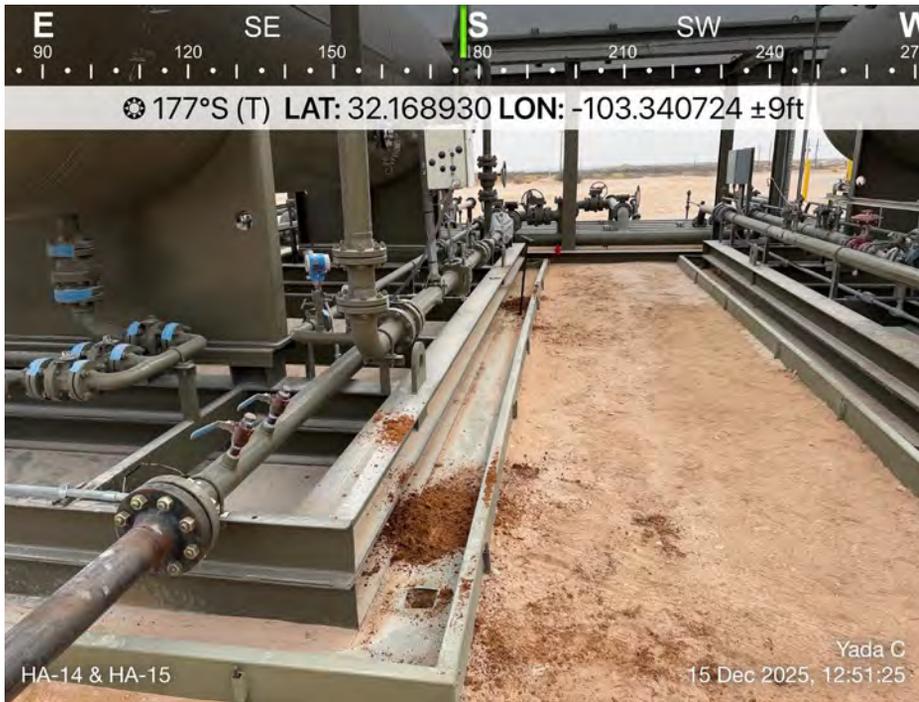


Hand auger HA-2A

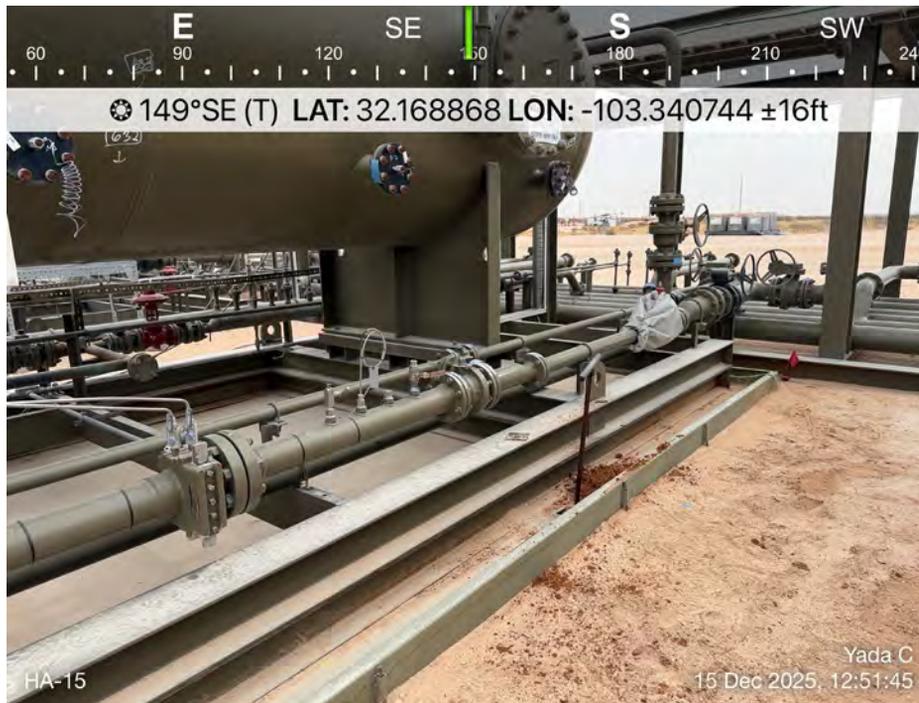


Hand auger HA-14

Civitas Resources  
Yada C  
NMOCD Incident ID nAPP2515356779



Hand auger HA-14 and HA-15

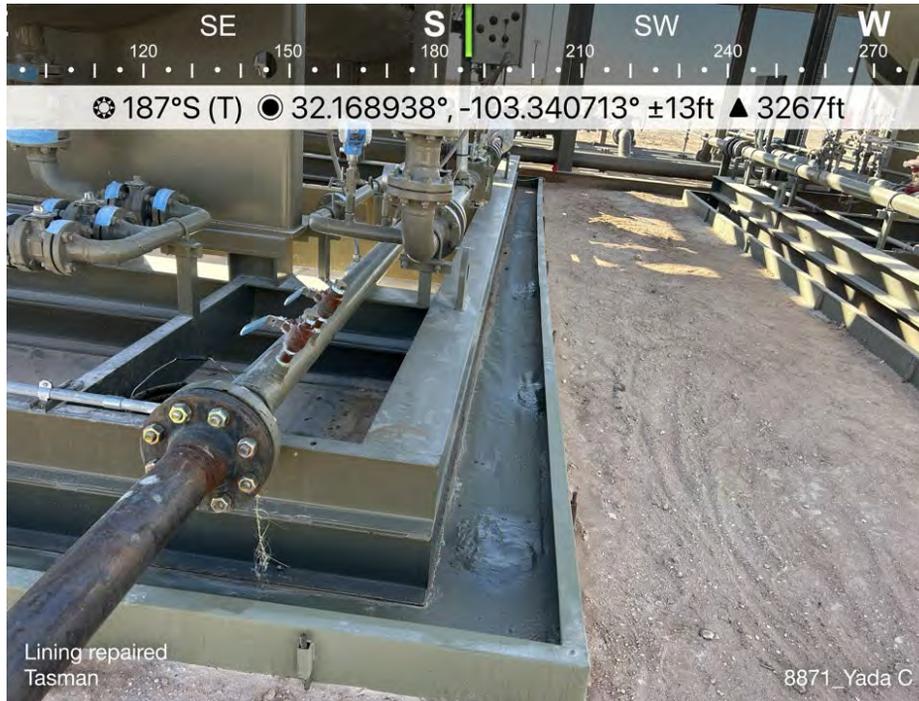


Hand auger HA-15

Civitas Resources  
Yada C  
NMOCD Incident ID nAPP2515356779



Yada A CTB Sign



Repaired liner

Civitas Resources  
Yada C  
NMOCD Incident ID nAPP2515356779



Repaired liner



Repaired liner

**Appendix D – Certified Laboratory Analytical Reports**



Environment Testing

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# ANALYTICAL REPORT

## PREPARED FOR

Attn: Kyle Norman  
 Tasman Geosciences Inc  
 2620 W. Marland Blvd.  
 Hobbs, New Mexico 88240

Generated 6/11/2025 2:44:06 PM

## JOB DESCRIPTION

Yada C  
 8871

## JOB NUMBER

890-8267-1



# Eurofins Carlsbad

## Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

## Authorization



Generated  
6/11/2025 2:44:06 PM

Authorized for release by  
Jessica Kramer, Project Manager  
[Jessica.Kramer@et.eurofinsus.com](mailto:Jessica.Kramer@et.eurofinsus.com)  
(432)704-5440

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Client: Tasman Geosciences Inc  
Project/Site: Yada C

Laboratory Job ID: 890-8267-1  
SDG: 8871

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## Definitions/Glossary

Client: Tasman Geosciences Inc  
Project/Site: Yada C

Job ID: 890-8267-1  
SDG: 8871

## Qualifiers

## GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.

## GC Semi VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

## HPLC/IC

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
U	Indicates the analyte was analyzed for but not detected.

## Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	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: Tasman Geosciences Inc  
Project: Yada C

Job ID: 890-8267-1

**Job ID: 890-8267-1**

**Eurofins Carlsbad**

### Job Narrative 890-8267-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

#### Receipt

The samples were received on 6/4/2025 12:27 PM. 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 -0.6°C.

#### Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: HA-1 @ 0.5 (890-8267-1), HA-1 @ 1 (890-8267-2), HA-1 @ 1.5 (890-8267-3), HA-2 @ 0.5 (890-8267-4), HA-2 @ 1 (890-8267-5), HA-2 @ 1.5 (890-8267-6), HA-3 @ 0.5 (890-8267-7), HA-3 @ 1 (890-8267-8), HA-3 @ 1.5 (890-8267-9) and HA-4 @ 0.5 (890-8267-10).

#### GC/MS VOA

Method 8260D: Sample is in a bulk jar.

HA-1 @ 1.5 (890-8267-3), HA-2 @ 1.5 (890-8267-6) and HA-3 @ 1.5 (890-8267-9)

Method 8260D: Sample is in a bulk jar.

HA-1 @ 0.5 (890-8267-1), HA-2 @ 0.5 (890-8267-4) and HA-3 @ 0.5 (890-8267-7)

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

#### GC Semi VOA

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

#### Hydrocarbons

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

#### HPLC/IC

Method 300\_ORGFM\_28D: The following sample was diluted to bring the concentration of target analytes within the calibration range: HA-2 @ 0.5 (890-8267-4). Elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Eurofins Carlsbad

## Client Sample Results

Client: Tasman Geosciences Inc  
Project/Site: Yada CJob ID: 890-8267-1  
SDG: 8871

Client Sample ID: HA-1 @ 0.5

Lab Sample ID: 890-8267-1

Date Collected: 06/02/25 09:58

Matrix: Solid

Date Received: 06/04/25 12:27

## Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00100	U	0.00100	0.000383	mg/Kg		06/10/25 10:57	06/10/25 12:25	1
Toluene	<0.00500	U	0.00500	0.00121	mg/Kg		06/10/25 10:57	06/10/25 12:25	1
Ethylbenzene	<0.00100	U	0.00100	0.000304	mg/Kg		06/10/25 10:57	06/10/25 12:25	1
<b>m,p-Xylenes</b>	<b>0.000798</b>	<b>J</b>	0.00200	0.000433	mg/Kg		06/10/25 10:57	06/10/25 12:25	1
<b>o-Xylene</b>	<b>0.000584</b>	<b>J</b>	0.00100	0.000316	mg/Kg		06/10/25 10:57	06/10/25 12:25	1
<b>Xylenes, Total</b>	<b>0.00138</b>	<b>J</b>	0.00200	0.000433	mg/Kg		06/10/25 10:57	06/10/25 12:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98		56 - 150	06/10/25 10:57	06/10/25 12:25	1
4-Bromofluorobenzene (Surr)	101		68 - 152	06/10/25 10:57	06/10/25 12:25	1
Dibromofluoromethane (Surr)	115		53 - 142	06/10/25 10:57	06/10/25 12:25	1
Toluene-d8 (Surr)	96		70 - 130	06/10/25 10:57	06/10/25 12:25	1

## Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Total BTEX</b>	<b>0.00138</b>	<b>J</b>	0.00200	0.000433	mg/Kg			06/10/25 12:25	1

## Method: TCEQ TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C12 Range Hydrocarbons	<49.9	U	49.9	24.9	mg/Kg		06/10/25 09:18	06/10/25 19:28	1
>C12-C28 Range Hydrocarbons	<49.9	U	49.9	24.9	mg/Kg		06/10/25 09:18	06/10/25 19:28	1
>C28-C35 Range Hydrocarbons	<49.9	U	49.9	24.9	mg/Kg		06/10/25 09:18	06/10/25 19:28	1
Total Petroleum Hydrocarbons (C6-C35)	<49.9	U	49.9	24.9	mg/Kg			06/10/25 19:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	106		70 - 130	06/10/25 09:18	06/10/25 19:28	1
o-Terphenyl (Surr)	118		70 - 130	06/10/25 09:18	06/10/25 19:28	1

## Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Chloride</b>	<b>3170</b>		9.47	4.73	mg/Kg		06/10/25 15:10	06/10/25 21:17	1

Client Sample ID: HA-1 @ 1.5

Lab Sample ID: 890-8267-3

Date Collected: 06/02/25 10:01

Matrix: Solid

Date Received: 06/04/25 12:27

## Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00100	U	0.00100	0.000383	mg/Kg		06/06/25 10:14	06/06/25 12:56	1
Toluene	<0.00500	U	0.00500	0.00121	mg/Kg		06/06/25 10:14	06/06/25 12:56	1
Ethylbenzene	<0.00100	U	0.00100	0.000304	mg/Kg		06/06/25 10:14	06/06/25 12:56	1
m,p-Xylenes	<0.00200	U	0.00200	0.000433	mg/Kg		06/06/25 10:14	06/06/25 12:56	1
o-Xylene	<0.00100	U	0.00100	0.000316	mg/Kg		06/06/25 10:14	06/06/25 12:56	1
Xylenes, Total	<0.00200	U	0.00200	0.000433	mg/Kg		06/06/25 10:14	06/06/25 12:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	114		56 - 150	06/06/25 10:14	06/06/25 12:56	1
4-Bromofluorobenzene (Surr)	113		68 - 152	06/06/25 10:14	06/06/25 12:56	1
Dibromofluoromethane (Surr)	110		53 - 142	06/06/25 10:14	06/06/25 12:56	1
Toluene-d8 (Surr)	106		70 - 130	06/06/25 10:14	06/06/25 12:56	1

Eurofins Carlsbad

### Client Sample Results

Client: Tasman Geosciences Inc  
Project/Site: Yada C

Job ID: 890-8267-1  
SDG: 8871

Client Sample ID: HA-1 @ 1.5

Lab Sample ID: 890-8267-3

Date Collected: 06/02/25 10:01

Matrix: Solid

Date Received: 06/04/25 12:27

**Method: TAL SOP Total BTEX - Total BTEX Calculation**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00200	U	0.00200	0.000433	mg/Kg			06/06/25 12:56	1

**Method: TCEQ TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C12 Range Hydrocarbons	<49.6	U	49.6	24.8	mg/Kg		06/09/25 14:13	06/10/25 13:02	1
>C12-C28 Range Hydrocarbons	<49.6	U	49.6	24.8	mg/Kg		06/09/25 14:13	06/10/25 13:02	1
>C28-C35 Range Hydrocarbons	<49.6	U	49.6	24.8	mg/Kg		06/09/25 14:13	06/10/25 13:02	1
Total Petroleum Hydrocarbons (C6-C35)	<49.6	U	49.6	24.8	mg/Kg			06/10/25 13:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	107		70 - 130	06/09/25 14:13	06/10/25 13:02	1
o-Terphenyl (Surr)	103		70 - 130	06/09/25 14:13	06/10/25 13:02	1

**Method: EPA 300.0 - Anions, Ion Chromatography**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2920		9.98	4.99	mg/Kg		06/05/25 11:58	06/06/25 04:12	1

Client Sample ID: HA-2 @ 0.5

Lab Sample ID: 890-8267-4

Date Collected: 06/02/25 10:11

Matrix: Solid

Date Received: 06/04/25 12:27

**Method: SW846 8260D - Volatile Organic Compounds by GC/MS**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00100	U	0.00100	0.000383	mg/Kg		06/10/25 10:57	06/10/25 12:46	1
Toluene	<0.00500	U	0.00500	0.00121	mg/Kg		06/10/25 10:57	06/10/25 12:46	1
Ethylbenzene	<0.00100	U	0.00100	0.000304	mg/Kg		06/10/25 10:57	06/10/25 12:46	1
m,p-Xylenes	<0.00200	U	0.00200	0.000433	mg/Kg		06/10/25 10:57	06/10/25 12:46	1
o-Xylene	<0.00100	U	0.00100	0.000316	mg/Kg		06/10/25 10:57	06/10/25 12:46	1
Xylenes, Total	<0.00200	U	0.00200	0.000433	mg/Kg		06/10/25 10:57	06/10/25 12:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	93		56 - 150	06/10/25 10:57	06/10/25 12:46	1
4-Bromofluorobenzene (Surr)	97		68 - 152	06/10/25 10:57	06/10/25 12:46	1
Dibromofluoromethane (Surr)	113		53 - 142	06/10/25 10:57	06/10/25 12:46	1
Toluene-d8 (Surr)	99		70 - 130	06/10/25 10:57	06/10/25 12:46	1

**Method: TAL SOP Total BTEX - Total BTEX Calculation**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00200	U	0.00200	0.000433	mg/Kg			06/10/25 12:46	1

**Method: TCEQ TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C12 Range Hydrocarbons	<49.8	U	49.8	24.9	mg/Kg		06/10/25 07:16	06/10/25 19:12	1
>C12-C28 Range Hydrocarbons	<49.8	U	49.8	24.9	mg/Kg		06/10/25 07:16	06/10/25 19:12	1
>C28-C35 Range Hydrocarbons	<49.8	U	49.8	24.9	mg/Kg		06/10/25 07:16	06/10/25 19:12	1
Total Petroleum Hydrocarbons (C6-C35)	<49.8	U	49.8	24.9	mg/Kg			06/10/25 19:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	105		70 - 130	06/10/25 07:16	06/10/25 19:12	1
o-Terphenyl (Surr)	116		70 - 130	06/10/25 07:16	06/10/25 19:12	1

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### Client Sample Results

Client: Tasman Geosciences Inc  
Project/Site: Yada C

Job ID: 890-8267-1  
SDG: 8871

**Client Sample ID: HA-2 @ 0.5**

**Lab Sample ID: 890-8267-4**

Date Collected: 06/02/25 10:11

Matrix: Solid

Date Received: 06/04/25 12:27

**Method: EPA 300.0 - Anions, Ion Chromatography**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5080		98.6	49.3	mg/Kg		06/10/25 15:10	06/10/25 21:54	10

**Client Sample ID: HA-2 @ 1.5**

**Lab Sample ID: 890-8267-6**

Date Collected: 06/02/25 10:14

Matrix: Solid

Date Received: 06/04/25 12:27

**Method: SW846 8260D - Volatile Organic Compounds by GC/MS**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000998	U	0.000998	0.000382	mg/Kg		06/06/25 10:14	06/06/25 13:21	1
Toluene	<0.00499	U	0.00499	0.00121	mg/Kg		06/06/25 10:14	06/06/25 13:21	1
Ethylbenzene	<0.000998	U	0.000998	0.000304	mg/Kg		06/06/25 10:14	06/06/25 13:21	1
m,p-Xylenes	<0.00200	U	0.00200	0.000432	mg/Kg		06/06/25 10:14	06/06/25 13:21	1
o-Xylene	<0.000998	U	0.000998	0.000315	mg/Kg		06/06/25 10:14	06/06/25 13:21	1
Xylenes, Total	<0.00200	U	0.00200	0.000432	mg/Kg		06/06/25 10:14	06/06/25 13:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	116		56 - 150	06/06/25 10:14	06/06/25 13:21	1
4-Bromofluorobenzene (Surr)	111		68 - 152	06/06/25 10:14	06/06/25 13:21	1
Dibromofluoromethane (Surr)	113		53 - 142	06/06/25 10:14	06/06/25 13:21	1
Toluene-d8 (Surr)	104		70 - 130	06/06/25 10:14	06/06/25 13:21	1

**Method: TAL SOP Total BTEX - Total BTEX Calculation**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00200	U	0.00200	0.000432	mg/Kg			06/06/25 13:21	1

**Method: TCEQ TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C12 Range Hydrocarbons	<49.8	U	49.8	24.9	mg/Kg		06/09/25 14:13	06/10/25 13:31	1
>C12-C28 Range Hydrocarbons	<49.8	U	49.8	24.9	mg/Kg		06/09/25 14:13	06/10/25 13:31	1
>C28-C35 Range Hydrocarbons	<49.8	U	49.8	24.9	mg/Kg		06/09/25 14:13	06/10/25 13:31	1
Total Petroleum Hydrocarbons (C6-C35)	<49.8	U	49.8	24.9	mg/Kg			06/10/25 13:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	111		70 - 130	06/09/25 14:13	06/10/25 13:31	1
o-Terphenyl (Surr)	102		70 - 130	06/09/25 14:13	06/10/25 13:31	1

**Method: EPA 300.0 - Anions, Ion Chromatography**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1190		9.60	4.80	mg/Kg		06/05/25 11:58	06/06/25 04:29	1

**Client Sample ID: HA-3 @ 0.5**

**Lab Sample ID: 890-8267-7**

Date Collected: 06/02/25 09:52

Matrix: Solid

Date Received: 06/04/25 12:27

**Method: SW846 8260D - Volatile Organic Compounds by GC/MS**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000990	U	0.000990	0.000379	mg/Kg		06/10/25 10:57	06/10/25 13:06	1
Toluene	<0.00495	U	0.00495	0.00120	mg/Kg		06/10/25 10:57	06/10/25 13:06	1
Ethylbenzene	<0.000990	U	0.000990	0.000301	mg/Kg		06/10/25 10:57	06/10/25 13:06	1
m,p-Xylenes	<0.00198	U	0.00198	0.000429	mg/Kg		06/10/25 10:57	06/10/25 13:06	1
o-Xylene	<0.000990	U	0.000990	0.000313	mg/Kg		06/10/25 10:57	06/10/25 13:06	1

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### Client Sample Results

Client: Tasman Geosciences Inc  
Project/Site: Yada C

Job ID: 890-8267-1  
SDG: 8871

Client Sample ID: HA-3 @ 0.5

Lab Sample ID: 890-8267-7

Date Collected: 06/02/25 09:52

Matrix: Solid

Date Received: 06/04/25 12:27

**Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	<0.00198	U	0.00198	0.000429	mg/Kg		06/10/25 10:57	06/10/25 13:06	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
1,2-Dichloroethane-d4 (Surr)	91		56 - 150				06/10/25 10:57	06/10/25 13:06	1
4-Bromofluorobenzene (Surr)	96		68 - 152				06/10/25 10:57	06/10/25 13:06	1
Dibromofluoromethane (Surr)	113		53 - 142				06/10/25 10:57	06/10/25 13:06	1
Toluene-d8 (Surr)	95		70 - 130				06/10/25 10:57	06/10/25 13:06	1

**Method: TAL SOP Total BTEX - Total BTEX Calculation**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00198	U	0.00198	0.000429	mg/Kg			06/10/25 13:06	1

**Method: TCEQ TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C12 Range Hydrocarbons	<50.0	U	50.0	25.0	mg/Kg		06/10/25 07:16	06/10/25 18:57	1
>C12-C28 Range Hydrocarbons	<50.0	U	50.0	25.0	mg/Kg		06/10/25 07:16	06/10/25 18:57	1
>C28-C35 Range Hydrocarbons	<50.0	U	50.0	25.0	mg/Kg		06/10/25 07:16	06/10/25 18:57	1
Total Petroleum Hydrocarbons (C6-C35)	<50.0	U	50.0	25.0	mg/Kg			06/10/25 18:57	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
1-Chlorooctane (Surr)	95		70 - 130				06/10/25 07:16	06/10/25 18:57	1
o-Terphenyl (Surr)	106		70 - 130				06/10/25 07:16	06/10/25 18:57	1

**Method: EPA 300.0 - Anions, Ion Chromatography**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3880		9.21	4.60	mg/Kg		06/10/25 15:10	06/10/25 22:02	1

Client Sample ID: HA-3 @ 1.5

Lab Sample ID: 890-8267-9

Date Collected: 06/02/25 09:55

Matrix: Solid

Date Received: 06/04/25 12:27

**Method: SW846 8260D - Volatile Organic Compounds by GC/MS**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00100	U	0.00100	0.000383	mg/Kg		06/06/25 10:14	06/06/25 13:46	1
Toluene	<0.00501	U	0.00501	0.00121	mg/Kg		06/06/25 10:14	06/06/25 13:46	1
Ethylbenzene	<0.00100	U	0.00100	0.000305	mg/Kg		06/06/25 10:14	06/06/25 13:46	1
m,p-Xylenes	<0.00200	U	0.00200	0.000434	mg/Kg		06/06/25 10:14	06/06/25 13:46	1
o-Xylene	<0.00100	U	0.00100	0.000317	mg/Kg		06/06/25 10:14	06/06/25 13:46	1
Xylenes, Total	<0.00200	U	0.00200	0.000434	mg/Kg		06/06/25 10:14	06/06/25 13:46	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
1,2-Dichloroethane-d4 (Surr)	115		56 - 150				06/06/25 10:14	06/06/25 13:46	1
4-Bromofluorobenzene (Surr)	111		68 - 152				06/06/25 10:14	06/06/25 13:46	1
Dibromofluoromethane (Surr)	113		53 - 142				06/06/25 10:14	06/06/25 13:46	1
Toluene-d8 (Surr)	105		70 - 130				06/06/25 10:14	06/06/25 13:46	1

**Method: TAL SOP Total BTEX - Total BTEX Calculation**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00200	U	0.00200	0.000434	mg/Kg			06/06/25 13:46	1

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### Client Sample Results

Client: Tasman Geosciences Inc  
 Project/Site: Yada C

Job ID: 890-8267-1  
 SDG: 8871

**Client Sample ID: HA-3 @ 1.5**

**Lab Sample ID: 890-8267-9**

Date Collected: 06/02/25 09:55

Matrix: Solid

Date Received: 06/04/25 12:27

**Method: TCEQ TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C12 Range Hydrocarbons	<49.1	U	49.1	24.5	mg/Kg		06/09/25 14:16	06/10/25 13:17	1
>C12-C28 Range Hydrocarbons	<49.1	U	49.1	24.5	mg/Kg		06/09/25 14:16	06/10/25 13:17	1
>C28-C35 Range Hydrocarbons	<49.1	U	49.1	24.5	mg/Kg		06/09/25 14:16	06/10/25 13:17	1
Total Petroleum Hydrocarbons (C6-C35)	<49.1	U	49.1	24.5	mg/Kg			06/10/25 13:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	106		70 - 130	06/09/25 14:16	06/10/25 13:17	1
o-Terphenyl (Surr)	104		70 - 130	06/09/25 14:16	06/10/25 13:17	1

**Method: EPA 300.0 - Anions, Ion Chromatography**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	530		9.77	4.88	mg/Kg		06/05/25 11:58	06/06/25 11:12	1

## Surrogate Summary

Client: Tasman Geosciences Inc  
Project/Site: Yada C

Job ID: 890-8267-1  
SDG: 8871

## Method: 8260D - Volatile Organic Compounds by GC/MS

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCA (56-150)	BFB (68-152)	DBFM (53-142)	TOL (70-130)
890-8267-1	HA-1 @ 0.5	98	101	115	96
890-8267-3	HA-1 @ 1.5	114	113	110	106
890-8267-4	HA-2 @ 0.5	93	97	113	99
890-8267-6	HA-2 @ 1.5	116	111	113	104
890-8267-7	HA-3 @ 0.5	91	96	113	95
890-8267-9	HA-3 @ 1.5	115	111	113	105
LCS 860-240667/3	Lab Control Sample	115	116	112	108
LCS 860-241359/3	Lab Control Sample	95	105	109	103
LCSD 860-240667/4	Lab Control Sample Dup	111	113	113	107
LCSD 860-241359/4	Lab Control Sample Dup	108	109	116	103
MB 860-240667/8	Method Blank	119	114	111	105
MB 860-241359/7	Method Blank	99	102	118	98

**Surrogate Legend**

DCA = 1,2-Dichloroethane-d4 (Surr)  
BFB = 4-Bromofluorobenzene (Surr)  
DBFM = Dibromofluoromethane (Surr)  
TOL = Toluene-d8 (Surr)

## Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		1CO (70-130)	OTPH (70-130)
890-8267-1	HA-1 @ 0.5	106	118
890-8267-3	HA-1 @ 1.5	107	103
890-8267-4	HA-2 @ 0.5	105	116
890-8267-6	HA-2 @ 1.5	111	102
890-8267-7	HA-3 @ 0.5	95	106
890-8267-9	HA-3 @ 1.5	106	104
LCS 860-241189/2-A	Lab Control Sample	115	107
LCS 860-241189/2-A	Lab Control Sample	115	90
LCS 860-241309/2-A	Lab Control Sample	116	106
LCSD 860-241189/3-A	Lab Control Sample Dup	125	119
LCSD 860-241189/3-A	Lab Control Sample Dup	119	93
LCSD 860-241309/3-A	Lab Control Sample Dup	112	100
MB 860-241189/1-A	Method Blank	90	87
MB 860-241309/1-A	Method Blank	87	96

**Surrogate Legend**

1CO = 1-Chlorooctane (Surr)  
OTPH = o-Terphenyl (Surr)

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### QC Sample Results

Client: Tasman Geosciences Inc  
Project/Site: Yada C

Job ID: 890-8267-1  
SDG: 8871

#### Method: 8260D - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 860-240667/8  
Matrix: Solid  
Analysis Batch: 240667

Client Sample ID: Method Blank  
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00100	U	0.00100	0.000383	mg/Kg			06/06/25 12:05	1
Toluene	<0.00500	U	0.00500	0.00121	mg/Kg			06/06/25 12:05	1
Ethylbenzene	<0.00100	U	0.00100	0.000304	mg/Kg			06/06/25 12:05	1
m,p-Xylenes	<0.00200	U	0.00200	0.000433	mg/Kg			06/06/25 12:05	1
o-Xylene	<0.00100	U	0.00100	0.000316	mg/Kg			06/06/25 12:05	1
Xylenes, Total	<0.00200	U	0.00200	0.000433	mg/Kg			06/06/25 12:05	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	119		56 - 150		06/06/25 12:05	1
4-Bromofluorobenzene (Surr)	114		68 - 152		06/06/25 12:05	1
Dibromofluoromethane (Surr)	111		53 - 142		06/06/25 12:05	1
Toluene-d8 (Surr)	105		70 - 130		06/06/25 12:05	1

Lab Sample ID: LCS 860-240667/3  
Matrix: Solid  
Analysis Batch: 240667

Client Sample ID: Lab Control Sample  
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.0500	0.05012		mg/Kg		100	66 - 142
Toluene	0.0500	0.04900		mg/Kg		98	74 - 130
Ethylbenzene	0.0500	0.05100		mg/Kg		102	80 - 130
m,p-Xylenes	0.0500	0.05035		mg/Kg		101	78 - 130
o-Xylene	0.0500	0.05097		mg/Kg		102	79 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	115		56 - 150
4-Bromofluorobenzene (Surr)	116		68 - 152
Dibromofluoromethane (Surr)	112		53 - 142
Toluene-d8 (Surr)	108		70 - 130

Lab Sample ID: LCSD 860-240667/4  
Matrix: Solid  
Analysis Batch: 240667

Client Sample ID: Lab Control Sample Dup  
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.0500	0.04409		mg/Kg		88	66 - 142	13	25
Toluene	0.0500	0.04296		mg/Kg		86	74 - 130	13	25
Ethylbenzene	0.0500	0.04614		mg/Kg		92	80 - 130	10	25
m,p-Xylenes	0.0500	0.04450		mg/Kg		89	78 - 130	12	25
o-Xylene	0.0500	0.04568		mg/Kg		91	79 - 130	11	25

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	111		56 - 150
4-Bromofluorobenzene (Surr)	113		68 - 152
Dibromofluoromethane (Surr)	113		53 - 142
Toluene-d8 (Surr)	107		70 - 130

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### QC Sample Results

Client: Tasman Geosciences Inc  
Project/Site: Yada C

Job ID: 890-8267-1  
SDG: 8871

#### Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 860-241359/7  
Matrix: Solid  
Analysis Batch: 241359

Client Sample ID: Method Blank  
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00100	U	0.00100	0.000383	mg/Kg			06/10/25 12:04	1
Toluene	<0.00500	U	0.00500	0.00121	mg/Kg			06/10/25 12:04	1
Ethylbenzene	<0.00100	U	0.00100	0.000304	mg/Kg			06/10/25 12:04	1
m,p-Xylenes	<0.00200	U	0.00200	0.000433	mg/Kg			06/10/25 12:04	1
o-Xylene	<0.00100	U	0.00100	0.000316	mg/Kg			06/10/25 12:04	1
Xylenes, Total	<0.00200	U	0.00200	0.000433	mg/Kg			06/10/25 12:04	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		56 - 150		06/10/25 12:04	1
4-Bromofluorobenzene (Surr)	102		68 - 152		06/10/25 12:04	1
Dibromofluoromethane (Surr)	118		53 - 142		06/10/25 12:04	1
Toluene-d8 (Surr)	98		70 - 130		06/10/25 12:04	1

Lab Sample ID: LCS 860-241359/3  
Matrix: Solid  
Analysis Batch: 241359

Client Sample ID: Lab Control Sample  
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.0500	0.04599		mg/Kg		92	66 - 142
Toluene	0.0500	0.04935		mg/Kg		99	74 - 130
Ethylbenzene	0.0500	0.04870		mg/Kg		97	80 - 130
m,p-Xylenes	0.0500	0.04590		mg/Kg		92	78 - 130
o-Xylene	0.0500	0.04562		mg/Kg		91	79 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	95		56 - 150
4-Bromofluorobenzene (Surr)	105		68 - 152
Dibromofluoromethane (Surr)	109		53 - 142
Toluene-d8 (Surr)	103		70 - 130

Lab Sample ID: LCSD 860-241359/4  
Matrix: Solid  
Analysis Batch: 241359

Client Sample ID: Lab Control Sample Dup  
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.0500	0.05514		mg/Kg		110	66 - 142	18	25
Toluene	0.0500	0.05836		mg/Kg		117	74 - 130	17	25
Ethylbenzene	0.0500	0.05716		mg/Kg		114	80 - 130	16	25
m,p-Xylenes	0.0500	0.05378		mg/Kg		108	78 - 130	16	25
o-Xylene	0.0500	0.05234		mg/Kg		105	79 - 130	14	25

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	108		56 - 150
4-Bromofluorobenzene (Surr)	109		68 - 152
Dibromofluoromethane (Surr)	116		53 - 142
Toluene-d8 (Surr)	103		70 - 130

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### QC Sample Results

Client: Tasman Geosciences Inc  
Project/Site: Yada C

Job ID: 890-8267-1  
SDG: 8871

#### Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

Lab Sample ID: MB 860-241189/1-A  
Matrix: Solid  
Analysis Batch: 241291

Client Sample ID: Method Blank  
Prep Type: Total/NA  
Prep Batch: 241189

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
C6-C12 Range Hydrocarbons	<50.0	U	50.0	25.0	mg/Kg		06/09/25 14:13	06/10/25 12:47	1
>C12-C28 Range Hydrocarbons	<50.0	U	50.0	25.0	mg/Kg		06/09/25 14:13	06/10/25 12:47	1
>C28-C35 Range Hydrocarbons	<50.0	U	50.0	25.0	mg/Kg		06/09/25 14:13	06/10/25 12:47	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1-Chlorooctane (Surr)	90		70 - 130	06/09/25 14:13	06/10/25 12:47	1
o-Terphenyl (Surr)	87		70 - 130	06/09/25 14:13	06/10/25 12:47	1

Lab Sample ID: LCS 860-241189/2-A  
Matrix: Solid  
Analysis Batch: 241025

Client Sample ID: Lab Control Sample  
Prep Type: Total/NA  
Prep Batch: 241189

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec Limits
		Result	Qualifier				
C6-C12 Range Hydrocarbons	999	988.6		mg/Kg		99	75 - 125
>C12-C28 Range Hydrocarbons	1000	973.7		mg/Kg		97	75 - 125

Surrogate	LCS	LCS	Limits
	%Recovery	Qualifier	
1-Chlorooctane (Surr)	115		70 - 130
o-Terphenyl (Surr)	107		70 - 130

Lab Sample ID: LCS 860-241189/2-A  
Matrix: Solid  
Analysis Batch: 241291

Client Sample ID: Lab Control Sample  
Prep Type: Total/NA  
Prep Batch: 241189

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec Limits
		Result	Qualifier				
C6-C12 Range Hydrocarbons	999	1068		mg/Kg		107	75 - 125
>C12-C28 Range Hydrocarbons	1000	1088		mg/Kg		109	75 - 125

Surrogate	LCS	LCS	Limits
	%Recovery	Qualifier	
1-Chlorooctane (Surr)	115		70 - 130
o-Terphenyl (Surr)	90		70 - 130

Lab Sample ID: LCSD 860-241189/3-A  
Matrix: Solid  
Analysis Batch: 241025

Client Sample ID: Lab Control Sample Dup  
Prep Type: Total/NA  
Prep Batch: 241189

Analyte	Spike Added	LCSD	LCSD	Unit	D	%Rec	%Rec Limits	RPD	RPD
		Result	Qualifier					RPD	Limit
C6-C12 Range Hydrocarbons	999	1053		mg/Kg		105	75 - 125	6	20
>C12-C28 Range Hydrocarbons	1000	1045		mg/Kg		105	75 - 125	7	20

Surrogate	LCSD	LCSD	Limits
	%Recovery	Qualifier	
1-Chlorooctane (Surr)	125		70 - 130
o-Terphenyl (Surr)	119		70 - 130

### QC Sample Results

Client: Tasman Geosciences Inc  
 Project/Site: Yada C

Job ID: 890-8267-1  
 SDG: 8871

#### Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC) (Continued)

**Lab Sample ID: LCSD 860-241189/3-A**  
**Matrix: Solid**  
**Analysis Batch: 241291**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total/NA**  
**Prep Batch: 241189**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits		RPD	
							RPD	Limit		
C6-C12 Range Hydrocarbons	999	1087		mg/Kg		109	75 - 125	2	20	
>C12-C28 Range Hydrocarbons	1000	1072		mg/Kg		107	75 - 125	1	20	
		<b>LCSD</b>	<b>LCSD</b>							
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>							
1-Chlorooctane (Surr)	119		70 - 130							
o-Terphenyl (Surr)	93		70 - 130							

**Lab Sample ID: MB 860-241309/1-A**  
**Matrix: Solid**  
**Analysis Batch: 241335**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 241309**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
										C6-C12 Range Hydrocarbons
>C12-C28 Range Hydrocarbons	<50.0	U	50.0	25.0	mg/Kg		06/10/25 07:16	06/10/25 11:20	1	
>C28-C35 Range Hydrocarbons	<50.0	U	50.0	25.0	mg/Kg		06/10/25 07:16	06/10/25 11:20	1	
		<b>MB</b>	<b>MB</b>							
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>			<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>		
1-Chlorooctane (Surr)	87		70 - 130			06/10/25 07:16	06/10/25 11:20	1		
o-Terphenyl (Surr)	96		70 - 130			06/10/25 07:16	06/10/25 11:20	1		

**Lab Sample ID: LCS 860-241309/2-A**  
**Matrix: Solid**  
**Analysis Batch: 241335**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 241309**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
							RPD	Limit	
C6-C12 Range Hydrocarbons	999	939.6		mg/Kg		94	75 - 125		
>C12-C28 Range Hydrocarbons	1000	952.4		mg/Kg		95	75 - 125		
		<b>LCS</b>	<b>LCS</b>						
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>						
1-Chlorooctane (Surr)	116		70 - 130						
o-Terphenyl (Surr)	106		70 - 130						

**Lab Sample ID: LCSD 860-241309/3-A**  
**Matrix: Solid**  
**Analysis Batch: 241335**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total/NA**  
**Prep Batch: 241309**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits		RPD	
							RPD	Limit		
C6-C12 Range Hydrocarbons	999	941.4		mg/Kg		94	75 - 125	0	20	
>C12-C28 Range Hydrocarbons	1000	966.3		mg/Kg		97	75 - 125	1	20	
		<b>LCSD</b>	<b>LCSD</b>							
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>							
1-Chlorooctane (Surr)	112		70 - 130							
o-Terphenyl (Surr)	100		70 - 130							

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### QC Sample Results

Client: Tasman Geosciences Inc  
 Project/Site: Yada C

Job ID: 890-8267-1  
 SDG: 8871

#### Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 860-240443/1-A  
 Matrix: Solid  
 Analysis Batch: 240409

Client Sample ID: Method Blank  
 Prep Type: Total/NA  
 Prep Batch: 240443

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0	5.00	mg/Kg		06/05/25 11:58	06/06/25 01:48	1

Lab Sample ID: LCS 860-240443/2-A  
 Matrix: Solid  
 Analysis Batch: 240409

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA  
 Prep Batch: 240443

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	100	95.01		mg/Kg		95	90 - 110

Lab Sample ID: LCSD 860-240443/3-A  
 Matrix: Solid  
 Analysis Batch: 240409

Client Sample ID: Lab Control Sample Dup  
 Prep Type: Total/NA  
 Prep Batch: 240443

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	100	90.48		mg/Kg		90	90 - 110	5	20

Lab Sample ID: 890-8267-6 MS  
 Matrix: Solid  
 Analysis Batch: 240409

Client Sample ID: HA-2 @ 1.5  
 Prep Type: Total/NA  
 Prep Batch: 240443

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	1190		96.0	1281	4	mg/Kg		99	90 - 110

Lab Sample ID: 890-8267-6 MSD  
 Matrix: Solid  
 Analysis Batch: 240409

Client Sample ID: HA-2 @ 1.5  
 Prep Type: Total/NA  
 Prep Batch: 240443

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	1190		96.0	1282	4	mg/Kg		100	90 - 110	0	15

Lab Sample ID: MB 860-241498/1-A  
 Matrix: Solid  
 Analysis Batch: 241390

Client Sample ID: Method Blank  
 Prep Type: Total/NA  
 Prep Batch: 241498

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0	5.00	mg/Kg		06/10/25 15:10	06/10/25 17:29	1

Lab Sample ID: LCS 860-241498/2-A  
 Matrix: Solid  
 Analysis Batch: 241390

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA  
 Prep Batch: 241498

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	100	99.20		mg/Kg		99	90 - 110

Lab Sample ID: LCSD 860-241498/3-A  
 Matrix: Solid  
 Analysis Batch: 241390

Client Sample ID: Lab Control Sample Dup  
 Prep Type: Total/NA  
 Prep Batch: 241498

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	100	98.76		mg/Kg		99	90 - 110	0	20

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### QC Association Summary

Client: Tasman Geosciences Inc  
 Project/Site: Yada C

Job ID: 890-8267-1  
 SDG: 8871

#### GC/MS VOA

##### Analysis Batch: 240667

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8267-3	HA-1 @ 1.5	Total/NA	Solid	8260D	240689
890-8267-6	HA-2 @ 1.5	Total/NA	Solid	8260D	240689
890-8267-9	HA-3 @ 1.5	Total/NA	Solid	8260D	240689
MB 860-240667/8	Method Blank	Total/NA	Solid	8260D	
LCS 860-240667/3	Lab Control Sample	Total/NA	Solid	8260D	
LCSD 860-240667/4	Lab Control Sample Dup	Total/NA	Solid	8260D	

##### Prep Batch: 240689

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8267-3	HA-1 @ 1.5	Total/NA	Solid	5035	
890-8267-6	HA-2 @ 1.5	Total/NA	Solid	5035	
890-8267-9	HA-3 @ 1.5	Total/NA	Solid	5035	

##### Analysis Batch: 240909

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8267-1	HA-1 @ 0.5	Total/NA	Solid	Total BTEX	
890-8267-3	HA-1 @ 1.5	Total/NA	Solid	Total BTEX	
890-8267-4	HA-2 @ 0.5	Total/NA	Solid	Total BTEX	
890-8267-6	HA-2 @ 1.5	Total/NA	Solid	Total BTEX	
890-8267-7	HA-3 @ 0.5	Total/NA	Solid	Total BTEX	
890-8267-9	HA-3 @ 1.5	Total/NA	Solid	Total BTEX	

##### Analysis Batch: 241359

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8267-1	HA-1 @ 0.5	Total/NA	Solid	8260D	241392
890-8267-4	HA-2 @ 0.5	Total/NA	Solid	8260D	241392
890-8267-7	HA-3 @ 0.5	Total/NA	Solid	8260D	241392
MB 860-241359/7	Method Blank	Total/NA	Solid	8260D	
LCS 860-241359/3	Lab Control Sample	Total/NA	Solid	8260D	
LCSD 860-241359/4	Lab Control Sample Dup	Total/NA	Solid	8260D	

##### Prep Batch: 241392

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8267-1	HA-1 @ 0.5	Total/NA	Solid	5035	
890-8267-4	HA-2 @ 0.5	Total/NA	Solid	5035	
890-8267-7	HA-3 @ 0.5	Total/NA	Solid	5035	

#### GC Semi VOA

##### Analysis Batch: 241025

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 860-241189/2-A	Lab Control Sample	Total/NA	Solid	TX 1005	241189
LCSD 860-241189/3-A	Lab Control Sample Dup	Total/NA	Solid	TX 1005	241189

##### Prep Batch: 241189

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8267-3	HA-1 @ 1.5	Total/NA	Solid	TX_1005_S_Pre p	
890-8267-6	HA-2 @ 1.5	Total/NA	Solid	TX_1005_S_Pre p	
890-8267-9	HA-3 @ 1.5	Total/NA	Solid	TX_1005_S_Pre p	

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## QC Association Summary

Client: Tasman Geosciences Inc  
Project/Site: Yada CJob ID: 890-8267-1  
SDG: 8871

## GC Semi VOA (Continued)

## Prep Batch: 241189 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 860-241189/1-A	Method Blank	Total/NA	Solid	TX_1005_S_Pre p	
LCS 860-241189/2-A	Lab Control Sample	Total/NA	Solid	TX_1005_S_Pre p	
LCSD 860-241189/3-A	Lab Control Sample Dup	Total/NA	Solid	TX_1005_S_Pre p	

## Analysis Batch: 241291

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8267-3	HA-1 @ 1.5	Total/NA	Solid	TX 1005	241189
890-8267-6	HA-2 @ 1.5	Total/NA	Solid	TX 1005	241189
890-8267-9	HA-3 @ 1.5	Total/NA	Solid	TX 1005	241189
MB 860-241189/1-A	Method Blank	Total/NA	Solid	TX 1005	241189
LCS 860-241189/2-A	Lab Control Sample	Total/NA	Solid	TX 1005	241189
LCSD 860-241189/3-A	Lab Control Sample Dup	Total/NA	Solid	TX 1005	241189

## Prep Batch: 241309

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8267-1	HA-1 @ 0.5	Total/NA	Solid	TX_1005_S_Pre p	
890-8267-4	HA-2 @ 0.5	Total/NA	Solid	TX_1005_S_Pre p	
890-8267-7	HA-3 @ 0.5	Total/NA	Solid	TX_1005_S_Pre p	
MB 860-241309/1-A	Method Blank	Total/NA	Solid	TX_1005_S_Pre p	
LCS 860-241309/2-A	Lab Control Sample	Total/NA	Solid	TX_1005_S_Pre p	
LCSD 860-241309/3-A	Lab Control Sample Dup	Total/NA	Solid	TX_1005_S_Pre p	

## Analysis Batch: 241335

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8267-1	HA-1 @ 0.5	Total/NA	Solid	TX 1005	241309
890-8267-4	HA-2 @ 0.5	Total/NA	Solid	TX 1005	241309
890-8267-7	HA-3 @ 0.5	Total/NA	Solid	TX 1005	241309
MB 860-241309/1-A	Method Blank	Total/NA	Solid	TX 1005	241309
LCS 860-241309/2-A	Lab Control Sample	Total/NA	Solid	TX 1005	241309
LCSD 860-241309/3-A	Lab Control Sample Dup	Total/NA	Solid	TX 1005	241309

## Analysis Batch: 241578

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8267-1	HA-1 @ 0.5	Total/NA	Solid	TX 1005	
890-8267-3	HA-1 @ 1.5	Total/NA	Solid	TX 1005	
890-8267-4	HA-2 @ 0.5	Total/NA	Solid	TX 1005	
890-8267-6	HA-2 @ 1.5	Total/NA	Solid	TX 1005	
890-8267-7	HA-3 @ 0.5	Total/NA	Solid	TX 1005	
890-8267-9	HA-3 @ 1.5	Total/NA	Solid	TX 1005	

## HPLC/IC

## Analysis Batch: 240409

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8267-3	HA-1 @ 1.5	Total/NA	Solid	300.0	240443

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## QC Association Summary

Client: Tasman Geosciences Inc  
Project/Site: Yada CJob ID: 890-8267-1  
SDG: 8871

## HPLC/IC (Continued)

## Analysis Batch: 240409 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8267-6	HA-2 @ 1.5	Total/NA	Solid	300.0	240443
890-8267-9	HA-3 @ 1.5	Total/NA	Solid	300.0	240443
MB 860-240443/1-A	Method Blank	Total/NA	Solid	300.0	240443
LCS 860-240443/2-A	Lab Control Sample	Total/NA	Solid	300.0	240443
LCSD 860-240443/3-A	Lab Control Sample Dup	Total/NA	Solid	300.0	240443
890-8267-6 MS	HA-2 @ 1.5	Total/NA	Solid	300.0	240443
890-8267-6 MSD	HA-2 @ 1.5	Total/NA	Solid	300.0	240443

## Prep Batch: 240443

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8267-3	HA-1 @ 1.5	Total/NA	Solid	300_Prep	
890-8267-6	HA-2 @ 1.5	Total/NA	Solid	300_Prep	
890-8267-9	HA-3 @ 1.5	Total/NA	Solid	300_Prep	
MB 860-240443/1-A	Method Blank	Total/NA	Solid	300_Prep	
LCS 860-240443/2-A	Lab Control Sample	Total/NA	Solid	300_Prep	
LCSD 860-240443/3-A	Lab Control Sample Dup	Total/NA	Solid	300_Prep	
890-8267-6 MS	HA-2 @ 1.5	Total/NA	Solid	300_Prep	
890-8267-6 MSD	HA-2 @ 1.5	Total/NA	Solid	300_Prep	

## Analysis Batch: 241390

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8267-1	HA-1 @ 0.5	Total/NA	Solid	300.0	241498
890-8267-4	HA-2 @ 0.5	Total/NA	Solid	300.0	241498
890-8267-7	HA-3 @ 0.5	Total/NA	Solid	300.0	241498
MB 860-241498/1-A	Method Blank	Total/NA	Solid	300.0	241498
LCS 860-241498/2-A	Lab Control Sample	Total/NA	Solid	300.0	241498
LCSD 860-241498/3-A	Lab Control Sample Dup	Total/NA	Solid	300.0	241498

## Prep Batch: 241498

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8267-1	HA-1 @ 0.5	Total/NA	Solid	300_Prep	
890-8267-4	HA-2 @ 0.5	Total/NA	Solid	300_Prep	
890-8267-7	HA-3 @ 0.5	Total/NA	Solid	300_Prep	
MB 860-241498/1-A	Method Blank	Total/NA	Solid	300_Prep	
LCS 860-241498/2-A	Lab Control Sample	Total/NA	Solid	300_Prep	
LCSD 860-241498/3-A	Lab Control Sample Dup	Total/NA	Solid	300_Prep	

### Lab Chronicle

Client: Tasman Geosciences Inc  
Project/Site: Yada C

Job ID: 890-8267-1  
SDG: 8871

**Client Sample ID: HA-1 @ 0.5**

**Lab Sample ID: 890-8267-1**

Date Collected: 06/02/25 09:58

Matrix: Solid

Date Received: 06/04/25 12:27

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	241392	06/10/25 10:57	MS	EET HOU
Total/NA	Analysis	8260D		1	5 mL	5 mL	241359	06/10/25 12:25	MTMG	EET HOU
Total/NA	Analysis	Total BTEX		1			240909	06/10/25 12:25	RJT	EET HOU
Total/NA	Analysis	TX 1005		1			241578	06/10/25 19:28	RJT	EET HOU
Total/NA	Prep	TX_1005_S_Prep			10.03 g	10 mL	241309	06/10/25 09:18	TH	EET HOU
Total/NA	Analysis	TX 1005		1			241335	06/10/25 19:28	IS	EET HOU
Total/NA	Prep	300_Prep			5.28 g	50 mL	241498	06/10/25 15:10	JC	EET HOU
Total/NA	Analysis	300.0		1			241390	06/10/25 21:17	WP	EET HOU

**Client Sample ID: HA-1 @ 1.5**

**Lab Sample ID: 890-8267-3**

Date Collected: 06/02/25 10:01

Matrix: Solid

Date Received: 06/04/25 12:27

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	240689	06/06/25 10:14	MTMG	EET HOU
Total/NA	Analysis	8260D		1	5 mL	5 mL	240667	06/06/25 12:56	MTMG	EET HOU
Total/NA	Analysis	Total BTEX		1			240909	06/06/25 12:56	RJT	EET HOU
Total/NA	Prep	TX_1005_S_Prep			10.08 g	10 mL	241189	06/09/25 14:13	IS	EET HOU
Total/NA	Analysis	TX 1005		1			241291	06/10/25 13:02	TH	EET HOU
Total/NA	Analysis	TX 1005		1			241578	06/10/25 13:02	RJT	EET HOU
Total/NA	Prep	300_Prep			5.01 g	50 mL	240443	06/05/25 11:58	JC	EET HOU
Total/NA	Analysis	300.0		1			240409	06/06/25 04:12	WP	EET HOU

**Client Sample ID: HA-2 @ 0.5**

**Lab Sample ID: 890-8267-4**

Date Collected: 06/02/25 10:11

Matrix: Solid

Date Received: 06/04/25 12:27

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	241392	06/10/25 10:57	MS	EET HOU
Total/NA	Analysis	8260D		1	5 mL	5 mL	241359	06/10/25 12:46	MTMG	EET HOU
Total/NA	Analysis	Total BTEX		1			240909	06/10/25 12:46	RJT	EET HOU
Total/NA	Analysis	TX 1005		1			241578	06/10/25 19:12	RJT	EET HOU
Total/NA	Prep	TX_1005_S_Prep			10.05 g	10 mL	241309	06/10/25 07:16	TH	EET HOU
Total/NA	Analysis	TX 1005		1			241335	06/10/25 19:12	IS	EET HOU
Total/NA	Prep	300_Prep			5.07 g	50 mL	241498	06/10/25 15:10	JC	EET HOU
Total/NA	Analysis	300.0		10			241390	06/10/25 21:54	WP	EET HOU

**Client Sample ID: HA-2 @ 1.5**

**Lab Sample ID: 890-8267-6**

Date Collected: 06/02/25 10:14

Matrix: Solid

Date Received: 06/04/25 12:27

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	240689	06/06/25 10:14	MTMG	EET HOU
Total/NA	Analysis	8260D		1	5 mL	5 mL	240667	06/06/25 13:21	MTMG	EET HOU
Total/NA	Analysis	Total BTEX		1			240909	06/06/25 13:21	RJT	EET HOU

Eurofins Carlsbad

### Lab Chronicle

Client: Tasman Geosciences Inc  
 Project/Site: Yada C

Job ID: 890-8267-1  
 SDG: 8871

**Client Sample ID: HA-2 @ 1.5**

**Lab Sample ID: 890-8267-6**

Date Collected: 06/02/25 10:14

Matrix: Solid

Date Received: 06/04/25 12:27

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	TX_1005_S_Prep			10.05 g	10 mL	241189	06/09/25 14:13	IS	EET HOU
Total/NA	Analysis	TX 1005		1			241291	06/10/25 13:31	TH	EET HOU
Total/NA	Analysis	TX 1005		1			241578	06/10/25 13:31	RJT	EET HOU
Total/NA	Prep	300_Prep			5.21 g	50 mL	240443	06/05/25 11:58	JC	EET HOU
Total/NA	Analysis	300.0		1			240409	06/06/25 04:29	WP	EET HOU

**Client Sample ID: HA-3 @ 0.5**

**Lab Sample ID: 890-8267-7**

Date Collected: 06/02/25 09:52

Matrix: Solid

Date Received: 06/04/25 12:27

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	241392	06/10/25 10:57	MS	EET HOU
Total/NA	Analysis	8260D		1	5 mL	5 mL	241359	06/10/25 13:06	MTMG	EET HOU
Total/NA	Analysis	Total BTEX		1			240909	06/10/25 13:06	RJT	EET HOU
Total/NA	Analysis	TX 1005		1			241578	06/10/25 18:57	RJT	EET HOU
Total/NA	Prep	TX_1005_S_Prep			10.01 g	10 mL	241309	06/10/25 07:16	TH	EET HOU
Total/NA	Analysis	TX 1005		1			241335	06/10/25 18:57	IS	EET HOU
Total/NA	Prep	300_Prep			5.43 g	50 mL	241498	06/10/25 15:10	JC	EET HOU
Total/NA	Analysis	300.0		1			241390	06/10/25 22:02	WP	EET HOU

**Client Sample ID: HA-3 @ 1.5**

**Lab Sample ID: 890-8267-9**

Date Collected: 06/02/25 09:55

Matrix: Solid

Date Received: 06/04/25 12:27

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	240689	06/06/25 10:14	MTMG	EET HOU
Total/NA	Analysis	8260D		1	5 mL	5 mL	240667	06/06/25 13:46	MTMG	EET HOU
Total/NA	Analysis	Total BTEX		1			240909	06/06/25 13:46	RJT	EET HOU
Total/NA	Prep	TX_1005_S_Prep			10.19 g	10 mL	241189	06/09/25 14:16	IS	EET HOU
Total/NA	Analysis	TX 1005		1			241291	06/10/25 13:17	TH	EET HOU
Total/NA	Analysis	TX 1005		1			241578	06/10/25 13:17	RJT	EET HOU
Total/NA	Prep	300_Prep			5.12 g	50 mL	240443	06/05/25 11:58	JC	EET HOU
Total/NA	Analysis	300.0		1			240409	06/06/25 11:12	WP	EET HOU

**Laboratory References:**

EET HOU = Eurofins Houston, 4145 Greenbriar Dr, Stafford, TX 77477, TEL (281)240-4200

### Accreditation/Certification Summary

Client: Tasman Geosciences Inc  
Project/Site: Yada C

Job ID: 890-8267-1  
SDG: 8871

#### Laboratory: Eurofins Houston

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Arkansas DEQ	State	88-00759	08-04-25
Florida	NELAP	E871002	06-30-25
Louisiana (All)	NELAP	03054	12-20-25
Oklahoma	NELAP	1306	08-31-25
Texas	NELAP	T104704215	07-01-26
Texas	TCEQ Water Supply	T104704215	12-28-25
USDA	US Federal Programs	525-23-79-79507	03-20-26

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### Method Summary

Client: Tasman Geosciences Inc  
Project/Site: Yada C

Job ID: 890-8267-1  
SDG: 8871

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	EET HOU
Total BTEX	Total BTEX Calculation	TAL SOP	EET HOU
TX 1005	Texas - Total Petroleum Hydrocarbon (GC)	TCEQ	EET HOU
300.0	Anions, Ion Chromatography	EPA	EET HOU
300_Prep	Anions, Ion Chromatography, 10% Wt/Vol	EPA	EET HOU
5035	Closed System Purge and Trap	SW846	EET HOU
TX_1005_S_Prep	Extraction - Texas Total petroleum Hyrdocarbons	TCEQ	EET HOU

**Protocol References:**

- EPA = US Environmental Protection Agency
- SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.
- TAL SOP = TestAmerica Laboratories, Standard Operating Procedure
- TCEQ = Texas Commission of Environmental Quality

**Laboratory References:**

- EET HOU = Eurofins Houston, 4145 Greenbriar Dr, Stafford, TX 77477, TEL (281)240-4200



### Sample Summary

Client: Tasman Geosciences Inc  
Project/Site: Yada C

Job ID: 890-8267-1  
SDG: 8871

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
890-8267-1	HA-1 @ 0.5	Solid	06/02/25 09:58	06/04/25 12:27
890-8267-3	HA-1 @ 1.5	Solid	06/02/25 10:01	06/04/25 12:27
890-8267-4	HA-2 @ 0.5	Solid	06/02/25 10:11	06/04/25 12:27
890-8267-6	HA-2 @ 1.5	Solid	06/02/25 10:14	06/04/25 12:27
890-8267-7	HA-3 @ 0.5	Solid	06/02/25 09:52	06/04/25 12:27
890-8267-9	HA-3 @ 1.5	Solid	06/02/25 09:55	06/04/25 12:27

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**Eurofins Carlsbad**  
 1089 N Canal St.  
 Carlsbad, NM 88220  
 Phone: 575-988-3199 Fax: 575-988-3199

**Chain of Custody Record**



**Client Information (Sub Contract Lab)**

Client Contact: **Sam** Phone: N/A  
 Shipping/Receiving: N/A  
 Company: Eurofins Environment Testing South Cent  
 Address: 4145 Greenbar Dr  
 City: Starford State Zip: TX, 77477  
 Phone: 281-240-4200 (Tel)  
 Email: N/A  
 Project Name: yada C  
 Project #: 88000278  
 Site: N/A  
 SSOV#: N/A

Sampler: N/A Lab P.M.: Kramer Jessica  
 Phone: N/A E-Mail: Jessica.Kramer@et.eurofins.com  
 Address: 4145 Greenbar Dr Due Date Requested: 6/10/2025  
 City: Starford TAT Requested (days): N/A  
 State Zip: TX, 77477  
 PO #: N/A  
 WOC #: N/A  
 Project #: 88000278  
 SSOV#: N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (Metal, Solid, Overhead, Br-Trawl, Ash)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	Analysis Requested	Total Number of containers	Special Instructions/Note:
HA-1 @ 0.5 (890-8267-1)	6/2/25	09:58	G	Solid	X	X	8260D/5035FP_Calc BTEX (Hold) Total_BTEX (Hold) TX_1005/TX_1005_S_Prep Standard List (Hold) TX_1005_Calc (Hold) 300_ORGFM_28D/300_Prep Chloride (Hold) 8260D/5035FP_Calc BTEX Total_BTEX TX_1005/TX_1005_S_Prep Standard List TX_1005_Calc 300_ORGFM_28D/300_Prep Chloride	1	
HA-1 @ 1 (890-8267-2)	6/2/25	10:00	G	Solid	X	X		1	
HA-1 @ 1.5 (890-8267-3)	6/2/25	10:01	G	Solid	X	X		1	
HA-2 @ 0.5 (890-8267-4)	6/2/25	10:11	G	Solid	X	X		1	
HA-2 @ 1 (890-8267-5)	6/2/25	10:12	G	Solid	X	X		1	
HA-2 @ 1.5 (890-8267-6)	6/2/25	10:14	G	Solid	X	X		1	
HA-3 @ 0.5 (890-8267-7)	6/2/25	09:52	G	Solid	X	X		1	
HA-3 @ 1 (890-8267-8)	6/2/25	09:53	G	Solid	X	X		1	
HA-3 @ 1.5 (890-8267-9)	6/2/25	09:55	G	Solid	X	X		1	

**Analysis Requested**

Accelerations Required (See note): NELAP Texas

Carrier Tracking No(s): N/A  
 State of Origin: Texas  
 COC No: 890-8265-1  
 Page: Page 1 of 2  
 Job #: 890-8267-1  
 Preservation Codes:

**Primary Deliverable Rank 2**

Empty Kit Relinquished by: **Sam** Date: 6/2/25  
 Relinquished by: **Sam** Date: 6/2/25  
 Relinquished by: **Sam** Date: 6/2/25  
 Custody Seals Intact:  Yes  No  
 Custody Seal No.:

**Possible Hazard Identification**

Unconfirmed

Deliverable Requested: I, II, III, IV Other (Specify)

Special Instructions/QC Requirements:

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)  
 Return To Client  Disposal By Lab  Archive For Months

**Method of Shipment**

Received by: **Sam** Date: 6/2/25  
 Received by: **Sam** Date: 6/2/25  
 Received by: **Sam** Date: 6/2/25  
 Cooler Temperature: **5000** °C and Other Remarks: **1-2**



ENV FORM 75

### Chain of Custody Record

#### Eurofins Carlsbad

1089 N Canal St.  
Carlsbad, NM 88220  
Phone: 575-988-3199 Fax: 575-988-3199

#### Client Information (Sub Contract Lab)

Client Contact: N/A  
Shipping/Receiving: N/A

Company: Eurofins Environment Testing South Cent

Address: 4145 Greenbriar Dr

City: Stafford

State Zip: TX, 77477

Phone: 281-240-4200(Tel)

Email: N/A

Project Name: Yada C

Site: N/A

SSOW#: N/A

Project #: 88000278

WO #: N/A

PO #: N/A

Due Date Requested: 6/10/2025

TAT Requested (days): N/A

Lab PM: Kramer Jessica

E-Mail: Jessica.Kramer@et.eurofins.com

Carrier/Trading No(s): N/A

State of Origin: Texas

Accreditations Required (See note): NELAP Texas

COG No: 890-8265.2

Page: Page 2 of 2

Job #: 890-8267-1

Preservation Codes:

Analysis Requested

Field Filtered Sample (Yes or No)

Perform MS/MSD (Yes or No)

8260D/6035FP Calc BTEX (Hold)

Total\_BTEX (Hold)

TX\_1005/TX\_1005\_S\_Prep Standard List (Hold)

TX\_1005\_Calc (Hold)

300\_ORGFM\_28D/300\_Prep Chloride (Hold)

8260D/6035FP\_Calc BTEX

Total\_BTEX

TX\_1005/TX\_1005\_S\_Prep Standard List

TX\_1005\_Calc

300\_ORGFM\_28D/300\_Prep Chloride

Total Number of containers

Special Instructions/Note:

HA-4 @ 0.5 (890-8267 10)

Sample Date: 6/2/25

Sample Time: 09:10 Central

Sample Type (C=Comp, G=grab)

Sample Matrix (Wet/Dry, Solid/Liquid, Other)

Preservation Code: G Solid

Field Filtered Sample (Yes or No)

Perform MS/MSD (Yes or No)

8260D/6035FP Calc BTEX (Hold)

Total\_BTEX (Hold)

TX\_1005/TX\_1005\_S\_Prep Standard List (Hold)

TX\_1005\_Calc (Hold)

300\_ORGFM\_28D/300\_Prep Chloride (Hold)

8260D/6035FP\_Calc BTEX

Total\_BTEX

TX\_1005/TX\_1005\_S\_Prep Standard List

TX\_1005\_Calc

300\_ORGFM\_28D/300\_Prep Chloride

Total Number of containers

Special Instructions/Note:

HA-4 @ 0.5 (890-8267 10)

Sample Date: 6/2/25

Sample Time: 09:10 Central

Sample Type (C=Comp, G=grab)

Sample Matrix (Wet/Dry, Solid/Liquid, Other)

Preservation Code: G Solid

Field Filtered Sample (Yes or No)

Perform MS/MSD (Yes or No)

8260D/6035FP Calc BTEX (Hold)

Total\_BTEX (Hold)

TX\_1005/TX\_1005\_S\_Prep Standard List (Hold)

TX\_1005\_Calc (Hold)

300\_ORGFM\_28D/300\_Prep Chloride (Hold)

8260D/6035FP\_Calc BTEX

Total\_BTEX

TX\_1005/TX\_1005\_S\_Prep Standard List

TX\_1005\_Calc

300\_ORGFM\_28D/300\_Prep Chloride

Total Number of containers

Special Instructions/Note:

HA-4 @ 0.5 (890-8267 10)

Sample Date: 6/2/25

Sample Time: 09:10 Central

Sample Type (C=Comp, G=grab)

Sample Matrix (Wet/Dry, Solid/Liquid, Other)

Preservation Code: G Solid

Field Filtered Sample (Yes or No)

Perform MS/MSD (Yes or No)

8260D/6035FP Calc BTEX (Hold)

Total\_BTEX (Hold)

TX\_1005/TX\_1005\_S\_Prep Standard List (Hold)

TX\_1005\_Calc (Hold)

300\_ORGFM\_28D/300\_Prep Chloride (Hold)

8260D/6035FP\_Calc BTEX

Total\_BTEX

TX\_1005/TX\_1005\_S\_Prep Standard List

TX\_1005\_Calc

300\_ORGFM\_28D/300\_Prep Chloride

Total Number of containers

Special Instructions/Note:

HA-4 @ 0.5 (890-8267 10)

Sample Date: 6/2/25

Sample Time: 09:10 Central

Sample Type (C=Comp, G=grab)

Sample Matrix (Wet/Dry, Solid/Liquid, Other)

Preservation Code: G Solid

Field Filtered Sample (Yes or No)

Perform MS/MSD (Yes or No)

8260D/6035FP Calc BTEX (Hold)

Total\_BTEX (Hold)

TX\_1005/TX\_1005\_S\_Prep Standard List (Hold)

TX\_1005\_Calc (Hold)

300\_ORGFM\_28D/300\_Prep Chloride (Hold)

8260D/6035FP\_Calc BTEX

Total\_BTEX

TX\_1005/TX\_1005\_S\_Prep Standard List

TX\_1005\_Calc

300\_ORGFM\_28D/300\_Prep Chloride

Total Number of containers

Special Instructions/Note:

HA-4 @ 0.5 (890-8267 10)

Sample Date: 6/2/25

Sample Time: 09:10 Central

Sample Type (C=Comp, G=grab)

Sample Matrix (Wet/Dry, Solid/Liquid, Other)

Preservation Code: G Solid

Field Filtered Sample (Yes or No)

Perform MS/MSD (Yes or No)

8260D/6035FP Calc BTEX (Hold)

Total\_BTEX (Hold)

TX\_1005/TX\_1005\_S\_Prep Standard List (Hold)

TX\_1005\_Calc (Hold)

300\_ORGFM\_28D/300\_Prep Chloride (Hold)

8260D/6035FP\_Calc BTEX

Total\_BTEX

TX\_1005/TX\_1005\_S\_Prep Standard List

TX\_1005\_Calc

300\_ORGFM\_28D/300\_Prep Chloride

Total Number of containers

Special Instructions/Note:

HA-4 @ 0.5 (890-8267 10)

Sample Date: 6/2/25

Sample Time: 09:10 Central

Sample Type (C=Comp, G=grab)

Sample Matrix (Wet/Dry, Solid/Liquid, Other)

Preservation Code: G Solid

Field Filtered Sample (Yes or No)

Perform MS/MSD (Yes or No)

8260D/6035FP Calc BTEX (Hold)

Total\_BTEX (Hold)

TX\_1005/TX\_1005\_S\_Prep Standard List (Hold)

TX\_1005\_Calc (Hold)

300\_ORGFM\_28D/300\_Prep Chloride (Hold)

8260D/6035FP\_Calc BTEX

Total\_BTEX

TX\_1005/TX\_1005\_S\_Prep Standard List

TX\_1005\_Calc

300\_ORGFM\_28D/300\_Prep Chloride

Total Number of containers

Special Instructions/Note:

HA-4 @ 0.5 (890-8267 10)

Sample Date: 6/2/25

Sample Time: 09:10 Central

Sample Type (C=Comp, G=grab)

Sample Matrix (Wet/Dry, Solid/Liquid, Other)

Preservation Code: G Solid

Field Filtered Sample (Yes or No)

Perform MS/MSD (Yes or No)

8260D/6035FP Calc BTEX (Hold)

Total\_BTEX (Hold)

TX\_1005/TX\_1005\_S\_Prep Standard List (Hold)

TX\_1005\_Calc (Hold)

300\_ORGFM\_28D/300\_Prep Chloride (Hold)

8260D/6035FP\_Calc BTEX

Total\_BTEX

TX\_1005/TX\_1005\_S\_Prep Standard List

TX\_1005\_Calc

300\_ORGFM\_28D/300\_Prep Chloride

Total Number of containers

Special Instructions/Note:

HA-4 @ 0.5 (890-8267 10)

Sample Date: 6/2/25

Sample Time: 09:10 Central

Sample Type (C=Comp, G=grab)

Sample Matrix (Wet/Dry, Solid/Liquid, Other)

Preservation Code: G Solid

Field Filtered Sample (Yes or No)

Perform MS/MSD (Yes or No)

8260D/6035FP Calc BTEX (Hold)

Total\_BTEX (Hold)

TX\_1005/TX\_1005\_S\_Prep Standard List (Hold)

TX\_1005\_Calc (Hold)

300\_ORGFM\_28D/300\_Prep Chloride (Hold)

8260D/6035FP\_Calc BTEX

Total\_BTEX

TX\_1005/TX\_1005\_S\_Prep Standard List

TX\_1005\_Calc

300\_ORGFM\_28D/300\_Prep Chloride

Total Number of containers

Special Instructions/Note:

HA-4 @ 0.5 (890-8267 10)

Sample Date: 6/2/25

Sample Time: 09:10 Central

Sample Type (C=Comp, G=grab)

Sample Matrix (Wet/Dry, Solid/Liquid, Other)

Preservation Code: G Solid

Field Filtered Sample (Yes or No)

Perform MS/MSD (Yes or No)

8260D/6035FP Calc BTEX (Hold)

Total\_BTEX (Hold)

TX\_1005/TX\_1005\_S\_Prep Standard List (Hold)

TX\_1005\_Calc (Hold)

300\_ORGFM\_28D/300\_Prep Chloride (Hold)

8260D/6035FP\_Calc BTEX

Total\_BTEX

TX\_1005/TX\_1005\_S\_Prep Standard List

TX\_1005\_Calc

300\_ORGFM\_28D/300\_Prep Chloride

Total Number of containers

Special Instructions/Note:

HA-4 @ 0.5 (890-8267 10)

Sample Date: 6/2/25

Sample Time: 09:10 Central

Sample Type (C=Comp, G=grab)

Sample Matrix (Wet/Dry, Solid/Liquid, Other)

Preservation Code: G Solid

Field Filtered Sample (Yes or No)

Perform MS/MSD (Yes or No)

8260D/6035FP Calc BTEX (Hold)

Total\_BTEX (Hold)

TX\_1005/TX\_1005\_S\_Prep Standard List (Hold)

TX\_1005\_Calc (Hold)

300\_ORGFM\_28D/300\_Prep Chloride (Hold)

8260D/6035FP\_Calc BTEX

Total\_BTEX

TX\_1005/TX\_1005\_S\_Prep Standard List

TX\_1005\_Calc

300\_ORGFM\_28D/300\_Prep Chloride

Total Number of containers

Special Instructions/Note:

HA-4 @ 0.5 (890-8267 10)

Sample Date: 6/2/25

Sample Time: 09:10 Central

Sample Type (C=Comp, G=grab)

Sample Matrix (Wet/Dry, Solid/Liquid, Other)

Preservation Code: G Solid

Field Filtered Sample (Yes or No)

Perform MS/MSD (Yes or No)

8260D/6035FP Calc BTEX (Hold)

Total\_BTEX (Hold)

TX\_1005/TX\_1005\_S\_Prep Standard List (Hold)

TX\_1005\_Calc (Hold)

300\_ORGFM\_28D/300\_Prep Chloride (Hold)

8260D/6035FP\_Calc BTEX

Total\_BTEX

TX\_1005/TX\_1005\_S\_Prep Standard List

TX\_1005\_Calc

300\_ORGFM\_28D/300\_Prep Chloride

Total Number of containers

Special Instructions/Note:

HA-4 @ 0.5 (890-8267 10)

Sample Date: 6/2/25

Sample Time: 09:10 Central

Sample Type (C=Comp, G=grab)

Sample Matrix (Wet/Dry, Solid/Liquid, Other)

Preservation Code: G Solid

Field Filtered Sample (Yes or No)

Perform MS/MSD (Yes or No)

8260D/6035FP Calc BTEX (Hold)

Total\_BTEX (Hold)

TX\_1005/TX\_1005\_S\_Prep Standard List (Hold)

TX\_1005\_Calc (Hold)

300\_ORGFM\_28D/300\_Prep Chloride (Hold)

8260D/6035FP\_Calc BTEX

Total\_BTEX

TX\_1005/TX\_1005\_S\_Prep Standard List

TX\_1005\_Calc

300\_ORGFM\_28D/300\_Prep Chloride

Total Number of containers

Special Instructions/Note:

HA-4 @ 0.5 (890-8267 10)

Sample Date: 6/2/25

Sample Time: 09:10 Central

### Login Sample Receipt Checklist

Client: Tasman Geosciences Inc

Job Number: 890-8267-1

SDG Number: 8871

**Login Number: 8267**

**List Number: 1**

**Creator: Lopez, Abraham**

**List Source: Eurofins Carlsbad**

Question	Answer	Comment
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.	N/A	Refer to Job Narrative for details.
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
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").	N/A	

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### Login Sample Receipt Checklist

Client: Tasman Geosciences Inc

Job Number: 890-8267-1

SDG Number: 8871

**Login Number: 8267**

**List Number: 2**

**Creator: Torrez, Lisandra**

**List Source: Eurofins Houston**

**List Creation: 06/05/25 11:07 AM**

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	N/A	
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	

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Environment Testing

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# ANALYTICAL REPORT

## PREPARED FOR

Attn: Kyle Norman  
 Tasman Geosciences Inc  
 2620 W. Marland Blvd.  
 Hobbs, New Mexico 88240

Generated 6/6/2025 1:44:30 PM

## JOB DESCRIPTION

Yada C  
 8871

## JOB NUMBER

890-8269-1



# Eurofins Carlsbad

## Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

## Authorization



Generated  
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Authorized for release by  
Jessica Kramer, Project Manager  
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(432)704-5440

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Client: Tasman Geosciences Inc  
Project/Site: Yada C

Laboratory Job ID: 890-8269-1  
SDG: 8871

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## Definitions/Glossary

Client: Tasman Geosciences Inc  
Project/Site: Yada C

Job ID: 890-8269-1  
SDG: 8871

## Qualifiers

## GC VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

## GC Semi VOA

Qualifier	Qualifier Description
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

## HPLC/IC

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
U	Indicates the analyte was analyzed for but not detected.

## Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	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: Tasman Geosciences Inc  
Project: Yada C

Job ID: 890-8269-1

**Job ID: 890-8269-1**

**Eurofins Carlsbad**

### Job Narrative 890-8269-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

#### Receipt

The samples were received on 6/4/2025 2:50 PM. 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 -0.5°C.

#### Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: HA-4 @ 1 (890-8269-1), HA-4 @ 1.5 (890-8269-2), HA-5 @ 0.5 (890-8269-3), HA-5 @ 1 (890-8269-4), HA-5 @ 1.5 (890-8269-5), HA-6 @ 0.5 (890-8269-6), HA-6 @ 1 (890-8269-7), HA-6 @ 1.5 (890-8269-8), HA-7 @ 0.5 (890-8269-9), HA-8 @ 0.5 (890-8269-10), HA-8 @ 1 (890-8269-11), HA-8 @ 1.5 (890-8269-12), HA-9 @ 0.5 (890-8269-13), HA-9 @ 1 (890-8269-14), HA-9 @ 1.5 (890-8269-15), HA-10 @ 0.5 (890-8269-16), HA-10 @ 1 (890-8269-17), HA-10 @ 1.5 (890-8269-18), HA-11 @ 0.21 (890-8269-19), HA-12 @ 0.5 (890-8269-20), HA-12 @ 1 (890-8269-21), HA-12 @ 1.5 (890-8269-22), HA-13 @ 0.5 (890-8269-23), HA-13 @ 1 (890-8269-24) and HA-13 @ 1.5 (890-8269-25).

#### GC VOA

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

#### Diesel Range Organics

Method 8015MOD\_NM: Surrogate recovery for the following sample was outside control limits: (LCSD 880-111558/3-A). Evidence of matrix interferences is not obvious.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

#### HPLC/IC

Method 300\_ORGFM\_28D - Soluble: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-111568 and analytical batch 880-111571 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

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## Client Sample Results

Client: Tasman Geosciences Inc  
Project/Site: Yada CJob ID: 890-8269-1  
SDG: 8871

Client Sample ID: HA-4 @ 1.5

Lab Sample ID: 890-8269-2

Date Collected: 06/02/25 09:45

Matrix: Solid

Date Received: 06/04/25 14:50

## Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	0.00141	mg/Kg		06/05/25 09:08	06/05/25 11:37	1
Toluene	<0.00202	U	0.00202	0.00202	mg/Kg		06/05/25 09:08	06/05/25 11:37	1
Ethylbenzene	<0.00202	U	0.00202	0.00110	mg/Kg		06/05/25 09:08	06/05/25 11:37	1
m-Xylene & p-Xylene	<0.00404	U	0.00404	0.00231	mg/Kg		06/05/25 09:08	06/05/25 11:37	1
o-Xylene	<0.00202	U	0.00202	0.00160	mg/Kg		06/05/25 09:08	06/05/25 11:37	1
Xylenes, Total	<0.00404	U	0.00404	0.00231	mg/Kg		06/05/25 09:08	06/05/25 11:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130	06/05/25 09:08	06/05/25 11:37	1
1,4-Difluorobenzene (Surr)	96		70 - 130	06/05/25 09:08	06/05/25 11:37	1

## Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404	0.00231	mg/Kg			06/05/25 11:37	1

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1	15.2	mg/Kg			06/05/25 18:48	1

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1	14.6	mg/Kg		06/05/25 09:02	06/05/25 18:48	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1	15.2	mg/Kg		06/05/25 09:02	06/05/25 18:48	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1	15.2	mg/Kg		06/05/25 09:02	06/05/25 18:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	103		70 - 130	06/05/25 09:02	06/05/25 18:48	1
o-Terphenyl	104		70 - 130	06/05/25 09:02	06/05/25 18:48	1

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2750		50.3	1.99	mg/Kg			06/05/25 19:46	5

Client Sample ID: HA-5 @ 1.5

Lab Sample ID: 890-8269-5

Date Collected: 06/02/25 10:33

Matrix: Solid

Date Received: 06/04/25 14:50

## Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.00139	mg/Kg		06/05/25 09:08	06/05/25 11:58	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg		06/05/25 09:08	06/05/25 11:58	1
Ethylbenzene	<0.00200	U	0.00200	0.00109	mg/Kg		06/05/25 09:08	06/05/25 11:58	1
m-Xylene & p-Xylene	<0.00401	U	0.00401	0.00229	mg/Kg		06/05/25 09:08	06/05/25 11:58	1
o-Xylene	<0.00200	U	0.00200	0.00159	mg/Kg		06/05/25 09:08	06/05/25 11:58	1
Xylenes, Total	<0.00401	U	0.00401	0.00229	mg/Kg		06/05/25 09:08	06/05/25 11:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130	06/05/25 09:08	06/05/25 11:58	1
1,4-Difluorobenzene (Surr)	97		70 - 130	06/05/25 09:08	06/05/25 11:58	1

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### Client Sample Results

Client: Tasman Geosciences Inc  
Project/Site: Yada C

Job ID: 890-8269-1  
SDG: 8871

Client Sample ID: HA-5 @ 1.5

Lab Sample ID: 890-8269-5

Date Collected: 06/02/25 10:33

Matrix: Solid

Date Received: 06/04/25 14:50

**Method: TAL SOP Total BTEX - Total BTEX Calculation**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401	0.00229	mg/Kg			06/05/25 11:58	1

**Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7	15.0	mg/Kg			06/05/25 19:37	1

**Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7	14.4	mg/Kg		06/05/25 09:02	06/05/25 19:37	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7	15.0	mg/Kg		06/05/25 09:02	06/05/25 19:37	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7	15.0	mg/Kg		06/05/25 09:02	06/05/25 19:37	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
1-Chlorooctane	102		70 - 130				06/05/25 09:02	06/05/25 19:37	1
o-Terphenyl	101		70 - 130				06/05/25 09:02	06/05/25 19:37	1

**Method: EPA 300.0 - Anions, Ion Chromatography - Soluble**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1290		10.0	0.395	mg/Kg			06/05/25 19:53	1

Client Sample ID: HA-6 @ 1.5

Lab Sample ID: 890-8269-8

Date Collected: 06/02/25 10:46

Matrix: Solid

Date Received: 06/04/25 14:50

**Method: SW846 8021B - Volatile Organic Compounds (GC)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.00139	mg/Kg		06/05/25 09:08	06/05/25 12:18	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg		06/05/25 09:08	06/05/25 12:18	1
Ethylbenzene	<0.00200	U	0.00200	0.00109	mg/Kg		06/05/25 09:08	06/05/25 12:18	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	0.00228	mg/Kg		06/05/25 09:08	06/05/25 12:18	1
o-Xylene	<0.00200	U	0.00200	0.00158	mg/Kg		06/05/25 09:08	06/05/25 12:18	1
Xylenes, Total	<0.00399	U	0.00399	0.00228	mg/Kg		06/05/25 09:08	06/05/25 12:18	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
4-Bromofluorobenzene (Surr)	106		70 - 130				06/05/25 09:08	06/05/25 12:18	1
1,4-Difluorobenzene (Surr)	98		70 - 130				06/05/25 09:08	06/05/25 12:18	1

**Method: TAL SOP Total BTEX - Total BTEX Calculation**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	0.00228	mg/Kg			06/05/25 12:18	1

**Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	15.1	mg/Kg			06/05/25 19:54	1

**Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	14.5	mg/Kg		06/05/25 09:02	06/05/25 19:54	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	15.1	mg/Kg		06/05/25 09:02	06/05/25 19:54	1

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## Client Sample Results

Client: Tasman Geosciences Inc  
Project/Site: Yada CJob ID: 890-8269-1  
SDG: 8871

Client Sample ID: HA-6 @ 1.5

Lab Sample ID: 890-8269-8

Date Collected: 06/02/25 10:46

Matrix: Solid

Date Received: 06/04/25 14:50

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.1	mg/Kg		06/05/25 09:02	06/05/25 19:54	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	104		70 - 130				06/05/25 09:02	06/05/25 19:54	1
o-Terphenyl	104		70 - 130				06/05/25 09:02	06/05/25 19:54	1

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1450		9.94	0.393	mg/Kg			06/05/25 20:00	1

Client Sample ID: HA-7 @ 0.5

Lab Sample ID: 890-8269-9

Date Collected: 06/02/25 09:50

Matrix: Solid

Date Received: 06/04/25 14:50

## Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	0.00140	mg/Kg		06/05/25 09:08	06/05/25 12:39	1
Toluene	<0.00201	U	0.00201	0.00201	mg/Kg		06/05/25 09:08	06/05/25 12:39	1
Ethylbenzene	<0.00201	U	0.00201	0.00110	mg/Kg		06/05/25 09:08	06/05/25 12:39	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	0.00230	mg/Kg		06/05/25 09:08	06/05/25 12:39	1
o-Xylene	<0.00201	U	0.00201	0.00159	mg/Kg		06/05/25 09:08	06/05/25 12:39	1
Xylenes, Total	<0.00402	U	0.00402	0.00230	mg/Kg		06/05/25 09:08	06/05/25 12:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130				06/05/25 09:08	06/05/25 12:39	1
1,4-Difluorobenzene (Surr)	98		70 - 130				06/05/25 09:08	06/05/25 12:39	1

## Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	0.00230	mg/Kg			06/05/25 12:39	1

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	15.1	mg/Kg			06/05/25 20:10	1

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	14.5	mg/Kg		06/05/25 09:02	06/05/25 20:10	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	15.1	mg/Kg		06/05/25 09:02	06/05/25 20:10	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	15.1	mg/Kg		06/05/25 09:02	06/05/25 20:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	103		70 - 130				06/05/25 09:02	06/05/25 20:10	1
o-Terphenyl	101		70 - 130				06/05/25 09:02	06/05/25 20:10	1

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	134	F1	10.0	0.395	mg/Kg			06/05/25 20:07	1

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### Client Sample Results

Client: Tasman Geosciences Inc  
 Project/Site: Yada C

Job ID: 890-8269-1  
 SDG: 8871

**Client Sample ID: HA-8 @ 0.5**

**Lab Sample ID: 890-8269-10**

Date Collected: 06/02/25 10:17

Matrix: Solid

Date Received: 06/04/25 14:50

**Method: SW846 8021B - Volatile Organic Compounds (GC)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198	0.00138	mg/Kg		06/05/25 09:08	06/05/25 12:59	1
Toluene	<0.00198	U	0.00198	0.00198	mg/Kg		06/05/25 09:08	06/05/25 12:59	1
Ethylbenzene	<0.00198	U	0.00198	0.00108	mg/Kg		06/05/25 09:08	06/05/25 12:59	1
m-Xylene & p-Xylene	<0.00397	U	0.00397	0.00227	mg/Kg		06/05/25 09:08	06/05/25 12:59	1
o-Xylene	<0.00198	U	0.00198	0.00157	mg/Kg		06/05/25 09:08	06/05/25 12:59	1
Xylenes, Total	<0.00397	U	0.00397	0.00227	mg/Kg		06/05/25 09:08	06/05/25 12:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130	06/05/25 09:08	06/05/25 12:59	1
1,4-Difluorobenzene (Surr)	98		70 - 130	06/05/25 09:08	06/05/25 12:59	1

**Method: TAL SOP Total BTEX - Total BTEX Calculation**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397	0.00227	mg/Kg			06/05/25 12:59	1

**Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8	15.1	mg/Kg			06/05/25 20:26	1

**Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8	14.5	mg/Kg		06/05/25 09:02	06/05/25 20:26	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	15.1	mg/Kg		06/05/25 09:02	06/05/25 20:26	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	15.1	mg/Kg		06/05/25 09:02	06/05/25 20:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	104		70 - 130	06/05/25 09:02	06/05/25 20:26	1
o-Terphenyl	102		70 - 130	06/05/25 09:02	06/05/25 20:26	1

**Method: EPA 300.0 - Anions, Ion Chromatography - Soluble**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	127		10.1	0.397	mg/Kg			06/05/25 20:29	1

**Client Sample ID: HA-8 @ 1.5**

**Lab Sample ID: 890-8269-12**

Date Collected: 06/02/25 10:21

Matrix: Solid

Date Received: 06/04/25 14:50

**Method: SW846 8021B - Volatile Organic Compounds (GC)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.00139	mg/Kg		06/05/25 09:08	06/05/25 13:20	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg		06/05/25 09:08	06/05/25 13:20	1
Ethylbenzene	<0.00200	U	0.00200	0.00109	mg/Kg		06/05/25 09:08	06/05/25 13:20	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.00229	mg/Kg		06/05/25 09:08	06/05/25 13:20	1
o-Xylene	<0.00200	U	0.00200	0.00158	mg/Kg		06/05/25 09:08	06/05/25 13:20	1
Xylenes, Total	<0.00400	U	0.00400	0.00229	mg/Kg		06/05/25 09:08	06/05/25 13:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130	06/05/25 09:08	06/05/25 13:20	1
1,4-Difluorobenzene (Surr)	98		70 - 130	06/05/25 09:08	06/05/25 13:20	1

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### Client Sample Results

Client: Tasman Geosciences Inc  
Project/Site: Yada C

Job ID: 890-8269-1  
SDG: 8871

Client Sample ID: HA-8 @ 1.5

Lab Sample ID: 890-8269-12

Date Collected: 06/02/25 10:21

Matrix: Solid

Date Received: 06/04/25 14:50

**Method: TAL SOP Total BTEX - Total BTEX Calculation**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400	0.00229	mg/Kg			06/05/25 13:20	1

**Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6	15.0	mg/Kg			06/05/25 20:42	1

**Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	49.6	14.4	mg/Kg		06/05/25 09:02	06/05/25 20:42	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6	15.0	mg/Kg		06/05/25 09:02	06/05/25 20:42	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6	15.0	mg/Kg		06/05/25 09:02	06/05/25 20:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	103		70 - 130	06/05/25 09:02	06/05/25 20:42	1
o-Terphenyl	100		70 - 130	06/05/25 09:02	06/05/25 20:42	1

**Method: EPA 300.0 - Anions, Ion Chromatography - Soluble**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	115		9.90	0.391	mg/Kg			06/05/25 20:36	1

Client Sample ID: HA-9 @ 0.5

Lab Sample ID: 890-8269-13

Date Collected: 06/02/25 10:03

Matrix: Solid

Date Received: 06/04/25 14:50

**Method: SW846 8021B - Volatile Organic Compounds (GC)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	0.00139	mg/Kg		06/05/25 09:08	06/05/25 13:40	1
Toluene	<0.00199	U	0.00199	0.00199	mg/Kg		06/05/25 09:08	06/05/25 13:40	1
Ethylbenzene	<0.00199	U	0.00199	0.00108	mg/Kg		06/05/25 09:08	06/05/25 13:40	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	0.00228	mg/Kg		06/05/25 09:08	06/05/25 13:40	1
o-Xylene	<0.00199	U	0.00199	0.00158	mg/Kg		06/05/25 09:08	06/05/25 13:40	1
Xylenes, Total	<0.00398	U	0.00398	0.00228	mg/Kg		06/05/25 09:08	06/05/25 13:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130	06/05/25 09:08	06/05/25 13:40	1
1,4-Difluorobenzene (Surr)	98		70 - 130	06/05/25 09:08	06/05/25 13:40	1

**Method: TAL SOP Total BTEX - Total BTEX Calculation**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	0.00228	mg/Kg			06/05/25 13:40	1

**Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	15.1	mg/Kg			06/05/25 20:58	1

**Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	14.5	mg/Kg		06/05/25 09:02	06/05/25 20:58	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	15.1	mg/Kg		06/05/25 09:02	06/05/25 20:58	1

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### Client Sample Results

Client: Tasman Geosciences Inc  
Project/Site: Yada C

Job ID: 890-8269-1  
SDG: 8871

**Client Sample ID: HA-9 @ 0.5**

**Lab Sample ID: 890-8269-13**

Date Collected: 06/02/25 10:03

Matrix: Solid

Date Received: 06/04/25 14:50

**Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	15.1	mg/Kg		06/05/25 09:02	06/05/25 20:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	103		70 - 130				06/05/25 09:02	06/05/25 20:58	1
o-Terphenyl	100		70 - 130				06/05/25 09:02	06/05/25 20:58	1

**Method: EPA 300.0 - Anions, Ion Chromatography - Soluble**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	658		9.96	0.393	mg/Kg			06/05/25 20:57	1

**Client Sample ID: HA-9 @ 1.5**

**Lab Sample ID: 890-8269-15**

Date Collected: 06/02/25 10:00

Matrix: Solid

Date Received: 06/04/25 14:50

**Method: SW846 8021B - Volatile Organic Compounds (GC)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	0.00140	mg/Kg		06/05/25 09:08	06/05/25 14:00	1
Toluene	<0.00201	U	0.00201	0.00201	mg/Kg		06/05/25 09:08	06/05/25 14:00	1
Ethylbenzene	<0.00201	U	0.00201	0.00109	mg/Kg		06/05/25 09:08	06/05/25 14:00	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	0.00229	mg/Kg		06/05/25 09:08	06/05/25 14:00	1
o-Xylene	<0.00201	U	0.00201	0.00159	mg/Kg		06/05/25 09:08	06/05/25 14:00	1
Xylenes, Total	<0.00402	U	0.00402	0.00229	mg/Kg		06/05/25 09:08	06/05/25 14:00	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130				06/05/25 09:08	06/05/25 14:00	1
1,4-Difluorobenzene (Surr)	102		70 - 130				06/05/25 09:08	06/05/25 14:00	1

**Method: TAL SOP Total BTEX - Total BTEX Calculation**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	0.00229	mg/Kg			06/05/25 14:00	1

**Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1	15.2	mg/Kg			06/05/25 21:14	1

**Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1	14.6	mg/Kg		06/05/25 09:02	06/05/25 21:14	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1	15.2	mg/Kg		06/05/25 09:02	06/05/25 21:14	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1	15.2	mg/Kg		06/05/25 09:02	06/05/25 21:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	98		70 - 130				06/05/25 09:02	06/05/25 21:14	1
o-Terphenyl	96		70 - 130				06/05/25 09:02	06/05/25 21:14	1

**Method: EPA 300.0 - Anions, Ion Chromatography - Soluble**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	181		10.0	0.397	mg/Kg			06/05/25 21:04	1

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## Client Sample Results

Client: Tasman Geosciences Inc  
Project/Site: Yada CJob ID: 890-8269-1  
SDG: 8871

Client Sample ID: HA-10 @ 0.5

Lab Sample ID: 890-8269-16

Date Collected: 06/02/25 10:47

Matrix: Solid

Date Received: 06/04/25 14:50

## Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	0.00140	mg/Kg		06/05/25 09:08	06/05/25 14:21	1
Toluene	<0.00202	U	0.00202	0.00202	mg/Kg		06/05/25 09:08	06/05/25 14:21	1
Ethylbenzene	<0.00202	U	0.00202	0.00110	mg/Kg		06/05/25 09:08	06/05/25 14:21	1
m-Xylene & p-Xylene	<0.00403	U	0.00403	0.00230	mg/Kg		06/05/25 09:08	06/05/25 14:21	1
o-Xylene	<0.00202	U	0.00202	0.00160	mg/Kg		06/05/25 09:08	06/05/25 14:21	1
Xylenes, Total	<0.00403	U	0.00403	0.00230	mg/Kg		06/05/25 09:08	06/05/25 14:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130	06/05/25 09:08	06/05/25 14:21	1
1,4-Difluorobenzene (Surr)	99		70 - 130	06/05/25 09:08	06/05/25 14:21	1

## Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403	0.00230	mg/Kg			06/05/25 14:21	1

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7	15.0	mg/Kg			06/05/25 21:29	1

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7	14.4	mg/Kg		06/05/25 09:02	06/05/25 21:29	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7	15.0	mg/Kg		06/05/25 09:02	06/05/25 21:29	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7	15.0	mg/Kg		06/05/25 09:02	06/05/25 21:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	95		70 - 130	06/05/25 09:02	06/05/25 21:29	1
o-Terphenyl	92		70 - 130	06/05/25 09:02	06/05/25 21:29	1

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	122		10.1	0.397	mg/Kg			06/05/25 21:11	1

Client Sample ID: HA-10 @ 1.5

Lab Sample ID: 890-8269-18

Date Collected: 06/02/25 10:50

Matrix: Solid

Date Received: 06/04/25 14:50

## Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.00139	mg/Kg		06/05/25 09:08	06/05/25 15:44	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg		06/05/25 09:08	06/05/25 15:44	1
Ethylbenzene	<0.00200	U	0.00200	0.00109	mg/Kg		06/05/25 09:08	06/05/25 15:44	1
m-Xylene & p-Xylene	<0.00401	U	0.00401	0.00229	mg/Kg		06/05/25 09:08	06/05/25 15:44	1
o-Xylene	<0.00200	U	0.00200	0.00159	mg/Kg		06/05/25 09:08	06/05/25 15:44	1
Xylenes, Total	<0.00401	U	0.00401	0.00229	mg/Kg		06/05/25 09:08	06/05/25 15:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130	06/05/25 09:08	06/05/25 15:44	1
1,4-Difluorobenzene (Surr)	98		70 - 130	06/05/25 09:08	06/05/25 15:44	1

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### Client Sample Results

Client: Tasman Geosciences Inc  
Project/Site: Yada C

Job ID: 890-8269-1  
SDG: 8871

Client Sample ID: HA-10 @ 1.5

Lab Sample ID: 890-8269-18

Date Collected: 06/02/25 10:50

Matrix: Solid

Date Received: 06/04/25 14:50

**Method: TAL SOP Total BTEX - Total BTEX Calculation**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401	0.00229	mg/Kg			06/05/25 15:44	1

**Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8	15.1	mg/Kg			06/05/25 21:45	1

**Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8	14.5	mg/Kg		06/05/25 09:02	06/05/25 21:45	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	15.1	mg/Kg		06/05/25 09:02	06/05/25 21:45	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	15.1	mg/Kg		06/05/25 09:02	06/05/25 21:45	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
1-Chlorooctane	98		70 - 130				06/05/25 09:02	06/05/25 21:45	1
o-Terphenyl	96		70 - 130				06/05/25 09:02	06/05/25 21:45	1

**Method: EPA 300.0 - Anions, Ion Chromatography - Soluble**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	111		10.0	0.395	mg/Kg			06/05/25 21:18	1

Client Sample ID: HA-11 @ 0.21

Lab Sample ID: 890-8269-19

Date Collected: 06/02/25 10:52

Matrix: Solid

Date Received: 06/04/25 14:50

**Method: SW846 8021B - Volatile Organic Compounds (GC)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	0.00139	mg/Kg		06/05/25 09:08	06/05/25 16:04	1
Toluene	<0.00199	U	0.00199	0.00199	mg/Kg		06/05/25 09:08	06/05/25 16:04	1
Ethylbenzene	<0.00199	U	0.00199	0.00108	mg/Kg		06/05/25 09:08	06/05/25 16:04	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	0.00228	mg/Kg		06/05/25 09:08	06/05/25 16:04	1
o-Xylene	<0.00199	U	0.00199	0.00158	mg/Kg		06/05/25 09:08	06/05/25 16:04	1
Xylenes, Total	<0.00398	U	0.00398	0.00228	mg/Kg		06/05/25 09:08	06/05/25 16:04	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
4-Bromofluorobenzene (Surr)	101		70 - 130				06/05/25 09:08	06/05/25 16:04	1
1,4-Difluorobenzene (Surr)	98		70 - 130				06/05/25 09:08	06/05/25 16:04	1

**Method: TAL SOP Total BTEX - Total BTEX Calculation**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	0.00228	mg/Kg			06/05/25 16:04	1

**Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	15.1	mg/Kg			06/05/25 22:17	1

**Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	14.5	mg/Kg		06/05/25 09:02	06/05/25 22:17	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	15.1	mg/Kg		06/05/25 09:02	06/05/25 22:17	1

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### Client Sample Results

Client: Tasman Geosciences Inc  
 Project/Site: Yada C

Job ID: 890-8269-1  
 SDG: 8871

**Client Sample ID: HA-11 @ 0.21**

**Lab Sample ID: 890-8269-19**

Date Collected: 06/02/25 10:52

Matrix: Solid

Date Received: 06/04/25 14:50

**Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	15.1	mg/Kg		06/05/25 09:02	06/05/25 22:17	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
1-Chlorooctane	98		70 - 130				06/05/25 09:02	06/05/25 22:17	1
o-Terphenyl	95		70 - 130				06/05/25 09:02	06/05/25 22:17	1

**Method: EPA 300.0 - Anions, Ion Chromatography - Soluble**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	303		9.94	0.393	mg/Kg			06/05/25 21:25	1

**Client Sample ID: HA-12 @ 1.5**

**Lab Sample ID: 890-8269-22**

Date Collected: 06/02/25 10:27

Matrix: Solid

Date Received: 06/04/25 14:50

**Method: SW846 8021B - Volatile Organic Compounds (GC)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.00139	mg/Kg		06/05/25 09:08	06/05/25 16:25	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg		06/05/25 09:08	06/05/25 16:25	1
Ethylbenzene	<0.00200	U	0.00200	0.00109	mg/Kg		06/05/25 09:08	06/05/25 16:25	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.00229	mg/Kg		06/05/25 09:08	06/05/25 16:25	1
o-Xylene	<0.00200	U	0.00200	0.00158	mg/Kg		06/05/25 09:08	06/05/25 16:25	1
Xylenes, Total	<0.00400	U	0.00400	0.00229	mg/Kg		06/05/25 09:08	06/05/25 16:25	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
4-Bromofluorobenzene (Surr)	105		70 - 130				06/05/25 09:08	06/05/25 16:25	1
1,4-Difluorobenzene (Surr)	99		70 - 130				06/05/25 09:08	06/05/25 16:25	1

**Method: TAL SOP Total BTEX - Total BTEX Calculation**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400	0.00229	mg/Kg			06/05/25 16:25	1

**Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1	15.2	mg/Kg			06/05/25 22:33	1

**Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1	14.6	mg/Kg		06/05/25 09:02	06/05/25 22:33	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1	15.2	mg/Kg		06/05/25 09:02	06/05/25 22:33	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1	15.2	mg/Kg		06/05/25 09:02	06/05/25 22:33	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
1-Chlorooctane	100		70 - 130				06/05/25 09:02	06/05/25 22:33	1
o-Terphenyl	98		70 - 130				06/05/25 09:02	06/05/25 22:33	1

**Method: EPA 300.0 - Anions, Ion Chromatography - Soluble**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2720		50.1	1.98	mg/Kg			06/05/25 21:32	5

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### Client Sample Results

Client: Tasman Geosciences Inc  
 Project/Site: Yada C

Job ID: 890-8269-1  
 SDG: 8871

Client Sample ID: HA-13 @ 1.5

Lab Sample ID: 890-8269-25

Date Collected: 06/02/25 11:01

Matrix: Solid

Date Received: 06/04/25 14:50

**Method: SW846 8021B - Volatile Organic Compounds (GC)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198	0.00138	mg/Kg		06/05/25 09:08	06/05/25 16:45	1
Toluene	<0.00198	U	0.00198	0.00198	mg/Kg		06/05/25 09:08	06/05/25 16:45	1
Ethylbenzene	<0.00198	U	0.00198	0.00108	mg/Kg		06/05/25 09:08	06/05/25 16:45	1
m-Xylene & p-Xylene	<0.00396	U	0.00396	0.00226	mg/Kg		06/05/25 09:08	06/05/25 16:45	1
o-Xylene	<0.00198	U	0.00198	0.00157	mg/Kg		06/05/25 09:08	06/05/25 16:45	1
Xylenes, Total	<0.00396	U	0.00396	0.00226	mg/Kg		06/05/25 09:08	06/05/25 16:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130	06/05/25 09:08	06/05/25 16:45	1
1,4-Difluorobenzene (Surr)	101		70 - 130	06/05/25 09:08	06/05/25 16:45	1

**Method: TAL SOP Total BTEX - Total BTEX Calculation**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396	0.00226	mg/Kg			06/05/25 16:45	1

**Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8	15.1	mg/Kg			06/05/25 22:49	1

**Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8	14.5	mg/Kg		06/05/25 09:02	06/05/25 22:49	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	15.1	mg/Kg		06/05/25 09:02	06/05/25 22:49	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	15.1	mg/Kg		06/05/25 09:02	06/05/25 22:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	99		70 - 130	06/05/25 09:02	06/05/25 22:49	1
o-Terphenyl	96		70 - 130	06/05/25 09:02	06/05/25 22:49	1

**Method: EPA 300.0 - Anions, Ion Chromatography - Soluble**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	284		9.98	0.394	mg/Kg			06/05/25 21:39	1

## Surrogate Summary

Client: Tasman Geosciences Inc  
Project/Site: Yada C

Job ID: 890-8269-1  
SDG: 8871

## Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		BFB1 (70-130)	DFBZ1 (70-130)
890-8269-2	HA-4 @ 1.5	102	96
890-8269-5	HA-5 @ 1.5	98	97
890-8269-8	HA-6 @ 1.5	106	98
890-8269-9	HA-7 @ 0.5	103	98
890-8269-10	HA-8 @ 0.5	104	98
890-8269-12	HA-8 @ 1.5	103	98
890-8269-13	HA-9 @ 0.5	102	98
890-8269-15	HA-9 @ 1.5	106	102
890-8269-16	HA-10 @ 0.5	104	99
890-8269-18	HA-10 @ 1.5	104	98
890-8269-19	HA-11 @ 0.21	101	98
890-8269-22	HA-12 @ 1.5	105	99
890-8269-25	HA-13 @ 1.5	104	101
LCS 880-111561/1-A	Lab Control Sample	94	89
LCSD 880-111561/2-A	Lab Control Sample Dup	90	89
MB 880-111561/5-A	Method Blank	96	98

**Surrogate Legend**

BFB = 4-Bromofluorobenzene (Surr)  
DFBZ = 1,4-Difluorobenzene (Surr)

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		1CO1 (70-130)	OTPH1 (70-130)
890-8269-2	HA-4 @ 1.5	103	104
890-8269-2 MS	HA-4 @ 1.5	90	96
890-8269-2 MSD	HA-4 @ 1.5	91	97
890-8269-5	HA-5 @ 1.5	102	101
890-8269-8	HA-6 @ 1.5	104	104
890-8269-9	HA-7 @ 0.5	103	101
890-8269-10	HA-8 @ 0.5	104	102
890-8269-12	HA-8 @ 1.5	103	100
890-8269-13	HA-9 @ 0.5	103	100
890-8269-15	HA-9 @ 1.5	98	96
890-8269-16	HA-10 @ 0.5	95	92
890-8269-18	HA-10 @ 1.5	98	96
890-8269-19	HA-11 @ 0.21	98	95
890-8269-22	HA-12 @ 1.5	100	98
890-8269-25	HA-13 @ 1.5	99	96
LCS 880-111558/2-A	Lab Control Sample	97	107
LCSD 880-111558/3-A	Lab Control Sample Dup	122	132 S1+
MB 880-111558/1-A	Method Blank	77	78

**Surrogate Legend**

1CO = 1-Chlorooctane  
OTPH = o-Terphenyl

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### QC Sample Results

Client: Tasman Geosciences Inc  
 Project/Site: Yada C

Job ID: 890-8269-1  
 SDG: 8871

#### Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-111561/5-A  
 Matrix: Solid  
 Analysis Batch: 111547

Client Sample ID: Method Blank  
 Prep Type: Total/NA  
 Prep Batch: 111561

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.00139	mg/Kg		06/05/25 09:08	06/05/25 10:55	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg		06/05/25 09:08	06/05/25 10:55	1
Ethylbenzene	<0.00200	U	0.00200	0.00109	mg/Kg		06/05/25 09:08	06/05/25 10:55	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.00229	mg/Kg		06/05/25 09:08	06/05/25 10:55	1
o-Xylene	<0.00200	U	0.00200	0.00158	mg/Kg		06/05/25 09:08	06/05/25 10:55	1
Xylenes, Total	<0.00400	U	0.00400	0.00229	mg/Kg		06/05/25 09:08	06/05/25 10:55	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130	06/05/25 09:08	06/05/25 10:55	1
1,4-Difluorobenzene (Surr)	98		70 - 130	06/05/25 09:08	06/05/25 10:55	1

Lab Sample ID: LCS 880-111561/1-A  
 Matrix: Solid  
 Analysis Batch: 111547

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA  
 Prep Batch: 111561

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1015		mg/Kg		101	70 - 130
Toluene	0.100	0.09437		mg/Kg		94	70 - 130
Ethylbenzene	0.100	0.1008		mg/Kg		101	70 - 130
m-Xylene & p-Xylene	0.200	0.2032		mg/Kg		102	70 - 130
o-Xylene	0.100	0.1020		mg/Kg		102	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	94		70 - 130
1,4-Difluorobenzene (Surr)	89		70 - 130

Lab Sample ID: LCSD 880-111561/2-A  
 Matrix: Solid  
 Analysis Batch: 111547

Client Sample ID: Lab Control Sample Dup  
 Prep Type: Total/NA  
 Prep Batch: 111561

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	0.100	0.1030		mg/Kg		103	70 - 130	1	35
Toluene	0.100	0.09433		mg/Kg		94	70 - 130	0	35
Ethylbenzene	0.100	0.1013		mg/Kg		101	70 - 130	1	35
m-Xylene & p-Xylene	0.200	0.2045		mg/Kg		102	70 - 130	1	35
o-Xylene	0.100	0.1022		mg/Kg		102	70 - 130	0	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	90		70 - 130
1,4-Difluorobenzene (Surr)	89		70 - 130

### QC Sample Results

Client: Tasman Geosciences Inc  
 Project/Site: Yada C

Job ID: 890-8269-1  
 SDG: 8871

#### Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 880-111558/1-A  
 Matrix: Solid  
 Analysis Batch: 111564

Client Sample ID: Method Blank  
 Prep Type: Total/NA  
 Prep Batch: 111558

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	14.5	mg/Kg		06/05/25 09:01	06/05/25 18:00	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	15.1	mg/Kg		06/05/25 09:01	06/05/25 18:00	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.1	mg/Kg		06/05/25 09:01	06/05/25 18:00	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1-Chlorooctane	77		70 - 130	06/05/25 09:01	06/05/25 18:00	1
o-Terphenyl	78		70 - 130	06/05/25 09:01	06/05/25 18:00	1

Lab Sample ID: LCS 880-111558/2-A  
 Matrix: Solid  
 Analysis Batch: 111564

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA  
 Prep Batch: 111558

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Diesel Range Organics (Over C10-C28)	1000	1063		mg/Kg		106	70 - 130

Surrogate	LCS	LCS	Limits
	%Recovery	Qualifier	
1-Chlorooctane	97		70 - 130
o-Terphenyl	107		70 - 130

Lab Sample ID: LCSD 880-111558/3-A  
 Matrix: Solid  
 Analysis Batch: 111564

Client Sample ID: Lab Control Sample Dup  
 Prep Type: Total/NA  
 Prep Batch: 111558

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	
								RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1086		mg/Kg		109	70 - 130	16	20
Diesel Range Organics (Over C10-C28)	1000	1263		mg/Kg		126	70 - 130	17	20

Surrogate	LCSD	LCSD	Limits
	%Recovery	Qualifier	
1-Chlorooctane	122		70 - 130
o-Terphenyl	132	S1+	70 - 130

Lab Sample ID: 890-8269-2 MS  
 Matrix: Solid  
 Analysis Batch: 111564

Client Sample ID: HA-4 @ 1.5  
 Prep Type: Total/NA  
 Prep Batch: 111558

Analyte	Sample	Sample	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
	Result	Qualifier							
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	999	741.3		mg/Kg		74	70 - 130
Diesel Range Organics (Over C10-C28)	<50.1	U	999	861.2		mg/Kg		86	70 - 130

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### QC Sample Results

Client: Tasman Geosciences Inc  
Project/Site: Yada C

Job ID: 890-8269-1  
SDG: 8871

#### Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: 890-8269-2 MS  
Matrix: Solid  
Analysis Batch: 111564

Client Sample ID: HA-4 @ 1.5  
Prep Type: Total/NA  
Prep Batch: 111558

Surrogate	%Recovery	MS MS Qualifier	Limits
1-Chlorooctane	90		70 - 130
o-Terphenyl	96		70 - 130

Lab Sample ID: 890-8269-2 MSD  
Matrix: Solid  
Analysis Batch: 111564

Client Sample ID: HA-4 @ 1.5  
Prep Type: Total/NA  
Prep Batch: 111558

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD		Unit	D	%Rec	%Rec		RPD	Limit
				Result	Qualifier				Limits	RPD		
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	999	746.2		mg/Kg		75	70 - 130	1	20	
Diesel Range Organics (Over C10-C28)	<50.1	U	999	861.8		mg/Kg		86	70 - 130	0	20	

Surrogate	%Recovery	MSD MSD Qualifier	Limits
1-Chlorooctane	91		70 - 130
o-Terphenyl	97		70 - 130

#### Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-111568/1-A  
Matrix: Solid  
Analysis Batch: 111571

Client Sample ID: Method Blank  
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0	0.395	mg/Kg			06/05/25 18:07	1

Lab Sample ID: LCS 880-111568/2-A  
Matrix: Solid  
Analysis Batch: 111571

Client Sample ID: Lab Control Sample  
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	249.4		mg/Kg		100	90 - 110

Lab Sample ID: LCSD 880-111568/3-A  
Matrix: Solid  
Analysis Batch: 111571

Client Sample ID: Lab Control Sample Dup  
Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Chloride	250	250.2		mg/Kg		100	90 - 110	0	20

Lab Sample ID: 890-8269-9 MS  
Matrix: Solid  
Analysis Batch: 111571

Client Sample ID: HA-7 @ 0.5  
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	134	F1	250	430.5	F1	mg/Kg		119	90 - 110

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### QC Sample Results

Client: Tasman Geosciences Inc  
Project/Site: Yada C

Job ID: 890-8269-1  
SDG: 8871

#### Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 890-8269-9 MSD  
Matrix: Solid  
Analysis Batch: 111571

Client Sample ID: HA-7 @ 0.5  
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	134	F1	250	430.5	F1	mg/Kg		119	90 - 110	0	20

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

## QC Association Summary

Client: Tasman Geosciences Inc  
Project/Site: Yada CJob ID: 890-8269-1  
SDG: 8871

## GC VOA

## Analysis Batch: 111547

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8269-2	HA-4 @ 1.5	Total/NA	Solid	8021B	111561
890-8269-5	HA-5 @ 1.5	Total/NA	Solid	8021B	111561
890-8269-8	HA-6 @ 1.5	Total/NA	Solid	8021B	111561
890-8269-9	HA-7 @ 0.5	Total/NA	Solid	8021B	111561
890-8269-10	HA-8 @ 0.5	Total/NA	Solid	8021B	111561
890-8269-12	HA-8 @ 1.5	Total/NA	Solid	8021B	111561
890-8269-13	HA-9 @ 0.5	Total/NA	Solid	8021B	111561
890-8269-15	HA-9 @ 1.5	Total/NA	Solid	8021B	111561
890-8269-16	HA-10 @ 0.5	Total/NA	Solid	8021B	111561
890-8269-18	HA-10 @ 1.5	Total/NA	Solid	8021B	111561
890-8269-19	HA-11 @ 0.21	Total/NA	Solid	8021B	111561
890-8269-22	HA-12 @ 1.5	Total/NA	Solid	8021B	111561
890-8269-25	HA-13 @ 1.5	Total/NA	Solid	8021B	111561
MB 880-111561/5-A	Method Blank	Total/NA	Solid	8021B	111561
LCS 880-111561/1-A	Lab Control Sample	Total/NA	Solid	8021B	111561
LCSD 880-111561/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	111561

## Prep Batch: 111561

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8269-2	HA-4 @ 1.5	Total/NA	Solid	5035	
890-8269-5	HA-5 @ 1.5	Total/NA	Solid	5035	
890-8269-8	HA-6 @ 1.5	Total/NA	Solid	5035	
890-8269-9	HA-7 @ 0.5	Total/NA	Solid	5035	
890-8269-10	HA-8 @ 0.5	Total/NA	Solid	5035	
890-8269-12	HA-8 @ 1.5	Total/NA	Solid	5035	
890-8269-13	HA-9 @ 0.5	Total/NA	Solid	5035	
890-8269-15	HA-9 @ 1.5	Total/NA	Solid	5035	
890-8269-16	HA-10 @ 0.5	Total/NA	Solid	5035	
890-8269-18	HA-10 @ 1.5	Total/NA	Solid	5035	
890-8269-19	HA-11 @ 0.21	Total/NA	Solid	5035	
890-8269-22	HA-12 @ 1.5	Total/NA	Solid	5035	
890-8269-25	HA-13 @ 1.5	Total/NA	Solid	5035	
MB 880-111561/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-111561/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-111561/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

## Analysis Batch: 111615

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8269-2	HA-4 @ 1.5	Total/NA	Solid	Total BTEX	
890-8269-5	HA-5 @ 1.5	Total/NA	Solid	Total BTEX	
890-8269-8	HA-6 @ 1.5	Total/NA	Solid	Total BTEX	
890-8269-9	HA-7 @ 0.5	Total/NA	Solid	Total BTEX	
890-8269-10	HA-8 @ 0.5	Total/NA	Solid	Total BTEX	
890-8269-12	HA-8 @ 1.5	Total/NA	Solid	Total BTEX	
890-8269-13	HA-9 @ 0.5	Total/NA	Solid	Total BTEX	
890-8269-15	HA-9 @ 1.5	Total/NA	Solid	Total BTEX	
890-8269-16	HA-10 @ 0.5	Total/NA	Solid	Total BTEX	
890-8269-18	HA-10 @ 1.5	Total/NA	Solid	Total BTEX	
890-8269-19	HA-11 @ 0.21	Total/NA	Solid	Total BTEX	
890-8269-22	HA-12 @ 1.5	Total/NA	Solid	Total BTEX	
890-8269-25	HA-13 @ 1.5	Total/NA	Solid	Total BTEX	

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## QC Association Summary

Client: Tasman Geosciences Inc  
Project/Site: Yada CJob ID: 890-8269-1  
SDG: 8871

## GC Semi VOA

## Prep Batch: 111558

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8269-2	HA-4 @ 1.5	Total/NA	Solid	8015NM Prep	
890-8269-5	HA-5 @ 1.5	Total/NA	Solid	8015NM Prep	
890-8269-8	HA-6 @ 1.5	Total/NA	Solid	8015NM Prep	
890-8269-9	HA-7 @ 0.5	Total/NA	Solid	8015NM Prep	
890-8269-10	HA-8 @ 0.5	Total/NA	Solid	8015NM Prep	
890-8269-12	HA-8 @ 1.5	Total/NA	Solid	8015NM Prep	
890-8269-13	HA-9 @ 0.5	Total/NA	Solid	8015NM Prep	
890-8269-15	HA-9 @ 1.5	Total/NA	Solid	8015NM Prep	
890-8269-16	HA-10 @ 0.5	Total/NA	Solid	8015NM Prep	
890-8269-18	HA-10 @ 1.5	Total/NA	Solid	8015NM Prep	
890-8269-19	HA-11 @ 0.21	Total/NA	Solid	8015NM Prep	
890-8269-22	HA-12 @ 1.5	Total/NA	Solid	8015NM Prep	
890-8269-25	HA-13 @ 1.5	Total/NA	Solid	8015NM Prep	
MB 880-111558/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-111558/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-111558/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-8269-2 MS	HA-4 @ 1.5	Total/NA	Solid	8015NM Prep	
890-8269-2 MSD	HA-4 @ 1.5	Total/NA	Solid	8015NM Prep	

## Analysis Batch: 111564

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8269-2	HA-4 @ 1.5	Total/NA	Solid	8015B NM	111558
890-8269-5	HA-5 @ 1.5	Total/NA	Solid	8015B NM	111558
890-8269-8	HA-6 @ 1.5	Total/NA	Solid	8015B NM	111558
890-8269-9	HA-7 @ 0.5	Total/NA	Solid	8015B NM	111558
890-8269-10	HA-8 @ 0.5	Total/NA	Solid	8015B NM	111558
890-8269-12	HA-8 @ 1.5	Total/NA	Solid	8015B NM	111558
890-8269-13	HA-9 @ 0.5	Total/NA	Solid	8015B NM	111558
890-8269-15	HA-9 @ 1.5	Total/NA	Solid	8015B NM	111558
890-8269-16	HA-10 @ 0.5	Total/NA	Solid	8015B NM	111558
890-8269-18	HA-10 @ 1.5	Total/NA	Solid	8015B NM	111558
890-8269-19	HA-11 @ 0.21	Total/NA	Solid	8015B NM	111558
890-8269-22	HA-12 @ 1.5	Total/NA	Solid	8015B NM	111558
890-8269-25	HA-13 @ 1.5	Total/NA	Solid	8015B NM	111558
MB 880-111558/1-A	Method Blank	Total/NA	Solid	8015B NM	111558
LCS 880-111558/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	111558
LCSD 880-111558/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	111558
890-8269-2 MS	HA-4 @ 1.5	Total/NA	Solid	8015B NM	111558
890-8269-2 MSD	HA-4 @ 1.5	Total/NA	Solid	8015B NM	111558

## Analysis Batch: 111696

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8269-2	HA-4 @ 1.5	Total/NA	Solid	8015 NM	
890-8269-5	HA-5 @ 1.5	Total/NA	Solid	8015 NM	
890-8269-8	HA-6 @ 1.5	Total/NA	Solid	8015 NM	
890-8269-9	HA-7 @ 0.5	Total/NA	Solid	8015 NM	
890-8269-10	HA-8 @ 0.5	Total/NA	Solid	8015 NM	
890-8269-12	HA-8 @ 1.5	Total/NA	Solid	8015 NM	
890-8269-13	HA-9 @ 0.5	Total/NA	Solid	8015 NM	
890-8269-15	HA-9 @ 1.5	Total/NA	Solid	8015 NM	
890-8269-16	HA-10 @ 0.5	Total/NA	Solid	8015 NM	

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## QC Association Summary

Client: Tasman Geosciences Inc  
Project/Site: Yada CJob ID: 890-8269-1  
SDG: 8871

## GC Semi VOA (Continued)

## Analysis Batch: 111696 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8269-18	HA-10 @ 1.5	Total/NA	Solid	8015 NM	
890-8269-19	HA-11 @ 0.21	Total/NA	Solid	8015 NM	
890-8269-22	HA-12 @ 1.5	Total/NA	Solid	8015 NM	
890-8269-25	HA-13 @ 1.5	Total/NA	Solid	8015 NM	

## HPLC/IC

## Leach Batch: 111568

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8269-2	HA-4 @ 1.5	Soluble	Solid	DI Leach	
890-8269-5	HA-5 @ 1.5	Soluble	Solid	DI Leach	
890-8269-8	HA-6 @ 1.5	Soluble	Solid	DI Leach	
890-8269-9	HA-7 @ 0.5	Soluble	Solid	DI Leach	
890-8269-10	HA-8 @ 0.5	Soluble	Solid	DI Leach	
890-8269-12	HA-8 @ 1.5	Soluble	Solid	DI Leach	
890-8269-13	HA-9 @ 0.5	Soluble	Solid	DI Leach	
890-8269-15	HA-9 @ 1.5	Soluble	Solid	DI Leach	
890-8269-16	HA-10 @ 0.5	Soluble	Solid	DI Leach	
890-8269-18	HA-10 @ 1.5	Soluble	Solid	DI Leach	
890-8269-19	HA-11 @ 0.21	Soluble	Solid	DI Leach	
890-8269-22	HA-12 @ 1.5	Soluble	Solid	DI Leach	
890-8269-25	HA-13 @ 1.5	Soluble	Solid	DI Leach	
MB 880-111568/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-111568/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-111568/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-8269-9 MS	HA-7 @ 0.5	Soluble	Solid	DI Leach	
890-8269-9 MSD	HA-7 @ 0.5	Soluble	Solid	DI Leach	

## Analysis Batch: 111571

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8269-2	HA-4 @ 1.5	Soluble	Solid	300.0	111568
890-8269-5	HA-5 @ 1.5	Soluble	Solid	300.0	111568
890-8269-8	HA-6 @ 1.5	Soluble	Solid	300.0	111568
890-8269-9	HA-7 @ 0.5	Soluble	Solid	300.0	111568
890-8269-10	HA-8 @ 0.5	Soluble	Solid	300.0	111568
890-8269-12	HA-8 @ 1.5	Soluble	Solid	300.0	111568
890-8269-13	HA-9 @ 0.5	Soluble	Solid	300.0	111568
890-8269-15	HA-9 @ 1.5	Soluble	Solid	300.0	111568
890-8269-16	HA-10 @ 0.5	Soluble	Solid	300.0	111568
890-8269-18	HA-10 @ 1.5	Soluble	Solid	300.0	111568
890-8269-19	HA-11 @ 0.21	Soluble	Solid	300.0	111568
890-8269-22	HA-12 @ 1.5	Soluble	Solid	300.0	111568
890-8269-25	HA-13 @ 1.5	Soluble	Solid	300.0	111568
MB 880-111568/1-A	Method Blank	Soluble	Solid	300.0	111568
LCS 880-111568/2-A	Lab Control Sample	Soluble	Solid	300.0	111568
LCSD 880-111568/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	111568
890-8269-9 MS	HA-7 @ 0.5	Soluble	Solid	300.0	111568
890-8269-9 MSD	HA-7 @ 0.5	Soluble	Solid	300.0	111568

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### Lab Chronicle

Client: Tasman Geosciences Inc  
 Project/Site: Yada C

Job ID: 890-8269-1  
 SDG: 8871

**Client Sample ID: HA-4 @ 1.5**

**Lab Sample ID: 890-8269-2**

Date Collected: 06/02/25 09:45

Matrix: Solid

Date Received: 06/04/25 14:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	111561	06/05/25 09:08	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	111547	06/05/25 11:37	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			111615	06/05/25 11:37	AJ	EET MID
Total/NA	Analysis	8015 NM		1			111696	06/05/25 18:48	AJ	EET MID
Total/NA	Prep	8015NM Prep			9.98 g	10 mL	111558	06/05/25 09:02	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	111564	06/05/25 18:48	TKC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	111568	06/05/25 10:28	SI	EET MID
Soluble	Analysis	300.0		5			111571	06/05/25 19:46	CH	EET MID

**Client Sample ID: HA-5 @ 1.5**

**Lab Sample ID: 890-8269-5**

Date Collected: 06/02/25 10:33

Matrix: Solid

Date Received: 06/04/25 14:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	111561	06/05/25 09:08	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	111547	06/05/25 11:58	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			111615	06/05/25 11:58	AJ	EET MID
Total/NA	Analysis	8015 NM		1			111696	06/05/25 19:37	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	111558	06/05/25 09:02	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	111564	06/05/25 19:37	TKC	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	111568	06/05/25 10:28	SI	EET MID
Soluble	Analysis	300.0		1			111571	06/05/25 19:53	CH	EET MID

**Client Sample ID: HA-6 @ 1.5**

**Lab Sample ID: 890-8269-8**

Date Collected: 06/02/25 10:46

Matrix: Solid

Date Received: 06/04/25 14:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	111561	06/05/25 09:08	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	111547	06/05/25 12:18	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			111615	06/05/25 12:18	AJ	EET MID
Total/NA	Analysis	8015 NM		1			111696	06/05/25 19:54	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	111558	06/05/25 09:02	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	111564	06/05/25 19:54	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	111568	06/05/25 10:28	SI	EET MID
Soluble	Analysis	300.0		1			111571	06/05/25 20:00	CH	EET MID

**Client Sample ID: HA-7 @ 0.5**

**Lab Sample ID: 890-8269-9**

Date Collected: 06/02/25 09:50

Matrix: Solid

Date Received: 06/04/25 14:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	111561	06/05/25 09:08	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	111547	06/05/25 12:39	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			111615	06/05/25 12:39	AJ	EET MID

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### Lab Chronicle

Client: Tasman Geosciences Inc  
Project/Site: Yada C

Job ID: 890-8269-1  
SDG: 8871

**Client Sample ID: HA-7 @ 0.5**

**Lab Sample ID: 890-8269-9**

Date Collected: 06/02/25 09:50

Matrix: Solid

Date Received: 06/04/25 14:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			111696	06/05/25 20:10	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	111558	06/05/25 09:02	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	111564	06/05/25 20:10	TKC	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	111568	06/05/25 10:28	SI	EET MID
Soluble	Analysis	300.0		1			111571	06/05/25 20:07	CH	EET MID

**Client Sample ID: HA-8 @ 0.5**

**Lab Sample ID: 890-8269-10**

Date Collected: 06/02/25 10:17

Matrix: Solid

Date Received: 06/04/25 14:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	111561	06/05/25 09:08	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	111547	06/05/25 12:59	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			111615	06/05/25 12:59	AJ	EET MID
Total/NA	Analysis	8015 NM		1			111696	06/05/25 20:26	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	111558	06/05/25 09:02	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	111564	06/05/25 20:26	TKC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	111568	06/05/25 10:28	SI	EET MID
Soluble	Analysis	300.0		1			111571	06/05/25 20:29	CH	EET MID

**Client Sample ID: HA-8 @ 1.5**

**Lab Sample ID: 890-8269-12**

Date Collected: 06/02/25 10:21

Matrix: Solid

Date Received: 06/04/25 14:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	111561	06/05/25 09:08	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	111547	06/05/25 13:20	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			111615	06/05/25 13:20	AJ	EET MID
Total/NA	Analysis	8015 NM		1			111696	06/05/25 20:42	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10 mL	111558	06/05/25 09:02	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	111564	06/05/25 20:42	TKC	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	111568	06/05/25 10:28	SI	EET MID
Soluble	Analysis	300.0		1			111571	06/05/25 20:36	CH	EET MID

**Client Sample ID: HA-9 @ 0.5**

**Lab Sample ID: 890-8269-13**

Date Collected: 06/02/25 10:03

Matrix: Solid

Date Received: 06/04/25 14:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	111561	06/05/25 09:08	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	111547	06/05/25 13:40	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			111615	06/05/25 13:40	AJ	EET MID
Total/NA	Analysis	8015 NM		1			111696	06/05/25 20:58	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	111558	06/05/25 09:02	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	111564	06/05/25 20:58	TKC	EET MID

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### Lab Chronicle

Client: Tasman Geosciences Inc  
Project/Site: Yada C

Job ID: 890-8269-1  
SDG: 8871

**Client Sample ID: HA-9 @ 0.5**

**Lab Sample ID: 890-8269-13**

Date Collected: 06/02/25 10:03

Matrix: Solid

Date Received: 06/04/25 14:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.02 g	50 mL	111568	06/05/25 10:28	SI	EET MID
Soluble	Analysis	300.0		1			111571	06/05/25 20:57	CH	EET MID

**Client Sample ID: HA-9 @ 1.5**

**Lab Sample ID: 890-8269-15**

Date Collected: 06/02/25 10:00

Matrix: Solid

Date Received: 06/04/25 14:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	111561	06/05/25 09:08	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	111547	06/05/25 14:00	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			111615	06/05/25 14:00	AJ	EET MID
Total/NA	Analysis	8015 NM		1			111696	06/05/25 21:14	AJ	EET MID
Total/NA	Prep	8015NM Prep			9.98 g	10 mL	111558	06/05/25 09:02	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	111564	06/05/25 21:14	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	111568	06/05/25 10:28	SI	EET MID
Soluble	Analysis	300.0		1			111571	06/05/25 21:04	CH	EET MID

**Client Sample ID: HA-10 @ 0.5**

**Lab Sample ID: 890-8269-16**

Date Collected: 06/02/25 10:47

Matrix: Solid

Date Received: 06/04/25 14:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	111561	06/05/25 09:08	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	111547	06/05/25 14:21	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			111615	06/05/25 14:21	AJ	EET MID
Total/NA	Analysis	8015 NM		1			111696	06/05/25 21:29	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	111558	06/05/25 09:02	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	111564	06/05/25 21:29	TKC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	111568	06/05/25 10:28	SI	EET MID
Soluble	Analysis	300.0		1			111571	06/05/25 21:11	CH	EET MID

**Client Sample ID: HA-10 @ 1.5**

**Lab Sample ID: 890-8269-18**

Date Collected: 06/02/25 10:50

Matrix: Solid

Date Received: 06/04/25 14:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	111561	06/05/25 09:08	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	111547	06/05/25 15:44	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			111615	06/05/25 15:44	AJ	EET MID
Total/NA	Analysis	8015 NM		1			111696	06/05/25 21:45	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	111558	06/05/25 09:02	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	111564	06/05/25 21:45	TKC	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	111568	06/05/25 10:28	SI	EET MID
Soluble	Analysis	300.0		1			111571	06/05/25 21:18	CH	EET MID

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### Lab Chronicle

Client: Tasman Geosciences Inc  
 Project/Site: Yada C

Job ID: 890-8269-1  
 SDG: 8871

**Client Sample ID: HA-11 @ 0.21**

**Lab Sample ID: 890-8269-19**

Date Collected: 06/02/25 10:52

Matrix: Solid

Date Received: 06/04/25 14:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	111561	06/05/25 09:08	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	111547	06/05/25 16:04	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			111615	06/05/25 16:04	AJ	EET MID
Total/NA	Analysis	8015 NM		1			111696	06/05/25 22:17	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	111558	06/05/25 09:02	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	111564	06/05/25 22:17	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	111568	06/05/25 10:28	SI	EET MID
Soluble	Analysis	300.0		1			111571	06/05/25 21:25	CH	EET MID

**Client Sample ID: HA-12 @ 1.5**

**Lab Sample ID: 890-8269-22**

Date Collected: 06/02/25 10:27

Matrix: Solid

Date Received: 06/04/25 14:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	111561	06/05/25 09:08	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	111547	06/05/25 16:25	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			111615	06/05/25 16:25	AJ	EET MID
Total/NA	Analysis	8015 NM		1			111696	06/05/25 22:33	AJ	EET MID
Total/NA	Prep	8015NM Prep			9.98 g	10 mL	111558	06/05/25 09:02	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	111564	06/05/25 22:33	TKC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	111568	06/05/25 10:28	SI	EET MID
Soluble	Analysis	300.0		5			111571	06/05/25 21:32	CH	EET MID

**Client Sample ID: HA-13 @ 1.5**

**Lab Sample ID: 890-8269-25**

Date Collected: 06/02/25 11:01

Matrix: Solid

Date Received: 06/04/25 14:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	111561	06/05/25 09:08	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	111547	06/05/25 16:45	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			111615	06/05/25 16:45	AJ	EET MID
Total/NA	Analysis	8015 NM		1			111696	06/05/25 22:49	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	111558	06/05/25 09:02	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	111564	06/05/25 22:49	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	111568	06/05/25 10:28	SI	EET MID
Soluble	Analysis	300.0		1			111571	06/05/25 21:39	CH	EET MID

**Laboratory References:**

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

### Accreditation/Certification Summary

Client: Tasman Geosciences Inc  
Project/Site: Yada C

Job ID: 890-8269-1  
SDG: 8871

#### Laboratory: Eurofins Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400	06-30-25

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

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### Method Summary

Client: Tasman Geosciences Inc  
Project/Site: Yada C

Job ID: 890-8269-1  
SDG: 8871

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	EET MID
Total BTEX	Total BTEX Calculation	TAL SOP	EET MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
300.0	Anions, Ion Chromatography	EPA	EET MID
5035	Closed System Purge and Trap	SW846	EET MID
8015NM Prep	Microextraction	SW846	EET MID
DI Leach	Deionized Water Leaching Procedure	ASTM	EET MID

**Protocol References:**

ASTM = ASTM International

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

**Laboratory References:**

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440



### Sample Summary

Client: Tasman Geosciences Inc  
Project/Site: Yada C

Job ID: 890-8269-1  
SDG: 8871

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
890-8269-2	HA-4 @ 1.5	Solid	06/02/25 09:45	06/04/25 14:50
890-8269-5	HA-5 @ 1.5	Solid	06/02/25 10:33	06/04/25 14:50
890-8269-8	HA-6 @ 1.5	Solid	06/02/25 10:46	06/04/25 14:50
890-8269-9	HA-7 @ 0.5	Solid	06/02/25 09:50	06/04/25 14:50
890-8269-10	HA-8 @ 0.5	Solid	06/02/25 10:17	06/04/25 14:50
890-8269-12	HA-8 @ 1.5	Solid	06/02/25 10:21	06/04/25 14:50
890-8269-13	HA-9 @ 0.5	Solid	06/02/25 10:03	06/04/25 14:50
890-8269-15	HA-9 @ 1.5	Solid	06/02/25 10:00	06/04/25 14:50
890-8269-16	HA-10 @ 0.5	Solid	06/02/25 10:47	06/04/25 14:50
890-8269-18	HA-10 @ 1.5	Solid	06/02/25 10:50	06/04/25 14:50
890-8269-19	HA-11 @ 0.21	Solid	06/02/25 10:52	06/04/25 14:50
890-8269-22	HA-12 @ 1.5	Solid	06/02/25 10:27	06/04/25 14:50
890-8269-25	HA-13 @ 1.5	Solid	06/02/25 11:01	06/04/25 14:50

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Environment Testing  
Xenco

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0930  
Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334  
El Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1299  
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 986-3199

Work Order No: \_\_\_\_\_

www.xenco.com Page 3 of 4

**\*Western Midstream\*  
Chain of Custody**

Project Manager:	Kyle Norman	Bill to: (if different)	
Company Name:	Tasman, Inc.	Company Name:	
Address:	2620 W. Marland Blvd	Address:	
City, State ZIP:	Hobbs, New Mexico 88240	City, State ZIP:	
Phone:	575-318-5017	Email:	NMData@tasman-geo.com

Project Name:	Yada C	Turn Around	<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush
Project Number:	8871	Due Date:	
Project Location:	Lea County	TAT starts the day received by the lab, if received by 4:30pm	
Sampler's Name:	Kaleb Johnston	Temp Blank:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
PO #:		Thermometer ID:	7111111
SAMPLE RECEIPT		Wet Ice:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Samples Received Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Correction Factor:	-0.2
Cooler Custody Seals:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Temperature Reading:	-0.5
Sample Custody Seals:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Corrected Temperature:	-0.5
Total Containers:		Parameters	

**ANALYSIS REQUEST**

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/Comp	# of Cont.	BTEX (EPA Method 8000)	Chlorides (EPA Method 300)	TPH (TCEQ Method 141005)	Hold	Preservative Codes	Sample Comments
HA-8 @ 1'	S	6/2/2025	1020		G	1	8021	AK	8015	AK		
HA-8 @ 1.5'	S	6/2/2025	1021		G	1	X	X	X			
HA-9 @ 0.5'	S	6/2/2025	1003		G	1	X	X				
HA-9 @ 1'	S	6/2/2025	1006		G	1				X		
HA-9 @ 1.5'	S	6/2/2025	1007		G	1	X	X				
HA-10 @ 0.5'	S	6/2/2025	1047		G	1	X	X				
HA-10 @ 1'	S	6/2/2025	1049		G	1				X		
HA-10 @ 1.5'	S	6/2/2025	1050		G	1	X	X				
HA-11 @ 0.2'	S	6/2/2025	1052		G	1	X	X				
HA-12 @ 0.5'	S	6/2/2025	1024		G	1				X		

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 AI Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO<sub>2</sub> Na Sr Ti Sn U V Zn  
 Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U Hg: 1631 / 245.1 / 7470 / 7471

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xenco. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
<i>[Signature]</i>	<i>[Signature]</i>	14:50 6/4			



### Login Sample Receipt Checklist

Client: Tasman Geosciences Inc

Job Number: 890-8269-1

SDG Number: 8871

**Login Number: 8269**

**List Number: 1**

**Creator: Lopez, Abraham**

**List Source: Eurofins Carlsbad**

Question	Answer	Comment
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.	N/A	Refer to Job Narrative for details.
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
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").	N/A	

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### Login Sample Receipt Checklist

Client: Tasman Geosciences Inc

Job Number: 890-8269-1

SDG Number: 8871

**Login Number: 8269**

**List Number: 2**

**Creator: Rios, Minerva**

**List Source: Eurofins Midland**  
**List Creation: 06/05/25 09:00 AM**

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
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.	N/A	
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").	N/A	

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Environment Testing

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# ANALYTICAL REPORT

## PREPARED FOR

Attn: Kyle Norman  
 Tasman Geosciences Inc  
 2620 W. Marland Blvd.  
 Hobbs, New Mexico 88240

Generated 7/23/2025 11:39:38 AM

## JOB DESCRIPTION

8871 - YADA C  
 8871

## JOB NUMBER

890-8477-1

Eurofins Carlsbad  
 1089 N Canal St.  
 Carlsbad NM 88220

See page two for job notes and contact information.



# Eurofins Carlsbad

## Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

## Authorization



Generated  
7/23/2025 11:39:38 AM

Authorized for release by  
Jessica Kramer, Project Manager  
[Jessica.Kramer@et.eurofinsus.com](mailto:Jessica.Kramer@et.eurofinsus.com)  
(432)704-5440

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Client: Tasman Geosciences Inc  
Project/Site: 8871 - YADA C

Laboratory Job ID: 890-8477-1  
SDG: 8871

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## Definitions/Glossary

Client: Tasman Geosciences Inc  
Project/Site: 8871 - YADA C

Job ID: 890-8477-1  
SDG: 8871

## Qualifiers

## GC VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

## GC Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.

## HPLC/IC

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
U	Indicates the analyte was analyzed for but not detected.

## Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	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: Tasman Geosciences Inc  
Project: 8871 - YADA C

Job ID: 890-8477-1

**Job ID: 890-8477-1**

**Eurofins Carlsbad**

### Job Narrative 890-8477-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

#### Receipt

The samples were received on 7/17/2025 4:38 PM. 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 -0.4°C.

#### Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: HA - 1 @ 2' (890-8477-1), HA - 1 @ 3' (890-8477-2), HA - 1 @ 4' (890-8477-3), HA - 1 @ 6' (890-8477-4), HA - 1 @ 8' (890-8477-5), HA - 2 @ 2' (890-8477-6), HA - 2 @ 3' (890-8477-7), HA - 2 @ 4' (890-8477-8), HA - 4 @ 2' (890-8477-9), HA - 4 @ 3' (890-8477-10), HA - 4 @ 4' (890-8477-11), HA - 5 @ 2' (890-8477-12), HA - 5 @ 3' (890-8477-13), HA - 5 @ 4' (890-8477-14), HA - 6 @ 2' (890-8477-15), HA - 6 @ 3' (890-8477-16), HA - 6 @ 4' (890-8477-17), HA - 12 @ 2' (890-8477-18), HA - 12 @ 3' (890-8477-19) and HA - 12 @ 4' (890-8477-20).

#### GC VOA

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

#### Diesel Range Organics

Method 8015MOD\_NM: The method blank for preparation batch 880-114480 and analytical batch 880-114577 contained Diesel Range Organics (Over C10-C28) above the method detection limit. This target analyte concentration was less than the reporting limit (RL) in the method blank; 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.

#### HPLC/IC

Method 300\_ORGFM\_28D - Soluble: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-114575 and analytical batch 880-114590 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Eurofins Carlsbad

## Client Sample Results

Client: Tasman Geosciences Inc  
Project/Site: 8871 - YADA CJob ID: 890-8477-1  
SDG: 8871

Client Sample ID: HA - 1 @ 4'

Lab Sample ID: 890-8477-3

Date Collected: 07/16/25 09:51

Matrix: Solid

Date Received: 07/17/25 16:38

## Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.00139	mg/Kg		07/21/25 07:50	07/21/25 12:13	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg		07/21/25 07:50	07/21/25 12:13	1
Ethylbenzene	<0.00200	U	0.00200	0.00109	mg/Kg		07/21/25 07:50	07/21/25 12:13	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	0.00228	mg/Kg		07/21/25 07:50	07/21/25 12:13	1
o-Xylene	<0.00200	U	0.00200	0.00158	mg/Kg		07/21/25 07:50	07/21/25 12:13	1
Xylenes, Total	<0.00399	U	0.00399	0.00228	mg/Kg		07/21/25 07:50	07/21/25 12:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130	07/21/25 07:50	07/21/25 12:13	1
1,4-Difluorobenzene (Surr)	89		70 - 130	07/21/25 07:50	07/21/25 12:13	1

## Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	0.00228	mg/Kg			07/21/25 12:13	1

## Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	15.1	mg/Kg			07/21/25 17:25	1

## Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	14.5	mg/Kg		07/18/25 11:33	07/21/25 17:25	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	15.1	mg/Kg		07/18/25 11:33	07/21/25 17:25	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.1	mg/Kg		07/18/25 11:33	07/21/25 17:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	114		70 - 130	07/18/25 11:33	07/21/25 17:25	1
o-Terphenyl	103		70 - 130	07/18/25 11:33	07/21/25 17:25	1

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1660		49.5	1.96	mg/Kg			07/21/25 19:46	5

Client Sample ID: HA - 1 @ 8'

Lab Sample ID: 890-8477-5

Date Collected: 07/16/25 10:45

Matrix: Solid

Date Received: 07/17/25 16:38

## Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	0.00140	mg/Kg		07/21/25 07:50	07/21/25 15:43	1
Toluene	<0.00201	U	0.00201	0.00201	mg/Kg		07/21/25 07:50	07/21/25 15:43	1
Ethylbenzene	<0.00201	U	0.00201	0.00109	mg/Kg		07/21/25 07:50	07/21/25 15:43	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	0.00229	mg/Kg		07/21/25 07:50	07/21/25 15:43	1
o-Xylene	<0.00201	U	0.00201	0.00159	mg/Kg		07/21/25 07:50	07/21/25 15:43	1
Xylenes, Total	<0.00402	U	0.00402	0.00229	mg/Kg		07/21/25 07:50	07/21/25 15:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130	07/21/25 07:50	07/21/25 15:43	1
1,4-Difluorobenzene (Surr)	96		70 - 130	07/21/25 07:50	07/21/25 15:43	1

Eurofins Carlsbad

### Client Sample Results

Client: Tasman Geosciences Inc  
 Project/Site: 8871 - YADA C

Job ID: 890-8477-1  
 SDG: 8871

Client Sample ID: HA - 1 @ 8'

Lab Sample ID: 890-8477-5

Date Collected: 07/16/25 10:45

Matrix: Solid

Date Received: 07/17/25 16:38

**Method: TAL SOP Total BTEX - Total BTEX Calculation**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	0.00229	mg/Kg			07/21/25 15:43	1

**Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8	15.1	mg/Kg			07/21/25 17:46	1

**Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8	14.5	mg/Kg		07/18/25 11:33	07/21/25 17:46	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	15.1	mg/Kg		07/18/25 11:33	07/21/25 17:46	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	15.1	mg/Kg		07/18/25 11:33	07/21/25 17:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	111		70 - 130	07/18/25 11:33	07/21/25 17:46	1
o-Terphenyl	100		70 - 130	07/18/25 11:33	07/21/25 17:46	1

**Method: EPA 300.0 - Anions, Ion Chromatography - Soluble**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	345	F1	9.90	0.391	mg/Kg			07/21/25 19:54	1

Client Sample ID: HA - 2 @ 3'

Lab Sample ID: 890-8477-7

Date Collected: 07/16/25 10:59

Matrix: Solid

Date Received: 07/17/25 16:38

**Method: SW846 8021B - Volatile Organic Compounds (GC)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.00139	mg/Kg		07/22/25 08:12	07/22/25 13:47	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg		07/22/25 08:12	07/22/25 13:47	1
Ethylbenzene	<0.00200	U	0.00200	0.00109	mg/Kg		07/22/25 08:12	07/22/25 13:47	1
m-Xylene & p-Xylene	<0.00401	U	0.00401	0.00229	mg/Kg		07/22/25 08:12	07/22/25 13:47	1
o-Xylene	<0.00200	U	0.00200	0.00159	mg/Kg		07/22/25 08:12	07/22/25 13:47	1
Xylenes, Total	<0.00401	U	0.00401	0.00229	mg/Kg		07/22/25 08:12	07/22/25 13:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130	07/22/25 08:12	07/22/25 13:47	1
1,4-Difluorobenzene (Surr)	97		70 - 130	07/22/25 08:12	07/22/25 13:47	1

**Method: TAL SOP Total BTEX - Total BTEX Calculation**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401	0.00229	mg/Kg			07/22/25 13:47	1

**Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8	15.1	mg/Kg			07/21/25 18:03	1

**Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8	14.5	mg/Kg		07/18/25 11:33	07/21/25 18:03	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	15.1	mg/Kg		07/18/25 11:33	07/21/25 18:03	1

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### Client Sample Results

Client: Tasman Geosciences Inc  
Project/Site: 8871 - YADA C

Job ID: 890-8477-1  
SDG: 8871

**Client Sample ID: HA - 2 @ 3'**

**Lab Sample ID: 890-8477-7**

Date Collected: 07/16/25 10:59

Matrix: Solid

Date Received: 07/17/25 16:38

**Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	15.1	mg/Kg		07/18/25 11:33	07/21/25 18:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	111		70 - 130				07/18/25 11:33	07/21/25 18:03	1
o-Terphenyl	99		70 - 130				07/18/25 11:33	07/21/25 18:03	1

**Method: EPA 300.0 - Anions, Ion Chromatography - Soluble**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	245		10.0	0.397	mg/Kg			07/21/25 20:17	1

**Client Sample ID: HA - 4 @ 4'**

**Lab Sample ID: 890-8477-11**

Date Collected: 07/16/25 11:22

Matrix: Solid

Date Received: 07/17/25 16:38

**Method: SW846 8021B - Volatile Organic Compounds (GC)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	0.00138	mg/Kg		07/21/25 07:50	07/21/25 17:38	1
Toluene	<0.00199	U	0.00199	0.00199	mg/Kg		07/21/25 07:50	07/21/25 17:38	1
Ethylbenzene	<0.00199	U	0.00199	0.00108	mg/Kg		07/21/25 07:50	07/21/25 17:38	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	0.00227	mg/Kg		07/21/25 07:50	07/21/25 17:38	1
o-Xylene	<0.00199	U	0.00199	0.00157	mg/Kg		07/21/25 07:50	07/21/25 17:38	1
Xylenes, Total	<0.00398	U	0.00398	0.00227	mg/Kg		07/21/25 07:50	07/21/25 17:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130				07/21/25 07:50	07/21/25 17:38	1
1,4-Difluorobenzene (Surr)	88		70 - 130				07/21/25 07:50	07/21/25 17:38	1

**Method: TAL SOP Total BTEX - Total BTEX Calculation**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	0.00227	mg/Kg			07/21/25 17:38	1

**Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7	15.0	mg/Kg			07/21/25 19:11	1

**Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7	14.4	mg/Kg		07/18/25 11:33	07/21/25 19:11	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7	15.0	mg/Kg		07/18/25 11:33	07/21/25 19:11	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7	15.0	mg/Kg		07/18/25 11:33	07/21/25 19:11	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	108		70 - 130				07/18/25 11:33	07/21/25 19:11	1
o-Terphenyl	98		70 - 130				07/18/25 11:33	07/21/25 19:11	1

**Method: EPA 300.0 - Anions, Ion Chromatography - Soluble**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	589		10.1	0.398	mg/Kg			07/21/25 20:24	1

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### Client Sample Results

Client: Tasman Geosciences Inc  
 Project/Site: 8871 - YADA C

Job ID: 890-8477-1  
 SDG: 8871

Client Sample ID: HA - 5 @ 2'

Lab Sample ID: 890-8477-12

Date Collected: 07/16/25 11:45

Matrix: Solid

Date Received: 07/17/25 16:38

**Method: SW846 8021B - Volatile Organic Compounds (GC)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.00139	mg/Kg		07/21/25 07:50	07/21/25 17:59	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg		07/21/25 07:50	07/21/25 17:59	1
Ethylbenzene	<0.00200	U	0.00200	0.00109	mg/Kg		07/21/25 07:50	07/21/25 17:59	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	0.00228	mg/Kg		07/21/25 07:50	07/21/25 17:59	1
o-Xylene	<0.00200	U	0.00200	0.00158	mg/Kg		07/21/25 07:50	07/21/25 17:59	1
Xylenes, Total	<0.00399	U	0.00399	0.00228	mg/Kg		07/21/25 07:50	07/21/25 17:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130	07/21/25 07:50	07/21/25 17:59	1
1,4-Difluorobenzene (Surr)	100		70 - 130	07/21/25 07:50	07/21/25 17:59	1

**Method: TAL SOP Total BTEX - Total BTEX Calculation**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	0.00228	mg/Kg			07/21/25 17:59	1

**Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1	15.2	mg/Kg			07/21/25 19:27	1

**Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1	14.6	mg/Kg		07/18/25 11:33	07/21/25 19:27	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1	15.2	mg/Kg		07/18/25 11:33	07/21/25 19:27	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1	15.2	mg/Kg		07/18/25 11:33	07/21/25 19:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	112		70 - 130	07/18/25 11:33	07/21/25 19:27	1
o-Terphenyl	99		70 - 130	07/18/25 11:33	07/21/25 19:27	1

**Method: EPA 300.0 - Anions, Ion Chromatography - Soluble**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	363		9.96	0.393	mg/Kg			07/21/25 20:47	1

Client Sample ID: HA - 6 @ 2'

Lab Sample ID: 890-8477-15

Date Collected: 07/16/25 12:04

Matrix: Solid

Date Received: 07/17/25 16:38

**Method: SW846 8021B - Volatile Organic Compounds (GC)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198	0.00138	mg/Kg		07/21/25 07:50	07/21/25 18:19	1
Toluene	<0.00198	U	0.00198	0.00198	mg/Kg		07/21/25 07:50	07/21/25 18:19	1
Ethylbenzene	<0.00198	U	0.00198	0.00108	mg/Kg		07/21/25 07:50	07/21/25 18:19	1
m-Xylene & p-Xylene	<0.00396	U	0.00396	0.00226	mg/Kg		07/21/25 07:50	07/21/25 18:19	1
o-Xylene	<0.00198	U	0.00198	0.00157	mg/Kg		07/21/25 07:50	07/21/25 18:19	1
Xylenes, Total	<0.00396	U	0.00396	0.00226	mg/Kg		07/21/25 07:50	07/21/25 18:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 130	07/21/25 07:50	07/21/25 18:19	1
1,4-Difluorobenzene (Surr)	99		70 - 130	07/21/25 07:50	07/21/25 18:19	1

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### Client Sample Results

Client: Tasman Geosciences Inc  
Project/Site: 8871 - YADA C

Job ID: 890-8477-1  
SDG: 8871

Client Sample ID: HA - 6 @ 2'

Lab Sample ID: 890-8477-15

Date Collected: 07/16/25 12:04

Matrix: Solid

Date Received: 07/17/25 16:38

**Method: TAL SOP Total BTEX - Total BTEX Calculation**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396	0.00226	mg/Kg			07/21/25 18:19	1

**Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1	15.1	mg/Kg			07/21/25 19:44	1

**Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1	14.5	mg/Kg		07/18/25 11:33	07/21/25 19:44	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1	15.1	mg/Kg		07/18/25 11:33	07/21/25 19:44	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1	15.1	mg/Kg		07/18/25 11:33	07/21/25 19:44	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
1-Chlorooctane	113		70 - 130				07/18/25 11:33	07/21/25 19:44	1
o-Terphenyl	102		70 - 130				07/18/25 11:33	07/21/25 19:44	1

**Method: EPA 300.0 - Anions, Ion Chromatography - Soluble**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	368		9.98	0.394	mg/Kg			07/21/25 20:55	1

Client Sample ID: HA - 12 @ 2'

Lab Sample ID: 890-8477-18

Date Collected: 07/16/25 12:21

Matrix: Solid

Date Received: 07/17/25 16:38

**Method: SW846 8021B - Volatile Organic Compounds (GC)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	0.00140	mg/Kg		07/21/25 07:50	07/21/25 18:40	1
Toluene	<0.00201	U	0.00201	0.00201	mg/Kg		07/21/25 07:50	07/21/25 18:40	1
Ethylbenzene	<0.00201	U	0.00201	0.00109	mg/Kg		07/21/25 07:50	07/21/25 18:40	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	0.00229	mg/Kg		07/21/25 07:50	07/21/25 18:40	1
o-Xylene	<0.00201	U	0.00201	0.00159	mg/Kg		07/21/25 07:50	07/21/25 18:40	1
Xylenes, Total	<0.00402	U	0.00402	0.00229	mg/Kg		07/21/25 07:50	07/21/25 18:40	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
4-Bromofluorobenzene (Surr)	99		70 - 130				07/21/25 07:50	07/21/25 18:40	1
1,4-Difluorobenzene (Surr)	94		70 - 130				07/21/25 07:50	07/21/25 18:40	1

**Method: TAL SOP Total BTEX - Total BTEX Calculation**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	0.00229	mg/Kg			07/21/25 18:40	1

**Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	16.2	J	50.2	15.2	mg/Kg			07/22/25 22:56	1

**Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.2	U	50.2	14.6	mg/Kg		07/21/25 10:20	07/22/25 22:56	1
Diesel Range Organics (Over C10-C28)	16.2	J	50.2	15.2	mg/Kg		07/21/25 10:20	07/22/25 22:56	1

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### Client Sample Results

Client: Tasman Geosciences Inc  
 Project/Site: 8871 - YADA C

Job ID: 890-8477-1  
 SDG: 8871

Client Sample ID: HA - 12 @ 2'

Lab Sample ID: 890-8477-18

Date Collected: 07/16/25 12:21

Matrix: Solid

Date Received: 07/17/25 16:38

**Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.2	U	50.2	15.2	mg/Kg		07/21/25 10:20	07/22/25 22:56	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	110		70 - 130				07/21/25 10:20	07/22/25 22:56	1
o-Terphenyl	114		70 - 130				07/21/25 10:20	07/22/25 22:56	1

**Method: EPA 300.0 - Anions, Ion Chromatography - Soluble**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	193		9.92	0.392	mg/Kg			07/21/25 21:03	1

## Surrogate Summary

Client: Tasman Geosciences Inc  
Project/Site: 8871 - YADA C

Job ID: 890-8477-1  
SDG: 8871

## Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		BFB1 (70-130)	DFBZ1 (70-130)
890-8477-3	HA - 1 @ 4'	110	89
890-8477-3 MS	HA - 1 @ 4'	103	103
890-8477-3 MSD	HA - 1 @ 4'	104	102
890-8477-5	HA - 1 @ 8'	103	96
890-8477-7	HA - 2 @ 3'	107	97
890-8477-11	HA - 4 @ 4'	114	88
890-8477-12	HA - 5 @ 2'	98	100
890-8477-15	HA - 6 @ 2'	94	99
890-8477-18	HA - 12 @ 2'	99	94
LCS 880-114535/1-A	Lab Control Sample	99	103
LCS 880-114639/1-A	Lab Control Sample	100	104
LCSD 880-114535/2-A	Lab Control Sample Dup	96	104
LCSD 880-114639/2-A	Lab Control Sample Dup	102	105
MB 880-114535/5-A	Method Blank	95	89
MB 880-114639/5-A	Method Blank	96	94

**Surrogate Legend**

BFB = 4-Bromofluorobenzene (Surr)  
DFBZ = 1,4-Difluorobenzene (Surr)

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		1CO1 (70-130)	OTPH1 (70-130)
890-8477-3	HA - 1 @ 4'	114	103
890-8477-5	HA - 1 @ 8'	111	100
890-8477-7	HA - 2 @ 3'	111	99
890-8477-11	HA - 4 @ 4'	108	98
890-8477-12	HA - 5 @ 2'	112	99
890-8477-15	HA - 6 @ 2'	113	102
890-8477-18	HA - 12 @ 2'	110	114
LCS 880-114480/2-A	Lab Control Sample	106	106
LCS 880-114559/2-A	Lab Control Sample	130	124
LCSD 880-114480/3-A	Lab Control Sample Dup	103	102
LCSD 880-114559/3-A	Lab Control Sample Dup	130	126
MB 880-114480/1-A	Method Blank	100	94
MB 880-114559/1-A	Method Blank	94	99

**Surrogate Legend**

1CO = 1-Chlorooctane  
OTPH = o-Terphenyl

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### QC Sample Results

Client: Tasman Geosciences Inc  
 Project/Site: 8871 - YADA C

Job ID: 890-8477-1  
 SDG: 8871

#### Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-114535/5-A  
 Matrix: Solid  
 Analysis Batch: 114542

Client Sample ID: Method Blank  
 Prep Type: Total/NA  
 Prep Batch: 114535

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	0.00139	mg/Kg		07/21/25 07:50	07/21/25 11:52	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg		07/21/25 07:50	07/21/25 11:52	1
Ethylbenzene	<0.00200	U	0.00200	0.00109	mg/Kg		07/21/25 07:50	07/21/25 11:52	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.00229	mg/Kg		07/21/25 07:50	07/21/25 11:52	1
o-Xylene	<0.00200	U	0.00200	0.00158	mg/Kg		07/21/25 07:50	07/21/25 11:52	1
Xylenes, Total	<0.00400	U	0.00400	0.00229	mg/Kg		07/21/25 07:50	07/21/25 11:52	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130	07/21/25 07:50	07/21/25 11:52	1
1,4-Difluorobenzene (Surr)	89		70 - 130	07/21/25 07:50	07/21/25 11:52	1

Lab Sample ID: LCS 880-114535/1-A  
 Matrix: Solid  
 Analysis Batch: 114542

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA  
 Prep Batch: 114535

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09488		mg/Kg		95	70 - 130
Toluene	0.100	0.08918		mg/Kg		89	70 - 130
Ethylbenzene	0.100	0.1017		mg/Kg		102	70 - 130
m-Xylene & p-Xylene	0.200	0.2020		mg/Kg		101	70 - 130
o-Xylene	0.100	0.09988		mg/Kg		100	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	99		70 - 130
1,4-Difluorobenzene (Surr)	103		70 - 130

Lab Sample ID: LCSD 880-114535/2-A  
 Matrix: Solid  
 Analysis Batch: 114542

Client Sample ID: Lab Control Sample Dup  
 Prep Type: Total/NA  
 Prep Batch: 114535

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	0.100	0.1049		mg/Kg		105	70 - 130	10	35
Toluene	0.100	0.09452		mg/Kg		95	70 - 130	6	35
Ethylbenzene	0.100	0.1064		mg/Kg		106	70 - 130	5	35
m-Xylene & p-Xylene	0.200	0.2105		mg/Kg		105	70 - 130	4	35
o-Xylene	0.100	0.1035		mg/Kg		104	70 - 130	4	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	96		70 - 130
1,4-Difluorobenzene (Surr)	104		70 - 130

Lab Sample ID: 890-8477-3 MS  
 Matrix: Solid  
 Analysis Batch: 114542

Client Sample ID: HA - 1 @ 4'  
 Prep Type: Total/NA  
 Prep Batch: 114535

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.100	0.09905		mg/Kg		99	70 - 130
Toluene	<0.00200	U	0.100	0.09443		mg/Kg		94	70 - 130

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### QC Sample Results

Client: Tasman Geosciences Inc  
Project/Site: 8871 - YADA C

Job ID: 890-8477-1  
SDG: 8871

#### Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: 890-8477-3 MS

Client Sample ID: HA - 1 @ 4'

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 114542

Prep Batch: 114535

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec
	Result	Qualifier		Added	Result				
Ethylbenzene	<0.00200	U	0.100	0.1064		mg/Kg		106	70 - 130
m-Xylene & p-Xylene	<0.00399	U	0.200	0.2102		mg/Kg		105	70 - 130
o-Xylene	<0.00200	U	0.100	0.1047		mg/Kg		105	70 - 130

Surrogate	MS	MS	Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	103		70 - 130
1,4-Difluorobenzene (Surr)	103		70 - 130

Lab Sample ID: 890-8477-3 MSD

Client Sample ID: HA - 1 @ 4'

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 114542

Prep Batch: 114535

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec	RPD	Limit
	Result	Qualifier		Added	Result						
Benzene	<0.00200	U	0.100	0.09406		mg/Kg		94	70 - 130	5	35
Toluene	<0.00200	U	0.100	0.08700		mg/Kg		87	70 - 130	8	35
Ethylbenzene	<0.00200	U	0.100	0.09709		mg/Kg		97	70 - 130	9	35
m-Xylene & p-Xylene	<0.00399	U	0.200	0.1906		mg/Kg		95	70 - 130	10	35
o-Xylene	<0.00200	U	0.100	0.09508		mg/Kg		95	70 - 130	10	35

Surrogate	MSD	MSD	Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	104		70 - 130
1,4-Difluorobenzene (Surr)	102		70 - 130

Lab Sample ID: MB 880-114639/5-A

Client Sample ID: Method Blank

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 114646

Prep Batch: 114639

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Benzene	<0.00200	U	0.00200	0.00139	mg/Kg		07/22/25 08:12	07/22/25 11:22	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg		07/22/25 08:12	07/22/25 11:22	1
Ethylbenzene	<0.00200	U	0.00200	0.00109	mg/Kg		07/22/25 08:12	07/22/25 11:22	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	0.00229	mg/Kg		07/22/25 08:12	07/22/25 11:22	1
o-Xylene	<0.00200	U	0.00200	0.00158	mg/Kg		07/22/25 08:12	07/22/25 11:22	1
Xylenes, Total	<0.00400	U	0.00400	0.00229	mg/Kg		07/22/25 08:12	07/22/25 11:22	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
4-Bromofluorobenzene (Surr)	96		70 - 130	07/22/25 08:12	07/22/25 11:22	1
1,4-Difluorobenzene (Surr)	94		70 - 130	07/22/25 08:12	07/22/25 11:22	1

Lab Sample ID: LCS 880-114639/1-A

Client Sample ID: Lab Control Sample

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 114646

Prep Batch: 114639

Analyte	Spike	LCS	LCS	Unit	D	%Rec	%Rec
Benzene	0.100	0.1027		mg/Kg		103	70 - 130
Toluene	0.100	0.08831		mg/Kg		88	70 - 130
Ethylbenzene	0.100	0.09374		mg/Kg		94	70 - 130
m-Xylene & p-Xylene	0.200	0.1822		mg/Kg		91	70 - 130

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### QC Sample Results

Client: Tasman Geosciences Inc  
Project/Site: 8871 - YADA C

Job ID: 890-8477-1  
SDG: 8871

#### Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: LCS 880-114639/1-A  
Matrix: Solid  
Analysis Batch: 114646

Client Sample ID: Lab Control Sample  
Prep Type: Total/NA  
Prep Batch: 114639

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
o-Xylene	0.100	0.09211		mg/Kg		92	70 - 130
<b>Surrogate</b>		<b>LCS %Recovery</b>	<b>LCS Qualifier</b>				<b>Limits</b>
4-Bromofluorobenzene (Surr)		100					70 - 130
1,4-Difluorobenzene (Surr)		104					70 - 130

Lab Sample ID: LCSD 880-114639/2-A  
Matrix: Solid  
Analysis Batch: 114646

Client Sample ID: Lab Control Sample Dup  
Prep Type: Total/NA  
Prep Batch: 114639

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	0.100	0.1071		mg/Kg		107	70 - 130	4	35
Toluene	0.100	0.09198		mg/Kg		92	70 - 130	4	35
Ethylbenzene	0.100	0.09747		mg/Kg		97	70 - 130	4	35
m-Xylene & p-Xylene	0.200	0.1895		mg/Kg		95	70 - 130	4	35
o-Xylene	0.100	0.09564		mg/Kg		96	70 - 130	4	35
<b>Surrogate</b>		<b>LCSD %Recovery</b>	<b>LCSD Qualifier</b>				<b>Limits</b>		
4-Bromofluorobenzene (Surr)		102					70 - 130		
1,4-Difluorobenzene (Surr)		105					70 - 130		

#### Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 880-114480/1-A  
Matrix: Solid  
Analysis Batch: 114577

Client Sample ID: Method Blank  
Prep Type: Total/NA  
Prep Batch: 114480

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	14.5	mg/Kg		07/18/25 11:33	07/21/25 09:41	1
Diesel Range Organics (Over C10-C28)	15.77	J	50.0	15.1	mg/Kg		07/18/25 11:33	07/21/25 09:41	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.1	mg/Kg		07/18/25 11:33	07/21/25 09:41	1
<b>Surrogate</b>		<b>MB %Recovery</b>	<b>MB Qualifier</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
1-Chlorooctane		100					07/18/25 11:33	07/21/25 09:41	1
o-Terphenyl		94					07/18/25 11:33	07/21/25 09:41	1

Lab Sample ID: LCS 880-114480/2-A  
Matrix: Solid  
Analysis Batch: 114577

Client Sample ID: Lab Control Sample  
Prep Type: Total/NA  
Prep Batch: 114480

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1067		mg/Kg		107	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1133		mg/Kg		113	70 - 130

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### QC Sample Results

Client: Tasman Geosciences Inc  
 Project/Site: 8871 - YADA C

Job ID: 890-8477-1  
 SDG: 8871

#### Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

**Lab Sample ID: LCS 880-114480/2-A**  
**Matrix: Solid**  
**Analysis Batch: 114577**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 114480**

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
1-Chlorooctane	106		70 - 130
o-Terphenyl	106		70 - 130

**Lab Sample ID: LCSD 880-114480/3-A**  
**Matrix: Solid**  
**Analysis Batch: 114577**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total/NA**  
**Prep Batch: 114480**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec		RPD	Limit
							Limits	RPD		
Gasoline Range Organics (GRO)-C6-C10	1000	1028		mg/Kg		103	70 - 130	4	20	
Diesel Range Organics (Over C10-C28)	1000	1042		mg/Kg		104	70 - 130	8	20	

Surrogate	LCSD LCSD		Limits
	%Recovery	Qualifier	
1-Chlorooctane	103		70 - 130
o-Terphenyl	102		70 - 130

**Lab Sample ID: MB 880-114559/1-A**  
**Matrix: Solid**  
**Analysis Batch: 114678**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 114559**

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	14.5	mg/Kg		07/21/25 10:20	07/22/25 20:54	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	15.1	mg/Kg		07/21/25 10:20	07/22/25 20:54	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	15.1	mg/Kg		07/21/25 10:20	07/22/25 20:54	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1-Chlorooctane	94		70 - 130	07/21/25 10:20	07/22/25 20:54	1
o-Terphenyl	99		70 - 130	07/21/25 10:20	07/22/25 20:54	1

**Lab Sample ID: LCS 880-114559/2-A**  
**Matrix: Solid**  
**Analysis Batch: 114678**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 114559**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec	
							Limits	
Gasoline Range Organics (GRO)-C6-C10	1000	1263		mg/Kg		126	70 - 130	
Diesel Range Organics (Over C10-C28)	1000	1183		mg/Kg		118	70 - 130	

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
1-Chlorooctane	130		70 - 130
o-Terphenyl	124		70 - 130

### QC Sample Results

Client: Tasman Geosciences Inc  
Project/Site: 8871 - YADA C

Job ID: 890-8477-1  
SDG: 8871

#### Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCSD 880-114559/3-A  
Matrix: Solid  
Analysis Batch: 114678

Client Sample ID: Lab Control Sample Dup  
Prep Type: Total/NA  
Prep Batch: 114559

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec		RPD	Limit
							Limits	RPD		
Gasoline Range Organics (GRO)-C6-C10	1000	1257		mg/Kg		126	70 - 130	0		20
Diesel Range Organics (Over C10-C28)	1000	1195		mg/Kg		119	70 - 130	1		20
<b>Surrogate</b>		<b>LCSD %Recovery</b>	<b>LCSD Qualifier</b>				<b>Limits</b>			<b>RPD</b>
1-Chlorooctane		130					70 - 130			
o-Terphenyl		126					70 - 130			

#### Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-114575/1-A  
Matrix: Solid  
Analysis Batch: 114590

Client Sample ID: Method Blank  
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac

Lab Sample ID: LCS 880-114575/2-A  
Matrix: Solid  
Analysis Batch: 114590

Client Sample ID: Lab Control Sample  
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec		RPD	Limit
							Limits	RPD		
Chloride	250	229.7		mg/Kg		92	90 - 110			

Lab Sample ID: LCSD 880-114575/3-A  
Matrix: Solid  
Analysis Batch: 114590

Client Sample ID: Lab Control Sample Dup  
Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec		RPD	Limit
							Limits	RPD		
Chloride	250	230.1		mg/Kg		92	90 - 110	0		20

Lab Sample ID: 890-8477-5 MS  
Matrix: Solid  
Analysis Batch: 114590

Client Sample ID: HA - 1 @ 8'  
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec		RPD	Limit
									Limits	RPD		
Chloride	345	F1	248	530.5	F1	mg/Kg		75	90 - 110			

Lab Sample ID: 890-8477-5 MSD  
Matrix: Solid  
Analysis Batch: 114590

Client Sample ID: HA - 1 @ 8'  
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec		RPD	Limit
									Limits	RPD		
Chloride	345	F1	248	541.3	F1	mg/Kg		79	90 - 110	2		20

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## QC Association Summary

Client: Tasman Geosciences Inc  
Project/Site: 8871 - YADA CJob ID: 890-8477-1  
SDG: 8871

## GC VOA

## Prep Batch: 114535

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8477-3	HA - 1 @ 4'	Total/NA	Solid	5035	
890-8477-5	HA - 1 @ 8'	Total/NA	Solid	5035	
890-8477-11	HA - 4 @ 4'	Total/NA	Solid	5035	
890-8477-12	HA - 5 @ 2'	Total/NA	Solid	5035	
890-8477-15	HA - 6 @ 2'	Total/NA	Solid	5035	
890-8477-18	HA - 12 @ 2'	Total/NA	Solid	5035	
MB 880-114535/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-114535/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-114535/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-8477-3 MS	HA - 1 @ 4'	Total/NA	Solid	5035	
890-8477-3 MSD	HA - 1 @ 4'	Total/NA	Solid	5035	

## Analysis Batch: 114542

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8477-3	HA - 1 @ 4'	Total/NA	Solid	8021B	114535
890-8477-5	HA - 1 @ 8'	Total/NA	Solid	8021B	114535
890-8477-11	HA - 4 @ 4'	Total/NA	Solid	8021B	114535
890-8477-12	HA - 5 @ 2'	Total/NA	Solid	8021B	114535
890-8477-15	HA - 6 @ 2'	Total/NA	Solid	8021B	114535
890-8477-18	HA - 12 @ 2'	Total/NA	Solid	8021B	114535
MB 880-114535/5-A	Method Blank	Total/NA	Solid	8021B	114535
LCS 880-114535/1-A	Lab Control Sample	Total/NA	Solid	8021B	114535
LCSD 880-114535/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	114535
890-8477-3 MS	HA - 1 @ 4'	Total/NA	Solid	8021B	114535
890-8477-3 MSD	HA - 1 @ 4'	Total/NA	Solid	8021B	114535

## Analysis Batch: 114612

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8477-3	HA - 1 @ 4'	Total/NA	Solid	Total BTEX	
890-8477-5	HA - 1 @ 8'	Total/NA	Solid	Total BTEX	
890-8477-7	HA - 2 @ 3'	Total/NA	Solid	Total BTEX	
890-8477-11	HA - 4 @ 4'	Total/NA	Solid	Total BTEX	
890-8477-12	HA - 5 @ 2'	Total/NA	Solid	Total BTEX	
890-8477-15	HA - 6 @ 2'	Total/NA	Solid	Total BTEX	
890-8477-18	HA - 12 @ 2'	Total/NA	Solid	Total BTEX	

## Prep Batch: 114639

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8477-7	HA - 2 @ 3'	Total/NA	Solid	5035	
MB 880-114639/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-114639/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-114639/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

## Analysis Batch: 114646

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8477-7	HA - 2 @ 3'	Total/NA	Solid	8021B	114639
MB 880-114639/5-A	Method Blank	Total/NA	Solid	8021B	114639
LCS 880-114639/1-A	Lab Control Sample	Total/NA	Solid	8021B	114639
LCSD 880-114639/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	114639

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## QC Association Summary

Client: Tasman Geosciences Inc  
Project/Site: 8871 - YADA CJob ID: 890-8477-1  
SDG: 8871

## GC Semi VOA

## Prep Batch: 114480

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8477-3	HA - 1 @ 4'	Total/NA	Solid	8015NM Prep	
890-8477-5	HA - 1 @ 8'	Total/NA	Solid	8015NM Prep	
890-8477-7	HA - 2 @ 3'	Total/NA	Solid	8015NM Prep	
890-8477-11	HA - 4 @ 4'	Total/NA	Solid	8015NM Prep	
890-8477-12	HA - 5 @ 2'	Total/NA	Solid	8015NM Prep	
890-8477-15	HA - 6 @ 2'	Total/NA	Solid	8015NM Prep	
MB 880-114480/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-114480/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-114480/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

## Prep Batch: 114559

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8477-18	HA - 12 @ 2'	Total/NA	Solid	8015NM Prep	
MB 880-114559/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-114559/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-114559/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

## Analysis Batch: 114577

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8477-3	HA - 1 @ 4'	Total/NA	Solid	8015B NM	114480
890-8477-5	HA - 1 @ 8'	Total/NA	Solid	8015B NM	114480
890-8477-7	HA - 2 @ 3'	Total/NA	Solid	8015B NM	114480
890-8477-11	HA - 4 @ 4'	Total/NA	Solid	8015B NM	114480
890-8477-12	HA - 5 @ 2'	Total/NA	Solid	8015B NM	114480
890-8477-15	HA - 6 @ 2'	Total/NA	Solid	8015B NM	114480
MB 880-114480/1-A	Method Blank	Total/NA	Solid	8015B NM	114480
LCS 880-114480/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	114480
LCSD 880-114480/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	114480

## Analysis Batch: 114678

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8477-18	HA - 12 @ 2'	Total/NA	Solid	8015B NM	114559
MB 880-114559/1-A	Method Blank	Total/NA	Solid	8015B NM	114559
LCS 880-114559/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	114559
LCSD 880-114559/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	114559

## Analysis Batch: 114712

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8477-3	HA - 1 @ 4'	Total/NA	Solid	8015 NM	
890-8477-5	HA - 1 @ 8'	Total/NA	Solid	8015 NM	
890-8477-7	HA - 2 @ 3'	Total/NA	Solid	8015 NM	
890-8477-11	HA - 4 @ 4'	Total/NA	Solid	8015 NM	
890-8477-12	HA - 5 @ 2'	Total/NA	Solid	8015 NM	
890-8477-15	HA - 6 @ 2'	Total/NA	Solid	8015 NM	
890-8477-18	HA - 12 @ 2'	Total/NA	Solid	8015 NM	

## HPLC/IC

## Leach Batch: 114575

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8477-3	HA - 1 @ 4'	Soluble	Solid	DI Leach	

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## QC Association Summary

Client: Tasman Geosciences Inc  
Project/Site: 8871 - YADA C

Job ID: 890-8477-1  
SDG: 8871

## HPLC/IC (Continued)

## Leach Batch: 114575 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8477-5	HA - 1 @ 8'	Soluble	Solid	DI Leach	
890-8477-7	HA - 2 @ 3'	Soluble	Solid	DI Leach	
890-8477-11	HA - 4 @ 4'	Soluble	Solid	DI Leach	
890-8477-12	HA - 5 @ 2'	Soluble	Solid	DI Leach	
890-8477-15	HA - 6 @ 2'	Soluble	Solid	DI Leach	
890-8477-18	HA - 12 @ 2'	Soluble	Solid	DI Leach	
MB 880-114575/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-114575/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-114575/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-8477-5 MS	HA - 1 @ 8'	Soluble	Solid	DI Leach	
890-8477-5 MSD	HA - 1 @ 8'	Soluble	Solid	DI Leach	

## Analysis Batch: 114590

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8477-3	HA - 1 @ 4'	Soluble	Solid	300.0	114575
890-8477-5	HA - 1 @ 8'	Soluble	Solid	300.0	114575
890-8477-7	HA - 2 @ 3'	Soluble	Solid	300.0	114575
890-8477-11	HA - 4 @ 4'	Soluble	Solid	300.0	114575
890-8477-12	HA - 5 @ 2'	Soluble	Solid	300.0	114575
890-8477-15	HA - 6 @ 2'	Soluble	Solid	300.0	114575
890-8477-18	HA - 12 @ 2'	Soluble	Solid	300.0	114575
MB 880-114575/1-A	Method Blank	Soluble	Solid	300.0	114575
LCS 880-114575/2-A	Lab Control Sample	Soluble	Solid	300.0	114575
LCSD 880-114575/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	114575
890-8477-5 MS	HA - 1 @ 8'	Soluble	Solid	300.0	114575
890-8477-5 MSD	HA - 1 @ 8'	Soluble	Solid	300.0	114575

### Lab Chronicle

Client: Tasman Geosciences Inc  
 Project/Site: 8871 - YADA C

Job ID: 890-8477-1  
 SDG: 8871

**Client Sample ID: HA - 1 @ 4'**

**Lab Sample ID: 890-8477-3**

Date Collected: 07/16/25 09:51

Matrix: Solid

Date Received: 07/17/25 16:38

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	114535	07/21/25 07:50	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	114542	07/21/25 12:13	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			114612	07/21/25 12:13	SA	EET MID
Total/NA	Analysis	8015 NM		1			114712	07/21/25 17:25	SA	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	114480	07/18/25 11:33	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	114577	07/21/25 17:25	TKC	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	114575	07/21/25 11:00	SA	EET MID
Soluble	Analysis	300.0		5			114590	07/21/25 19:46	CS	EET MID

**Client Sample ID: HA - 1 @ 8'**

**Lab Sample ID: 890-8477-5**

Date Collected: 07/16/25 10:45

Matrix: Solid

Date Received: 07/17/25 16:38

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	114535	07/21/25 07:50	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	114542	07/21/25 15:43	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			114612	07/21/25 15:43	SA	EET MID
Total/NA	Analysis	8015 NM		1			114712	07/21/25 17:46	SA	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	114480	07/18/25 11:33	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	114577	07/21/25 17:46	TKC	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	114575	07/21/25 11:00	SA	EET MID
Soluble	Analysis	300.0		1			114590	07/21/25 19:54	CS	EET MID

**Client Sample ID: HA - 2 @ 3'**

**Lab Sample ID: 890-8477-7**

Date Collected: 07/16/25 10:59

Matrix: Solid

Date Received: 07/17/25 16:38

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	114639	07/22/25 08:12	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	114646	07/22/25 13:47	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			114612	07/22/25 13:47	SA	EET MID
Total/NA	Analysis	8015 NM		1			114712	07/21/25 18:03	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	114480	07/18/25 11:33	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	114577	07/21/25 18:03	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	114575	07/21/25 11:00	SA	EET MID
Soluble	Analysis	300.0		1			114590	07/21/25 20:17	CS	EET MID

**Client Sample ID: HA - 4 @ 4'**

**Lab Sample ID: 890-8477-11**

Date Collected: 07/16/25 11:22

Matrix: Solid

Date Received: 07/17/25 16:38

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	114535	07/21/25 07:50	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	114542	07/21/25 17:38	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			114612	07/21/25 17:38	SA	EET MID

Eurofins Carlsbad

### Lab Chronicle

Client: Tasman Geosciences Inc  
 Project/Site: 8871 - YADA C

Job ID: 890-8477-1  
 SDG: 8871

**Client Sample ID: HA - 4 @ 4'**

**Lab Sample ID: 890-8477-11**

Date Collected: 07/16/25 11:22

Matrix: Solid

Date Received: 07/17/25 16:38

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			114712	07/21/25 19:11	SA	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	114480	07/18/25 11:33	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	114577	07/21/25 19:11	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	114575	07/21/25 11:00	SA	EET MID
Soluble	Analysis	300.0		1			114590	07/21/25 20:24	CS	EET MID

**Client Sample ID: HA - 5 @ 2'**

**Lab Sample ID: 890-8477-12**

Date Collected: 07/16/25 11:45

Matrix: Solid

Date Received: 07/17/25 16:38

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	114535	07/21/25 07:50	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	114542	07/21/25 17:59	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			114612	07/21/25 17:59	SA	EET MID
Total/NA	Analysis	8015 NM		1			114712	07/21/25 19:27	SA	EET MID
Total/NA	Prep	8015NM Prep			9.98 g	10 mL	114480	07/18/25 11:33	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	114577	07/21/25 19:27	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	114575	07/21/25 11:00	SA	EET MID
Soluble	Analysis	300.0		1			114590	07/21/25 20:47	CS	EET MID

**Client Sample ID: HA - 6 @ 2'**

**Lab Sample ID: 890-8477-15**

Date Collected: 07/16/25 12:04

Matrix: Solid

Date Received: 07/17/25 16:38

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	114535	07/21/25 07:50	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	114542	07/21/25 18:19	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			114612	07/21/25 18:19	SA	EET MID
Total/NA	Analysis	8015 NM		1			114712	07/21/25 19:44	SA	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10 mL	114480	07/18/25 11:33	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	114577	07/21/25 19:44	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	114575	07/21/25 11:00	SA	EET MID
Soluble	Analysis	300.0		1			114590	07/21/25 20:55	CS	EET MID

**Client Sample ID: HA - 12 @ 2'**

**Lab Sample ID: 890-8477-18**

Date Collected: 07/16/25 12:21

Matrix: Solid

Date Received: 07/17/25 16:38

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	114535	07/21/25 07:50	AA	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	114542	07/21/25 18:40	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			114612	07/21/25 18:40	SA	EET MID
Total/NA	Analysis	8015 NM		1			114712	07/22/25 22:56	SA	EET MID
Total/NA	Prep	8015NM Prep			9.97 g	10 mL	114559	07/21/25 10:20	FC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	114678	07/22/25 22:56	TKC	EET MID

Eurofins Carlsbad

### Lab Chronicle

Client: Tasman Geosciences Inc  
Project/Site: 8871 - YADA C

Job ID: 890-8477-1  
SDG: 8871

**Client Sample ID: HA - 12 @ 2'**

**Lab Sample ID: 890-8477-18**

**Date Collected: 07/16/25 12:21**

**Matrix: Solid**

**Date Received: 07/17/25 16:38**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.04 g	50 mL	114575	07/21/25 11:00	SA	EET MID
Soluble	Analysis	300.0		1			114590	07/21/25 21:03	CS	EET MID

**Laboratory References:**

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

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### Accreditation/Certification Summary

Client: Tasman Geosciences Inc  
Project/Site: 8871 - YADA C

Job ID: 890-8477-1  
SDG: 8871

#### Laboratory: Eurofins Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400	06-30-26

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

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### Method Summary

Client: Tasman Geosciences Inc  
Project/Site: 8871 - YADA C

Job ID: 890-8477-1  
SDG: 8871

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	EET MID
Total BTEX	Total BTEX Calculation	TAL SOP	EET MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
300.0	Anions, Ion Chromatography	EPA	EET MID
5035	Closed System Purge and Trap	SW846	EET MID
8015NM Prep	Microextraction	SW846	EET MID
DI Leach	Deionized Water Leaching Procedure	ASTM	EET MID

**Protocol References:**

- ASTM = ASTM International
- EPA = US Environmental Protection Agency
- SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.
- TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

**Laboratory References:**

- EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440



### Sample Summary

Client: Tasman Geosciences Inc  
Project/Site: 8871 - YADA C

Job ID: 890-8477-1  
SDG: 8871

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
890-8477-3	HA - 1 @ 4'	Solid	07/16/25 09:51	07/17/25 16:38
890-8477-5	HA - 1 @ 8'	Solid	07/16/25 10:45	07/17/25 16:38
890-8477-7	HA - 2 @ 3'	Solid	07/16/25 10:59	07/17/25 16:38
890-8477-11	HA - 4 @ 4'	Solid	07/16/25 11:22	07/17/25 16:38
890-8477-12	HA - 5 @ 2'	Solid	07/16/25 11:45	07/17/25 16:38
890-8477-15	HA - 6 @ 2'	Solid	07/16/25 12:04	07/17/25 16:38
890-8477-18	HA - 12 @ 2'	Solid	07/16/25 12:21	07/17/25 16:38

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Environment Testing  
Xenco

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300  
Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334  
El Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296  
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199

Work Order No: \_\_\_\_\_

www.xenco.com Page 1 of 2

Project Manager:	Kyle Norman	Bill to: (if different)	
Company Name:	Tasman, Inc.	Company Name:	
Address:	2620 W. Marland Blvd	Address:	
City, State ZIP:	Hobbs, New Mexico 88240	City, State ZIP:	
Phone:	575-318-5017	Email:	NMData@tasman-geo.com

Project Name:	8871-Yada C	Turn Around	<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush	Pres. Code	
Project Number:	8871	Due Date:			
Project Location:	Kaleb Johnson	TAT starts the day received by the lab, if received by 4:30pm			
Sampler's Name:		Temp Blank:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Wet Ice:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
PO #:		Thermometer ID:		Correction Factor:	
SAMPLE RECEIPT		Sample Custody Seals:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Temperature Reading:	-0.8
Samples Received Intact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Sample Custody Seals:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Temperature Reading:	-0.8
Cooler Custody Seals:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Sample Custody Seals:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Temperature Reading:	-0.8
Sample Custody Seals:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Sample Custody Seals:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Temperature Reading:	-0.8
Total Containers:		Corrected Temperature:			



890-8477 Chain of Custody

ANALYSIS REQUEST

Preservative Codes

Program:	UST/PST	<input type="checkbox"/> RP	<input type="checkbox"/> Rowfields	<input type="checkbox"/> RC	<input type="checkbox"/> perfund
State of Project:					
Reporting: Level II	<input type="checkbox"/>	Level III	<input type="checkbox"/>	PST/UST	<input type="checkbox"/>
TRRP	<input type="checkbox"/>	Level IV	<input type="checkbox"/>		
Deliverables: EDD	<input type="checkbox"/>	ADAPT	<input type="checkbox"/>	Other:	

- None: NO
- DI Water: H<sub>2</sub>O
- Cool: Cool
- MeOH: Me
- HCL: HC
- HNO<sub>3</sub>: HN
- H<sub>2</sub>SO<sub>4</sub>: H<sub>2</sub>
- NaOH: Na
- H<sub>3</sub>PO<sub>4</sub>: HP
- NaHSO<sub>4</sub>: NABIS
- Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub>: NASO<sub>3</sub>
- Zn Acetate+NaOH: Zn
- NaOH+Ascorbic Acid: SAPC

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/Comp	# of Cont	BTEX (EPA Method 8021B)	Chlorides (EPA Method 300)	TPH (EPA Method 8015M Extended)	Hold	Sample Comments
HA-1 @ 2'		7/16/25	09:45			1	X			X	
HA-1 @ 3'		7/16/25	09:48			1	X			X	
HA-1 @ 4'		7/16/25	09:51			1	X			X	
HA-1 @ 6'		7/16/25	10:26			1	X			X	
HA-1 @ 8'		7/16/25	10:45			1	X			X	
HA-2 @ 2'		7/16/25	10:57			1	X			X	
HA-2 @ 3'		7/16/25	10:58			1	X			X	
HA-2 @ 4'		7/16/25	11:00			1	X			X	
HA-4 @ 2'		7/16/25	11:18			1	X			X	
HA-4 @ 3'		7/16/25	11:20			1	X			X	

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 AI Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Ni K Se Ag SiO<sub>2</sub> Na Sr Ti Sn U V Zn  
 Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U Hg: 1631 / 245.1 / 7470 / 7471

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xenco. A minimum charge of \$85.00 will be applied to each project and a charge of \$3 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
<i>[Signature]</i>	<i>[Signature]</i>	7/17/16 3:08			

### Login Sample Receipt Checklist

Client: Tasman Geosciences Inc

Job Number: 890-8477-1

SDG Number: 8871

**Login Number: 8477**

**List Number: 1**

**Creator: Bruns, Shannon**

**List Source: Eurofins Carlsbad**

Question	Answer	Comment
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.	N/A	Refer to Job Narrative for details.
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
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").	N/A	

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### Login Sample Receipt Checklist

Client: Tasman Geosciences Inc

Job Number: 890-8477-1

SDG Number: 8871

**Login Number: 8477**

**List Number: 2**

**Creator: Laing, Edmundo**

**List Source: Eurofins Midland**  
**List Creation: 07/21/25 07:46 AM**

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
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.	N/A	
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").	N/A	

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Environment Testing

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# ANALYTICAL REPORT

## PREPARED FOR

Attn: Kyle Norman  
Tasman Geosciences Inc  
2620 W. Marland Blvd.  
Hobbs, New Mexico 88240

Generated 10/29/2025 12:38:36 PM

## JOB DESCRIPTION

YADA C  
8871

## JOB NUMBER

890-8976-1

Eurofins Carlsbad  
1089 N Canal St.  
Carlsbad NM 88220

See page two for job notes and contact information.



# Eurofins Carlsbad

## Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

## Authorization



Generated  
10/29/2025 12:38:36 PM

Authorized for release by  
Jessica Kramer, Project Manager  
[Jessica.Kramer@et.eurofinsus.com](mailto:Jessica.Kramer@et.eurofinsus.com)  
(432)704-5440

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Client: Tasman Geosciences Inc  
Project/Site: YADA C

Laboratory Job ID: 890-8976-1  
SDG: 8871

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## Definitions/Glossary

Client: Tasman Geosciences Inc  
Project/Site: YADA C

Job ID: 890-8976-1  
SDG: 8871

## Qualifiers

## GC VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

## GC Semi VOA

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.
U	Indicates the analyte was analyzed for but not detected.

## HPLC/IC

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

## Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	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: Tasman Geosciences Inc  
Project: YADA C

Job ID: 890-8976-1

**Job ID: 890-8976-1**

**Eurofins Carlsbad**

## Job Narrative 890-8976-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

### Receipt

The sample was received on 10/22/2025 2:36 PM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 4.4°C.

### Receipt Exceptions

The following sample was received and analyzed from an unpreserved bulk soil jar: FL - 1 (890-8976-1).

### GC VOA

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

### Diesel Range Organics

Method 8015MOD\_NM: The method blank for preparation batch 880-121845 and analytical batch 880-122237 contained Gasoline Range Organics (GRO)-C6-C10, Oil Range Organics (Over C28-C36) and Total TPH above the method detection limit (MDL). Associated samples were not re-analyzed because the method blank results were less than the reporting limit (RL) OR practical quantitation limit (PQL).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

### HPLC/IC

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

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### Client Sample Results

Client: Tasman Geosciences Inc  
 Project/Site: YADA C

Job ID: 890-8976-1  
 SDG: 8871

**Client Sample ID: FL - 1**

**Lab Sample ID: 890-8976-1**

Date Collected: 10/22/25 09:54

Matrix: Solid

Date Received: 10/22/25 14:36

Sample Depth: 0.5

**Method: SW846 8021B - Volatile Organic Compounds (GC)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00139	U	0.00200	0.00139	mg/Kg		10/28/25 09:01	10/28/25 12:06	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg		10/28/25 09:01	10/28/25 12:06	1
Ethylbenzene	<0.00109	U	0.00200	0.00109	mg/Kg		10/28/25 09:01	10/28/25 12:06	1
m-Xylene & p-Xylene	<0.00228	U	0.00399	0.00228	mg/Kg		10/28/25 09:01	10/28/25 12:06	1
o-Xylene	<0.00158	U	0.00200	0.00158	mg/Kg		10/28/25 09:01	10/28/25 12:06	1
Xylenes, Total	<0.00228	U	0.00399	0.00228	mg/Kg		10/28/25 09:01	10/28/25 12:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130	10/28/25 09:01	10/28/25 12:06	1
1,4-Difluorobenzene (Surr)	98		70 - 130	10/28/25 09:01	10/28/25 12:06	1

**Method: TAL SOP Total BTEX - Total BTEX Calculation**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00228	U	0.00399	0.00228	mg/Kg			10/28/25 12:06	1

**Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	36.1	J	49.8	15.1	mg/Kg			10/29/25 07:39	1

**Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Gasoline Range Organics (GRO)-C6-C10</b>	<b>16.5</b>	<b>J B</b>	49.8	14.5	mg/Kg		10/23/25 08:21	10/29/25 07:39	1
Diesel Range Organics (Over C10-C28)	<15.1	U	49.8	15.1	mg/Kg		10/23/25 08:21	10/29/25 07:39	1
<b>Oil Range Organics (Over C28-C36)</b>	<b>19.6</b>	<b>J B</b>	49.8	15.1	mg/Kg		10/23/25 08:21	10/29/25 07:39	1
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac			
1-Chlorooctane	81		70 - 130	10/23/25 08:21	10/29/25 07:39	1			
o-Terphenyl	88		70 - 130	10/23/25 08:21	10/29/25 07:39	1			

**Method: EPA 300.0 - Anions, Ion Chromatography - Soluble**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6720		100	3.97	mg/Kg			10/24/25 11:56	10

### Surrogate Summary

Client: Tasman Geosciences Inc  
 Project/Site: YADA C

Job ID: 890-8976-1  
 SDG: 8871

**Method: 8021B - Volatile Organic Compounds (GC)**

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
890-8976-1	FL - 1	104	98
890-8976-1 MS	FL - 1	107	104
890-8976-1 MSD	FL - 1	107	101
LCS 880-122192/1-A	Lab Control Sample	100	101
LCSD 880-122192/2-A	Lab Control Sample Dup	100	99
MB 880-122192/5-A	Method Blank	101	91
<b>Surrogate Legend</b>			
BFB = 4-Bromofluorobenzene (Surr)			
DFBZ = 1,4-Difluorobenzene (Surr)			

**Method: 8015B NM - Diesel Range Organics (DRO) (GC)**

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
890-8976-1	FL - 1	81	88
LCS 880-121845/2-A	Lab Control Sample	80	94
LCSD 880-121845/3-A	Lab Control Sample Dup	81	96
MB 880-121845/1-A	Method Blank	78	85
<b>Surrogate Legend</b>			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

### QC Sample Results

Client: Tasman Geosciences Inc  
Project/Site: YADA C

Job ID: 890-8976-1  
SDG: 8871

#### Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-122192/5-A  
Matrix: Solid  
Analysis Batch: 122187

Client Sample ID: Method Blank  
Prep Type: Total/NA  
Prep Batch: 122192

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00139	U	0.00200	0.00139	mg/Kg		10/28/25 09:01	10/28/25 11:45	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg		10/28/25 09:01	10/28/25 11:45	1
Ethylbenzene	<0.00109	U	0.00200	0.00109	mg/Kg		10/28/25 09:01	10/28/25 11:45	1
m-Xylene & p-Xylene	<0.00229	U	0.00400	0.00229	mg/Kg		10/28/25 09:01	10/28/25 11:45	1
o-Xylene	<0.00158	U	0.00200	0.00158	mg/Kg		10/28/25 09:01	10/28/25 11:45	1
Xylenes, Total	<0.00229	U	0.00400	0.00229	mg/Kg		10/28/25 09:01	10/28/25 11:45	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130	10/28/25 09:01	10/28/25 11:45	1
1,4-Difluorobenzene (Surr)	91		70 - 130	10/28/25 09:01	10/28/25 11:45	1

Lab Sample ID: LCS 880-122192/1-A  
Matrix: Solid  
Analysis Batch: 122187

Client Sample ID: Lab Control Sample  
Prep Type: Total/NA  
Prep Batch: 122192

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1053		mg/Kg		105	70 - 130
Toluene	0.100	0.09675		mg/Kg		97	70 - 130
Ethylbenzene	0.100	0.09998		mg/Kg		100	70 - 130
m-Xylene & p-Xylene	0.200	0.2038		mg/Kg		102	70 - 130
o-Xylene	0.100	0.09885		mg/Kg		99	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	100		70 - 130
1,4-Difluorobenzene (Surr)	101		70 - 130

Lab Sample ID: LCSD 880-122192/2-A  
Matrix: Solid  
Analysis Batch: 122187

Client Sample ID: Lab Control Sample Dup  
Prep Type: Total/NA  
Prep Batch: 122192

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	0.100	0.1064		mg/Kg		106	70 - 130	1	35
Toluene	0.100	0.09775		mg/Kg		98	70 - 130	1	35
Ethylbenzene	0.100	0.1018		mg/Kg		102	70 - 130	2	35
m-Xylene & p-Xylene	0.200	0.2074		mg/Kg		104	70 - 130	2	35
o-Xylene	0.100	0.1011		mg/Kg		101	70 - 130	2	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	100		70 - 130
1,4-Difluorobenzene (Surr)	99		70 - 130

Lab Sample ID: 890-8976-1 MS  
Matrix: Solid  
Analysis Batch: 122187

Client Sample ID: FL - 1  
Prep Type: Total/NA  
Prep Batch: 122192

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00139	U	0.100	0.1066		mg/Kg		107	70 - 130
Toluene	<0.00200	U	0.100	0.09697		mg/Kg		97	70 - 130

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### QC Sample Results

Client: Tasman Geosciences Inc  
Project/Site: YADA C

Job ID: 890-8976-1  
SDG: 8871

#### Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: 890-8976-1 MS  
Matrix: Solid  
Analysis Batch: 122187

Client Sample ID: FL - 1  
Prep Type: Total/NA  
Prep Batch: 122192

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec
	Result	Qualifier		Added	Result				
Ethylbenzene	<0.00109	U	0.100	0.1005		mg/Kg		101	70 - 130
m-Xylene & p-Xylene	<0.00228	U	0.200	0.2067		mg/Kg		103	70 - 130
o-Xylene	<0.00158	U	0.100	0.1003		mg/Kg		100	70 - 130

Surrogate	MS	MS	Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	107		70 - 130
1,4-Difluorobenzene (Surr)	104		70 - 130

Lab Sample ID: 890-8976-1 MSD  
Matrix: Solid  
Analysis Batch: 122187

Client Sample ID: FL - 1  
Prep Type: Total/NA  
Prep Batch: 122192

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec	RPD	Limit
	Result	Qualifier		Added	Result						
Benzene	<0.00139	U	0.100	0.1029		mg/Kg		103	70 - 130	3	35
Toluene	<0.00200	U	0.100	0.09436		mg/Kg		94	70 - 130	3	35
Ethylbenzene	<0.00109	U	0.100	0.09748		mg/Kg		97	70 - 130	3	35
m-Xylene & p-Xylene	<0.00228	U	0.200	0.1989		mg/Kg		99	70 - 130	4	35
o-Xylene	<0.00158	U	0.100	0.09691		mg/Kg		97	70 - 130	3	35

Surrogate	MSD	MSD	Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	107		70 - 130
1,4-Difluorobenzene (Surr)	101		70 - 130

#### Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 880-121845/1-A  
Matrix: Solid  
Analysis Batch: 122237

Client Sample ID: Method Blank  
Prep Type: Total/NA  
Prep Batch: 121845

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Gasoline Range Organics (GRO)-C6-C10	17.99	J	50.0	14.5	mg/Kg		10/23/25 08:21	10/29/25 03:25	1
Diesel Range Organics (Over C10-C28)	<15.1	U	50.0	15.1	mg/Kg		10/23/25 08:21	10/29/25 03:25	1
Oil Range Organics (Over C28-C36)	15.43	J	50.0	15.1	mg/Kg		10/23/25 08:21	10/29/25 03:25	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1-Chlorooctane	78		70 - 130	10/23/25 08:21	10/29/25 03:25	1
o-Terphenyl	85		70 - 130	10/23/25 08:21	10/29/25 03:25	1

Lab Sample ID: LCS 880-121845/2-A  
Matrix: Solid  
Analysis Batch: 122237

Client Sample ID: Lab Control Sample  
Prep Type: Total/NA  
Prep Batch: 121845

Analyte	Spike	LCS	LCS	Unit	D	%Rec	%Rec
Gasoline Range Organics (GRO)-C6-C10	1000	1008		mg/Kg		101	70 - 130
Diesel Range Organics (Over C10-C28)	1000	960.6		mg/Kg		96	70 - 130

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### QC Sample Results

Client: Tasman Geosciences Inc  
 Project/Site: YADA C

Job ID: 890-8976-1  
 SDG: 8871

#### Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCS 880-121845/2-A  
 Matrix: Solid  
 Analysis Batch: 122237

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA  
 Prep Batch: 121845

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
1-Chlorooctane	80		70 - 130
o-Terphenyl	94		70 - 130

Lab Sample ID: LCSD 880-121845/3-A  
 Matrix: Solid  
 Analysis Batch: 122237

Client Sample ID: Lab Control Sample Dup  
 Prep Type: Total/NA  
 Prep Batch: 121845

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec		RPD	Limit
							Limits	RPD		
Gasoline Range Organics (GRO)-C6-C10	1000	1027		mg/Kg		103	70 - 130	2		20
Diesel Range Organics (Over C10-C28)	1000	969.7		mg/Kg		97	70 - 130	1		20

Surrogate	LCSD LCSD		Limits
	%Recovery	Qualifier	
1-Chlorooctane	81		70 - 130
o-Terphenyl	96		70 - 130

#### Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-121928/1-A  
 Matrix: Solid  
 Analysis Batch: 121941

Client Sample ID: Method Blank  
 Prep Type: Soluble

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Chloride	<0.395	U	10.0	0.395	mg/Kg			10/24/25 09:00	1

Lab Sample ID: LCS 880-121928/2-A  
 Matrix: Solid  
 Analysis Batch: 121941

Client Sample ID: Lab Control Sample  
 Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec	
							Limits	RPD
Chloride	250	245.7		mg/Kg		98	90 - 110	

Lab Sample ID: LCSD 880-121928/3-A  
 Matrix: Solid  
 Analysis Batch: 121941

Client Sample ID: Lab Control Sample Dup  
 Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec		RPD	Limit
							Limits	RPD		
Chloride	250	244.2		mg/Kg		98	90 - 110	1		20

## QC Association Summary

Client: Tasman Geosciences Inc  
Project/Site: YADA CJob ID: 890-8976-1  
SDG: 8871

## GC VOA

## Analysis Batch: 122187

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8976-1	FL - 1	Total/NA	Solid	8021B	122192
MB 880-122192/5-A	Method Blank	Total/NA	Solid	8021B	122192
LCS 880-122192/1-A	Lab Control Sample	Total/NA	Solid	8021B	122192
LCSD 880-122192/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	122192
890-8976-1 MS	FL - 1	Total/NA	Solid	8021B	122192
890-8976-1 MSD	FL - 1	Total/NA	Solid	8021B	122192

## Prep Batch: 122192

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8976-1	FL - 1	Total/NA	Solid	5035	
MB 880-122192/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-122192/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-122192/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-8976-1 MS	FL - 1	Total/NA	Solid	5035	
890-8976-1 MSD	FL - 1	Total/NA	Solid	5035	

## Analysis Batch: 122284

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8976-1	FL - 1	Total/NA	Solid	Total BTEX	

## GC Semi VOA

## Prep Batch: 121845

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8976-1	FL - 1	Total/NA	Solid	8015NM Prep	
MB 880-121845/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-121845/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-121845/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

## Analysis Batch: 122237

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8976-1	FL - 1	Total/NA	Solid	8015B NM	121845
MB 880-121845/1-A	Method Blank	Total/NA	Solid	8015B NM	121845
LCS 880-121845/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	121845
LCSD 880-121845/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	121845

## Analysis Batch: 122345

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8976-1	FL - 1	Total/NA	Solid	8015 NM	

## HPLC/IC

## Leach Batch: 121928

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8976-1	FL - 1	Soluble	Solid	DI Leach	
MB 880-121928/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-121928/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-121928/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

## Analysis Batch: 121941

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-8976-1	FL - 1	Soluble	Solid	300.0	121928

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### QC Association Summary

Client: Tasman Geosciences Inc  
Project/Site: YADA C

Job ID: 890-8976-1  
SDG: 8871

#### HPLC/IC (Continued)

#### Analysis Batch: 121941 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-121928/1-A	Method Blank	Soluble	Solid	300.0	121928
LCS 880-121928/2-A	Lab Control Sample	Soluble	Solid	300.0	121928
LCSD 880-121928/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	121928

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### Lab Chronicle

Client: Tasman Geosciences Inc  
 Project/Site: YADA C

Job ID: 890-8976-1  
 SDG: 8871

**Client Sample ID: FL - 1**

**Lab Sample ID: 890-8976-1**

**Date Collected: 10/22/25 09:54**

**Matrix: Solid**

**Date Received: 10/22/25 14:36**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	122192	10/28/25 09:01	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	122187	10/28/25 12:06	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			122284	10/28/25 12:06	SA	EET MID
Total/NA	Analysis	8015 NM		1			122345	10/29/25 07:39	SA	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	121845	10/23/25 08:21	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	122237	10/29/25 07:39	FC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	121928	10/23/25 15:49	SI	EET MID
Soluble	Analysis	300.0		10			121941	10/24/25 11:56	CS	EET MID

**Laboratory References:**

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

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### Accreditation/Certification Summary

Client: Tasman Geosciences Inc  
Project/Site: YADA C

Job ID: 890-8976-1  
SDG: 8871

#### Laboratory: Eurofins Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400	06-30-26

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

- 1
- 2
- 3
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- 10
- 11
- 12
- 13
- 14

### Method Summary

Client: Tasman Geosciences Inc  
Project/Site: YADA C

Job ID: 890-8976-1  
SDG: 8871

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	EET MID
Total BTEX	Total BTEX Calculation	TAL SOP	EET MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
300.0	Anions, Ion Chromatography	EPA	EET MID
5035	Closed System Purge and Trap	SW846	EET MID
8015NM Prep	Microextraction	SW846	EET MID
DI Leach	Deionized Water Leaching Procedure	ASTM	EET MID

**Protocol References:**

ASTM = ASTM International

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

**Laboratory References:**

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440



### Sample Summary

Client: Tasman Geosciences Inc  
Project/Site: YADA C

Job ID: 890-8976-1  
SDG: 8871

---

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-8976-1	FL - 1	Solid	10/22/25 09:54	10/22/25 14:36	0.5

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Eurofins Carlsbad

1089 N Canal St.  
Carlsbad, NM 88220  
Phone: 575-988-3199 Fax: 575-988-3199

Chain of Custody Record



Environment Testing

Client Information (Sub Contract Lab)

Client Contact: N/A  
Shipping/Receiving: N/A

Sampler: N/A  
Phone: N/A  
E-Mail: Jessica.Kramer@et.eurofins.com

Lab P#1: Kramer, Jessica  
Accreditations Required (See note): NELAP - Texas

Carrier Tracking No(s): N/A  
State of Origin: Texas

COC No: 890-6010-1  
Page: Page 1 of 1

Company: Eurofins Environment Testing South Cent

Address: 1211 W. Florida Ave.  
City: Midland  
State, Zip: TX, 79701

Due Date Requested: 10/28/2025  
TAT Requested (days): N/A

Phone: 432-704-5440(Tel)

PO #: N/A  
W/O #: N/A

Email: N/A

Project #: 88000278

YADA C

SSOW#: N/A

Site: N/A

Other: N/A

Special Instructions/Note:

Sample Identification - Client ID (Lab ID)

FL - 1 (890-8976-1)

Sample Date: 10/22/25

Sample Time: 09:54

Sample Type: G

Matrix: Solid

Field Filtered Sample (Yes or No):

Perform MS/MSD (Yes or No):

8015MOD\_NM/8015NM\_S\_Prep(MOD) Full TPH

300\_ORGFM\_28D/DI\_LEACHChloride

8021B/5035FP\_CalcBTEX - LL

8015MOD\_Calc

Total\_BTEX\_GCV

Total Number of containers: 1

Analysis Requested

Preservation Codes: 890-8976-1

Primary Deliverable Rank: 2

Unconfirmed  
Deliverable Requested: I, II, III, IV, Other (specify)

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:
Relinquished by: <i>Burns</i>	Date/Time: 10/22/25	1630	Company:
Relinquished by:	Date/Time:		Company:
Relinquished by:	Date/Time:		Company:
Custody Seals Intact: <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks: 2.5/2.4 -1 TRS

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing South Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/test/method being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing South Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central, LLC.

**Possible Hazard Identification**

**Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)**

Return To Client  Disposal By Lab  Archive For \_\_\_\_\_ Months

Special Instructions/QC Requirements:

### Login Sample Receipt Checklist

Client: Tasman Geosciences Inc

Job Number: 890-8976-1

SDG Number: 8871

**Login Number: 8976**

**List Number: 1**

**Creator: Bruns, Shannon**

**List Source: Eurofins Carlsbad**

Question	Answer	Comment
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.	N/A	Refer to Job Narrative for details.
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
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").	N/A	

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### Login Sample Receipt Checklist

Client: Tasman Geosciences Inc

Job Number: 890-8976-1

SDG Number: 8871

**Login Number: 8976**

**List Number: 2**

**Creator: Laing, Edmundo**

**List Source: Eurofins Midland**  
**List Creation: 10/23/25 07:52 AM**

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
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.	N/A	
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").	N/A	

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Environment Testing

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# ANALYTICAL REPORT

## PREPARED FOR

Attn: Kyle Norman  
Tasman Geosciences Inc  
2620 W. Marland Blvd.  
Hobbs, New Mexico 88240

Generated 12/17/2025 4:58:22 PM

## JOB DESCRIPTION

8871\_Yada C  
8871

## JOB NUMBER

880-66169-1

Eurofins Midland  
1211 W. Florida Ave  
Midland TX 79701

See page two for job notes and contact information.



# Eurofins Midland

## Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

## Authorization



Generated  
12/17/2025 4:58:22 PM

Authorized for release by  
Jessica Kramer, Project Manager  
[Jessica.Kramer@et.eurofinsus.com](mailto:Jessica.Kramer@et.eurofinsus.com)  
(432)704-5440

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Client: Tasman Geosciences Inc  
Project/Site: 8871\_Yada C

Laboratory Job ID: 880-66169-1  
SDG: 8871

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## Definitions/Glossary

Client: Tasman Geosciences Inc  
Project/Site: 8871\_Yada C

Job ID: 880-66169-1  
SDG: 8871

## Qualifiers

## GC VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
*1	LCS/LCSD RPD exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

## GC Semi VOA

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.
S1-	Surrogate recovery exceeds control limits, low biased.
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

## HPLC/IC

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
E	Result exceeded calibration range.
F1	MS and/or MSD recovery exceeds control limits.
U	Indicates the analyte was analyzed for but not detected.

## Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	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

Eurofins Midland

### Definitions/Glossary

Client: Tasman Geosciences Inc  
Project/Site: 8871\_Yada C

Job ID: 880-66169-1  
SDG: 8871

#### Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

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## Case Narrative

Client: Tasman Geosciences Inc  
Project: 8871\_Yada C

Job ID: 880-66169-1

**Job ID: 880-66169-1**

**Eurofins Midland**

### Job Narrative 880-66169-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

### Receipt

The samples were received on 12/15/2025 4:02 PM. 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 5.9°C.

### Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: HA-2A @ 0.5' (880-66169-1), HA-2A @ 1' (880-66169-2), HA-2A @ 1.5' (880-66169-3), HA-1A @ 0.5' (880-66169-4), HA-1A @ 1' (880-66169-5), HA-1A @ 1.5' (880-66169-6), HA-3A @ 0.5' (880-66169-7), HA-3A @ 1' (880-66169-8), HA-3A @ 1.5' (880-66169-9), HA-14 @ 0.5' (880-66169-10), HA-14 @ 1' (880-66169-11), HA-14 @ 2' (880-66169-12), HA-14 @ 3' (880-66169-13), HA-15 @ 0.5' (880-66169-14), HA-15 @ 1' (880-66169-15), HA-15 @ 2' (880-66169-16) and HA-15 @ 3' (880-66169-17).

The following samples were received and analyzed from an unpreserved bulk soil jar: HA-2A @ 0.5' (880-66169-1), HA-2A @ 1' (880-66169-2), HA-2A @ 1.5' (880-66169-3), HA-1A @ 0.5' (880-66169-4), HA-1A @ 1' (880-66169-5), HA-1A @ 1.5' (880-66169-6), HA-3A @ 0.5' (880-66169-7), HA-3A @ 1' (880-66169-8), HA-3A @ 1.5' (880-66169-9), HA-14 @ 0.5' (880-66169-10), HA-14 @ 1' (880-66169-11), HA-14 @ 2' (880-66169-12), HA-14 @ 3' (880-66169-13), HA-15 @ 0.5' (880-66169-14), HA-15 @ 1' (880-66169-15), HA-15 @ 2' (880-66169-16) and HA-15 @ 3' (880-66169-17).

### GC VOA

Method 8021B: The laboratory control sample duplicate (LCSD) associated with preparation batch 880-126838 and analytical batch 880-126788 was outside acceptance criteria. Re-extraction and/or re-analysis could not be performed; therefore, the data have been reported. The batch matrix spike/matrix spike duplicate (MS/MSD) was within acceptance limits and may be used to evaluate matrix performance.

Method 8021B: Surrogate recovery for the following samples were outside control limits: HA-1A @ 0.5' (880-66169-4) and HA-14 @ 0.5' (880-66169-10). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-126832 and analytical batch 880-126792 was outside the upper control limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

### Diesel Range Organics

Method 8015MOD\_NM: Surrogate recovery for the following sample was outside control limits: (LCS 880-126759/2-A). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD\_NM: Surrogate recovery for the following sample was outside control limits: HA-15 @ 1' (880-66169-15). Evidence of matrix interferences is not obvious.

Method 8015MOD\_NM: Surrogate recovery for the following sample was outside control limits: HA-1A @ 0.5' (880-66169-4). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD\_NM: The method blank for preparation batch 880-126760 and analytical batch 880-126782 contained Oil Range Organics (Over C28-C36) above the method detection limit. This target analyte concentration was less than the reporting limit (RL) in the method blank; therefore, re-extraction and/or re-analysis of samples was not performed.

Eurofins Midland

### Case Narrative

Client: Tasman Geosciences Inc  
Project: 8871\_Yada C

Job ID: 880-66169-1

#### Job ID: 880-66169-1 (Continued)

**Eurofins Midland**

Method 8015MOD\_NM: Surrogate recovery for the following sample was outside control limits: HA-14 @ 0.5' (880-66169-10). Evidence of matrix interferences is not obvious.

Method 8015MOD\_NM: Surrogate recovery for the following sample was outside control limits: HA-14 @ 1' (880-66169-11). Evidence of matrix interferences is not obvious.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

#### HPLC/IC

Method 300\_ORGFM\_28D - Soluble: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-126779 and analytical batch 880-126805 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 300\_ORGFM\_28D - Soluble: The native sample, matrix spike, and matrix spike duplicate (MS/MSD) associated with preparation batch 880-126779 and analytical batch 880-126805 were performed at the same dilution. Due to the additional level of analyte present in the spiked samples, the concentration of Chloride in the MS/MSD was above the instrument calibration range. The data have been reported and qualified.

Method 300\_ORGFM\_28D - Soluble: Due to the high concentration of Chloride, the matrix spike / matrix spike duplicate (MS/MSD) for preparation batch 880-126780 and analytical batch 880-126826 could not be evaluated for accuracy and precision. The associated laboratory control sample (LCS) met acceptance criteria.

(880-66169-A-15-C MS) and (880-66169-A-15-D MSD)

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Eurofins Midland

### Client Sample Results

Client: Tasman Geosciences Inc  
 Project/Site: 8871\_Yada C

Job ID: 880-66169-1  
 SDG: 8871

**Client Sample ID: HA-2A @ 0.5'**

**Lab Sample ID: 880-66169-1**

Date Collected: 12/15/25 10:23

Matrix: Solid

Date Received: 12/15/25 16:02

Sample Depth: 0.5'

**Method: SW846 8021B - Volatile Organic Compounds (GC)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00139	U	0.00200	0.00139	mg/Kg		12/16/25 08:00	12/16/25 12:08	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg		12/16/25 08:00	12/16/25 12:08	1
Ethylbenzene	<0.00109	U	0.00200	0.00109	mg/Kg		12/16/25 08:00	12/16/25 12:08	1
m-Xylene & p-Xylene	<0.00228	U	0.00399	0.00228	mg/Kg		12/16/25 08:00	12/16/25 12:08	1
<b>o-Xylene</b>	<b>0.00199</b>	<b>J</b>	0.00200	0.00158	mg/Kg		12/16/25 08:00	12/16/25 12:08	1
Xylenes, Total	<0.00228	U	0.00399	0.00228	mg/Kg		12/16/25 08:00	12/16/25 12:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130	12/16/25 08:00	12/16/25 12:08	1
1,4-Difluorobenzene (Surr)	105		70 - 130	12/16/25 08:00	12/16/25 12:08	1

**Method: TAL SOP Total BTEX - Total BTEX Calculation**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00228	U	0.00399	0.00228	mg/Kg			12/16/25 12:08	1

**Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Total TPH</b>	<b>58.6</b>		49.7	15.0	mg/Kg			12/16/25 14:02	1

**Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<14.4	U	49.7	14.4	mg/Kg		12/16/25 13:25	12/16/25 14:02	1
Diesel Range Organics (Over C10-C28)	<15.0	U	49.7	15.0	mg/Kg		12/16/25 13:25	12/16/25 14:02	1
<b>Oil Range Organics (Over C28-C36)</b>	<b>58.6</b>	<b>B</b>	49.7	15.0	mg/Kg		12/16/25 13:25	12/16/25 14:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	109		70 - 130	12/16/25 13:25	12/16/25 14:02	1
o-Terphenyl	118		70 - 130	12/16/25 13:25	12/16/25 14:02	1

**Method: EPA 300.0 - Anions, Ion Chromatography - Soluble**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Chloride</b>	<b>790</b>		10.0	0.395	mg/Kg			12/16/25 09:43	1

**Client Sample ID: HA-2A @ 1.5'**

**Lab Sample ID: 880-66169-3**

Date Collected: 12/15/25 10:29

Matrix: Solid

Date Received: 12/15/25 16:02

Sample Depth: 1.5'

**Method: SW846 8021B - Volatile Organic Compounds (GC)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00141	U	0.00202	0.00141	mg/Kg		12/16/25 08:00	12/16/25 12:49	1
Toluene	<0.00202	U	0.00202	0.00202	mg/Kg		12/16/25 08:00	12/16/25 12:49	1
Ethylbenzene	<0.00110	U	0.00202	0.00110	mg/Kg		12/16/25 08:00	12/16/25 12:49	1
m-Xylene & p-Xylene	<0.00231	U	0.00404	0.00231	mg/Kg		12/16/25 08:00	12/16/25 12:49	1
o-Xylene	<0.00160	U	0.00202	0.00160	mg/Kg		12/16/25 08:00	12/16/25 12:49	1
Xylenes, Total	<0.00231	U	0.00404	0.00231	mg/Kg		12/16/25 08:00	12/16/25 12:49	1

Eurofins Midland

### Client Sample Results

Client: Tasman Geosciences Inc  
 Project/Site: 8871\_Yada C

Job ID: 880-66169-1  
 SDG: 8871

**Client Sample ID: HA-2A @ 1.5'**

**Lab Sample ID: 880-66169-3**

Date Collected: 12/15/25 10:29

Matrix: Solid

Date Received: 12/15/25 16:02

Sample Depth: 1.5'

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	124		70 - 130	12/16/25 08:00	12/16/25 12:49	1
1,4-Difluorobenzene (Surr)	113		70 - 130	12/16/25 08:00	12/16/25 12:49	1

**Method: TAL SOP Total BTEX - Total BTEX Calculation**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00231	U	0.00404	0.00231	mg/Kg			12/16/25 12:49	1

**Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	48.6	J	49.8	15.1	mg/Kg			12/16/25 14:16	1

**Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<14.5	U	49.8	14.5	mg/Kg		12/16/25 13:25	12/16/25 14:16	1
Diesel Range Organics (Over C10-C28)	<15.1	U	49.8	15.1	mg/Kg		12/16/25 13:25	12/16/25 14:16	1
Oil Range Organics (Over C28-C36)	48.6	J B	49.8	15.1	mg/Kg		12/16/25 13:25	12/16/25 14:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	112		70 - 130	12/16/25 13:25	12/16/25 14:16	1
o-Terphenyl	118		70 - 130	12/16/25 13:25	12/16/25 14:16	1

**Method: EPA 300.0 - Anions, Ion Chromatography - Soluble**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	729		50.2	1.98	mg/Kg			12/16/25 11:41	5

**Client Sample ID: HA-1A @ 0.5'**

**Lab Sample ID: 880-66169-4**

Date Collected: 12/15/25 11:30

Matrix: Solid

Date Received: 12/15/25 16:02

Sample Depth: 0.5'

**Method: SW846 8021B - Volatile Organic Compounds (GC)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00138	U	0.00199	0.00138	mg/Kg		12/16/25 09:00	12/16/25 13:09	1
Toluene	<0.00199	U	0.00199	0.00199	mg/Kg		12/16/25 09:00	12/16/25 13:09	1
Ethylbenzene	0.00203		0.00199	0.00108	mg/Kg		12/16/25 09:00	12/16/25 13:09	1
m-Xylene & p-Xylene	<0.00227	U	0.00398	0.00227	mg/Kg		12/16/25 09:00	12/16/25 13:09	1
o-Xylene	0.00160	J	0.00199	0.00157	mg/Kg		12/16/25 09:00	12/16/25 13:09	1
Xylenes, Total	<0.00227	U	0.00398	0.00227	mg/Kg		12/16/25 09:00	12/16/25 13:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	137	S1+	70 - 130	12/16/25 09:00	12/16/25 13:09	1
1,4-Difluorobenzene (Surr)	121		70 - 130	12/16/25 09:00	12/16/25 13:09	1

**Method: TAL SOP Total BTEX - Total BTEX Calculation**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00363	J	0.00398	0.00227	mg/Kg			12/16/25 13:09	1

Eurofins Midland

### Client Sample Results

Client: Tasman Geosciences Inc  
 Project/Site: 8871\_Yada C

Job ID: 880-66169-1  
 SDG: 8871

**Client Sample ID: HA-1A @ 0.5'**

**Lab Sample ID: 880-66169-4**

Date Collected: 12/15/25 11:30

Matrix: Solid

Date Received: 12/15/25 16:02

Sample Depth: 0.5'

**Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	26.7	J	50.1	15.1	mg/Kg			12/16/25 13:48	1

**Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<14.5	U	50.1	14.5	mg/Kg		12/16/25 13:30	12/16/25 13:48	1
Diesel Range Organics (Over C10-C28)	<15.1	U	50.1	15.1	mg/Kg		12/16/25 13:30	12/16/25 13:48	1
Oil Range Organics (Over C28-C36)	26.7	J	50.1	15.1	mg/Kg		12/16/25 13:30	12/16/25 13:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	218	S1+	70 - 130				12/16/25 13:30	12/16/25 13:48	1
o-Terphenyl	226	S1+	70 - 130				12/16/25 13:30	12/16/25 13:48	1

**Method: EPA 300.0 - Anions, Ion Chromatography - Soluble**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	209		10.1	0.399	mg/Kg			12/16/25 10:10	1

**Client Sample ID: HA-1A @ 1.5'**

**Lab Sample ID: 880-66169-6**

Date Collected: 12/15/25 11:35

Matrix: Solid

Date Received: 12/15/25 16:02

Sample Depth: 1.5'

**Method: SW846 8021B - Volatile Organic Compounds (GC)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00139	U	0.00200	0.00139	mg/Kg		12/16/25 09:00	12/16/25 13:30	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg		12/16/25 09:00	12/16/25 13:30	1
Ethylbenzene	0.00111	J	0.00200	0.00109	mg/Kg		12/16/25 09:00	12/16/25 13:30	1
m-Xylene & p-Xylene	0.00242	J	0.00399	0.00228	mg/Kg		12/16/25 09:00	12/16/25 13:30	1
o-Xylene	0.00218		0.00200	0.00158	mg/Kg		12/16/25 09:00	12/16/25 13:30	1
Xylenes, Total	0.00460		0.00399	0.00228	mg/Kg		12/16/25 09:00	12/16/25 13:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130				12/16/25 09:00	12/16/25 13:30	1
1,4-Difluorobenzene (Surr)	106		70 - 130				12/16/25 09:00	12/16/25 13:30	1

**Method: TAL SOP Total BTEX - Total BTEX Calculation**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00571		0.00399	0.00228	mg/Kg			12/16/25 13:30	1

**Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<15.0	U	49.7	15.0	mg/Kg			12/16/25 14:02	1

**Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<14.4	U	49.7	14.4	mg/Kg		12/16/25 13:30	12/16/25 14:02	1
Diesel Range Organics (Over C10-C28)	<15.0	U	49.7	15.0	mg/Kg		12/16/25 13:30	12/16/25 14:02	1
Oil Range Organics (Over C28-C36)	<15.0	U	49.7	15.0	mg/Kg		12/16/25 13:30	12/16/25 14:02	1

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### Client Sample Results

Client: Tasman Geosciences Inc  
 Project/Site: 8871\_Yada C

Job ID: 880-66169-1  
 SDG: 8871

**Client Sample ID: HA-1A @ 1.5'**

**Lab Sample ID: 880-66169-6**

Date Collected: 12/15/25 11:35

Matrix: Solid

Date Received: 12/15/25 16:02

Sample Depth: 1.5'

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	113		70 - 130	12/16/25 13:30	12/16/25 14:02	1
o-Terphenyl	115		70 - 130	12/16/25 13:30	12/16/25 14:02	1

**Method: EPA 300.0 - Anions, Ion Chromatography - Soluble**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1420		49.9	1.97	mg/Kg			12/16/25 10:31	5

**Client Sample ID: HA-3A @0.5'**

**Lab Sample ID: 880-66169-7**

Date Collected: 12/15/25 11:40

Matrix: Solid

Date Received: 12/15/25 16:02

Sample Depth: 0.5'

**Method: SW846 8021B - Volatile Organic Compounds (GC)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00140	U	0.00201	0.00140	mg/Kg		12/16/25 09:00	12/16/25 13:50	1
Toluene	<0.00201	U	0.00201	0.00201	mg/Kg		12/16/25 09:00	12/16/25 13:50	1
Ethylbenzene	<0.00109	U	0.00201	0.00109	mg/Kg		12/16/25 09:00	12/16/25 13:50	1
m-Xylene & p-Xylene	<0.00229	U	0.00402	0.00229	mg/Kg		12/16/25 09:00	12/16/25 13:50	1
o-Xylene	<0.00159	U	0.00201	0.00159	mg/Kg		12/16/25 09:00	12/16/25 13:50	1
Xylenes, Total	<0.00229	U	0.00402	0.00229	mg/Kg		12/16/25 09:00	12/16/25 13:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	117		70 - 130	12/16/25 09:00	12/16/25 13:50	1
1,4-Difluorobenzene (Surr)	110		70 - 130	12/16/25 09:00	12/16/25 13:50	1

**Method: TAL SOP Total BTEX - Total BTEX Calculation**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00229	U	0.00402	0.00229	mg/Kg			12/16/25 13:50	1

**Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<15.0	U	49.6	15.0	mg/Kg			12/16/25 14:16	1

**Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<14.4	U	49.6	14.4	mg/Kg		12/16/25 13:30	12/16/25 14:16	1
Diesel Range Organics (Over C10-C28)	<15.0	U	49.6	15.0	mg/Kg		12/16/25 13:30	12/16/25 14:16	1
Oil Range Organics (Over C28-C36)	<15.0	U	49.6	15.0	mg/Kg		12/16/25 13:30	12/16/25 14:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	106		70 - 130	12/16/25 13:30	12/16/25 14:16	1
o-Terphenyl	109		70 - 130	12/16/25 13:30	12/16/25 14:16	1

**Method: EPA 300.0 - Anions, Ion Chromatography - Soluble**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1510		49.6	1.96	mg/Kg			12/16/25 10:37	5

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### Client Sample Results

Client: Tasman Geosciences Inc  
 Project/Site: 8871\_Yada C

Job ID: 880-66169-1  
 SDG: 8871

**Client Sample ID: HA-3A @1.5'**

**Lab Sample ID: 880-66169-9**

Date Collected: 12/15/25 11:50

Matrix: Solid

Date Received: 12/15/25 16:02

Sample Depth: 1.5'

**Method: SW846 8021B - Volatile Organic Compounds (GC)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00138	U	0.00199	0.00138	mg/Kg		12/16/25 11:06	12/16/25 14:10	1
Toluene	<0.00199	U	0.00199	0.00199	mg/Kg		12/16/25 11:06	12/16/25 14:10	1
<b>Ethylbenzene</b>	<b>0.00124</b>	<b>J</b>	0.00199	0.00108	mg/Kg		12/16/25 11:06	12/16/25 14:10	1
m-Xylene & p-Xylene	<0.00227	U	0.00398	0.00227	mg/Kg		12/16/25 11:06	12/16/25 14:10	1
<b>o-Xylene</b>	<b>0.00253</b>		0.00199	0.00157	mg/Kg		12/16/25 11:06	12/16/25 14:10	1
<b>Xylenes, Total</b>	<b>0.00253</b>	<b>J</b>	0.00398	0.00227	mg/Kg		12/16/25 11:06	12/16/25 14:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130	12/16/25 11:06	12/16/25 14:10	1
1,4-Difluorobenzene (Surr)	106		70 - 130	12/16/25 11:06	12/16/25 14:10	1

**Method: TAL SOP Total BTEX - Total BTEX Calculation**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Total BTEX</b>	<b>0.00377</b>	<b>J</b>	0.00398	0.00227	mg/Kg			12/16/25 14:10	1

**Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<15.1	U	49.8	15.1	mg/Kg			12/17/25 12:11	1

**Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<14.5	U	49.8	14.5	mg/Kg		12/17/25 08:08	12/17/25 12:11	1
Diesel Range Organics (Over C10-C28)	<15.1	U	49.8	15.1	mg/Kg		12/17/25 08:08	12/17/25 12:11	1
Oil Range Organics (Over C28-C36)	<15.1	U	49.8	15.1	mg/Kg		12/17/25 08:08	12/17/25 12:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	119		70 - 130	12/17/25 08:08	12/17/25 12:11	1
o-Terphenyl	115		70 - 130	12/17/25 08:08	12/17/25 12:11	1

**Method: EPA 300.0 - Anions, Ion Chromatography - Soluble**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Chloride</b>	<b>138</b>		9.96	0.393	mg/Kg			12/16/25 10:47	1

**Client Sample ID: HA-14 @ 0.5'**

**Lab Sample ID: 880-66169-10**

Date Collected: 12/15/25 12:05

Matrix: Solid

Date Received: 12/15/25 16:02

Sample Depth: 0.5'

**Method: SW846 8021B - Volatile Organic Compounds (GC)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00139	U	0.00200	0.00139	mg/Kg		12/16/25 11:06	12/16/25 14:31	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg		12/16/25 11:06	12/16/25 14:31	1
Ethylbenzene	<0.00109	U	0.00200	0.00109	mg/Kg		12/16/25 11:06	12/16/25 14:31	1
m-Xylene & p-Xylene	<0.00228	U	0.00399	0.00228	mg/Kg		12/16/25 11:06	12/16/25 14:31	1
o-Xylene	<0.00158	U	0.00200	0.00158	mg/Kg		12/16/25 11:06	12/16/25 14:31	1
<b>Xylenes, Total</b>	<b>&lt;0.00228</b>	<b>U</b>	0.00399	0.00228	mg/Kg		12/16/25 11:06	12/16/25 14:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	139	S1+	70 - 130	12/16/25 11:06	12/16/25 14:31	1

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### Client Sample Results

Client: Tasman Geosciences Inc  
 Project/Site: 8871\_Yada C

Job ID: 880-66169-1  
 SDG: 8871

**Client Sample ID: HA-14 @ 0.5'**

**Lab Sample ID: 880-66169-10**

Date Collected: 12/15/25 12:05

Matrix: Solid

Date Received: 12/15/25 16:02

Sample Depth: 0.5'

**Method: SW846 8021B - Volatile Organic Compounds (GC) (Continued)**

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	124		70 - 130	12/16/25 11:06	12/16/25 14:31	1

**Method: TAL SOP Total BTEX - Total BTEX Calculation**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00228	U	0.00399	0.00228	mg/Kg			12/16/25 14:31	1

**Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<15.1	U	49.9	15.1	mg/Kg			12/17/25 12:26	1

**Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<14.5	U	49.9	14.5	mg/Kg		12/17/25 08:08	12/17/25 12:26	1
Diesel Range Organics (Over C10-C28)	<15.1	U	49.9	15.1	mg/Kg		12/17/25 08:08	12/17/25 12:26	1
Oil Range Organics (Over C28-C36)	<15.1	U	49.9	15.1	mg/Kg		12/17/25 08:08	12/17/25 12:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	71		70 - 130	12/17/25 08:08	12/17/25 12:26	1
o-Terphenyl	66	S1-	70 - 130	12/17/25 08:08	12/17/25 12:26	1

**Method: EPA 300.0 - Anions, Ion Chromatography - Soluble**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1570		50.2	1.98	mg/Kg			12/16/25 10:53	5

**Client Sample ID: HA-14 @ 1'**

**Lab Sample ID: 880-66169-11**

Date Collected: 12/15/25 12:07

Matrix: Solid

Date Received: 12/15/25 16:02

Sample Depth: 1'

**Method: SW846 8021B - Volatile Organic Compounds (GC)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00139	U	0.00200	0.00139	mg/Kg		12/16/25 08:00	12/16/25 11:32	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg		12/16/25 08:00	12/16/25 11:32	1
Ethylbenzene	<0.00109	U * - *1	0.00200	0.00109	mg/Kg		12/16/25 08:00	12/16/25 11:32	1
m-Xylene & p-Xylene	<0.00228	U * - *1	0.00399	0.00228	mg/Kg		12/16/25 08:00	12/16/25 11:32	1
o-Xylene	<0.00158	U * - *1	0.00200	0.00158	mg/Kg		12/16/25 08:00	12/16/25 11:32	1
Xylenes, Total	<0.00228	U * - *1	0.00399	0.00228	mg/Kg		12/16/25 08:00	12/16/25 11:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130	12/16/25 08:00	12/16/25 11:32	1
1,4-Difluorobenzene (Surr)	88		70 - 130	12/16/25 08:00	12/16/25 11:32	1

**Method: TAL SOP Total BTEX - Total BTEX Calculation**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00228	U	0.00399	0.00228	mg/Kg			12/16/25 11:32	1

**Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<15.1	U	49.9	15.1	mg/Kg			12/17/25 12:42	1

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### Client Sample Results

Client: Tasman Geosciences Inc  
 Project/Site: 8871\_Yada C

Job ID: 880-66169-1  
 SDG: 8871

**Client Sample ID: HA-14 @ 1'**

**Lab Sample ID: 880-66169-11**

Date Collected: 12/15/25 12:07

Matrix: Solid

Date Received: 12/15/25 16:02

Sample Depth: 1'

**Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<14.5	U	49.9	14.5	mg/Kg		12/17/25 08:08	12/17/25 12:42	1
Diesel Range Organics (Over C10-C28)	<15.1	U	49.9	15.1	mg/Kg		12/17/25 08:08	12/17/25 12:42	1
Oil Range Organics (Over C28-C36)	<15.1	U	49.9	15.1	mg/Kg		12/17/25 08:08	12/17/25 12:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	155	S1+	70 - 130				12/17/25 08:08	12/17/25 12:42	1
o-Terphenyl	135	S1+	70 - 130				12/17/25 08:08	12/17/25 12:42	1

**Method: EPA 300.0 - Anions, Ion Chromatography - Soluble**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	657	F1	10.1	0.398	mg/Kg			12/16/25 10:58	1

**Client Sample ID: HA-15 @ 0.5'**

**Lab Sample ID: 880-66169-14**

Date Collected: 12/15/25 12:45

Matrix: Solid

Date Received: 12/15/25 16:02

Sample Depth: 0.5'

**Method: SW846 8021B - Volatile Organic Compounds (GC)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00138	U	0.00199	0.00138	mg/Kg		12/16/25 08:00	12/16/25 12:33	1
Toluene	<0.00199	U	0.00199	0.00199	mg/Kg		12/16/25 08:00	12/16/25 12:33	1
Ethylbenzene	<0.00108	U * - *1	0.00199	0.00108	mg/Kg		12/16/25 08:00	12/16/25 12:33	1
m-Xylene & p-Xylene	<0.00227	U * - *1	0.00398	0.00227	mg/Kg		12/16/25 08:00	12/16/25 12:33	1
o-Xylene	<0.00157	U * - *1	0.00199	0.00157	mg/Kg		12/16/25 08:00	12/16/25 12:33	1
Xylenes, Total	<0.00227	U * - *1	0.00398	0.00227	mg/Kg		12/16/25 08:00	12/16/25 12:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130				12/16/25 08:00	12/16/25 12:33	1
1,4-Difluorobenzene (Surr)	90		70 - 130				12/16/25 08:00	12/16/25 12:33	1

**Method: TAL SOP Total BTEX - Total BTEX Calculation**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00227	U	0.00398	0.00227	mg/Kg			12/16/25 12:33	1

**Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<15.1	U	49.8	15.1	mg/Kg			12/16/25 12:05	1

**Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<14.5	U	49.8	14.5	mg/Kg		12/15/25 19:01	12/16/25 12:05	1
Diesel Range Organics (Over C10-C28)	<15.1	U	49.8	15.1	mg/Kg		12/15/25 19:01	12/16/25 12:05	1
Oil Range Organics (Over C28-C36)	<15.1	U	49.8	15.1	mg/Kg		12/15/25 19:01	12/16/25 12:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	122		70 - 130				12/15/25 19:01	12/16/25 12:05	1
o-Terphenyl	124		70 - 130				12/15/25 19:01	12/16/25 12:05	1

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### Client Sample Results

Client: Tasman Geosciences Inc  
 Project/Site: 8871\_Yada C

Job ID: 880-66169-1  
 SDG: 8871

**Client Sample ID: HA-15 @ 0.5'**

**Lab Sample ID: 880-66169-14**

Date Collected: 12/15/25 12:45

Matrix: Solid

Date Received: 12/15/25 16:02

Sample Depth: 0.5'

**Method: EPA 300.0 - Anions, Ion Chromatography - Soluble**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2230		50.2	1.98	mg/Kg			12/16/25 11:35	5

**Client Sample ID: HA-15 @ 1'**

**Lab Sample ID: 880-66169-15**

Date Collected: 12/15/25 12:50

Matrix: Solid

Date Received: 12/15/25 16:02

Sample Depth: 1'

**Method: SW846 8021B - Volatile Organic Compounds (GC)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00138	U	0.00198	0.00138	mg/Kg		12/16/25 08:00	12/16/25 12:54	1
Toluene	<0.00198	U	0.00198	0.00198	mg/Kg		12/16/25 08:00	12/16/25 12:54	1
Ethylbenzene	<0.00108	U * *1	0.00198	0.00108	mg/Kg		12/16/25 08:00	12/16/25 12:54	1
m-Xylene & p-Xylene	<0.00226	U * *1	0.00396	0.00226	mg/Kg		12/16/25 08:00	12/16/25 12:54	1
o-Xylene	<0.00157	U * *1	0.00198	0.00157	mg/Kg		12/16/25 08:00	12/16/25 12:54	1
Xylenes, Total	<0.00226	U * *1	0.00396	0.00226	mg/Kg		12/16/25 08:00	12/16/25 12:54	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130				12/16/25 08:00	12/16/25 12:54	1
1,4-Difluorobenzene (Surr)	92		70 - 130				12/16/25 08:00	12/16/25 12:54	1

**Method: TAL SOP Total BTEX - Total BTEX Calculation**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00226	U	0.00396	0.00226	mg/Kg			12/16/25 12:54	1

**Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<15.1	U	49.9	15.1	mg/Kg			12/16/25 12:20	1

**Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<14.5	U	49.9	14.5	mg/Kg		12/15/25 19:01	12/16/25 12:20	1
Diesel Range Organics (Over C10-C28)	<15.1	U	49.9	15.1	mg/Kg		12/15/25 19:01	12/16/25 12:20	1
Oil Range Organics (Over C28-C36)	<15.1	U	49.9	15.1	mg/Kg		12/15/25 19:01	12/16/25 12:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	130		70 - 130				12/15/25 19:01	12/16/25 12:20	1
o-Terphenyl	134	S1+	70 - 130				12/15/25 19:01	12/16/25 12:20	1

**Method: EPA 300.0 - Anions, Ion Chromatography - Soluble**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1200		9.92	0.392	mg/Kg			12/16/25 12:32	1

## Surrogate Summary

Client: Tasman Geosciences Inc  
Project/Site: 8871\_Yada CJob ID: 880-66169-1  
SDG: 8871

## Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		BFB1 (70-130)	DFBZ1 (70-130)
880-66169-1	HA-2A @ 0.5'	100	105
880-66169-1 MS	HA-2A @ 0.5'	109	96
880-66169-1 MSD	HA-2A @ 0.5'	110	101
880-66169-3	HA-2A @ 1.5'	124	113
880-66169-4	HA-1A @ 0.5'	137 S1+	121
880-66169-6	HA-1A @ 1.5'	116	106
880-66169-7	HA-3A @0.5'	117	110
880-66169-9	HA-3A @1.5'	116	106
880-66169-10	HA-14 @ 0.5'	139 S1+	124
880-66169-11	HA-14 @ 1'	108	88
880-66169-11 MS	HA-14 @ 1'	90	109
880-66169-11 MSD	HA-14 @ 1'	102	96
880-66169-14	HA-15 @ 0.5'	96	90
880-66169-15	HA-15 @ 1'	95	92
LCS 880-126832/1-A	Lab Control Sample	110	97
LCS 880-126838/1-A	Lab Control Sample	94	104
LCSD 880-126832/2-A	Lab Control Sample Dup	101	95
LCSD 880-126838/2-A	Lab Control Sample Dup	84	90
MB 880-126832/5-A	Method Blank	206 S1+	115
MB 880-126838/5-A	Method Blank	102	87

## Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

## Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		1CO1 (70-130)	OTPH1 (70-130)
880-66169-1	HA-2A @ 0.5'	109	118
880-66169-3	HA-2A @ 1.5'	112	118
880-66169-4	HA-1A @ 0.5'	218 S1+	226 S1+
880-66169-6	HA-1A @ 1.5'	113	115
880-66169-7	HA-3A @0.5'	106	109
880-66169-9	HA-3A @1.5'	119	115
880-66169-10	HA-14 @ 0.5'	71	66 S1-
880-66169-11	HA-14 @ 1'	155 S1+	135 S1+
880-66169-14	HA-15 @ 0.5'	122	124
880-66169-15	HA-15 @ 1'	130	134 S1+
LCS 880-126759/2-A	Lab Control Sample	137 S1+	121
LCS 880-126760/2-A	Lab Control Sample	126	119
LCS 880-126915/2-A	Lab Control Sample	120	114
LCSD 880-126759/3-A	Lab Control Sample Dup	122	108
LCSD 880-126760/3-A	Lab Control Sample Dup	125	120
LCSD 880-126915/3-A	Lab Control Sample Dup	116	114
MB 880-126759/1-A	Method Blank	110	108
MB 880-126760/1-A	Method Blank	108	109
MB 880-126915/1-A	Method Blank	117	110

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### Surrogate Summary

Client: Tasman Geosciences Inc  
Project/Site: 8871\_Yada C

Job ID: 880-66169-1  
SDG: 8871

**Surrogate Legend**

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1CO = 1-Chlorooctane  
OTPH = o-Terphenyl

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

### QC Sample Results

Client: Tasman Geosciences Inc  
 Project/Site: 8871\_Yada C

Job ID: 880-66169-1  
 SDG: 8871

#### Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-126832/5-A  
 Matrix: Solid  
 Analysis Batch: 126792

Client Sample ID: Method Blank  
 Prep Type: Total/NA  
 Prep Batch: 126832

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00139	U	0.00200	0.00139	mg/Kg		12/16/25 08:00	12/16/25 11:39	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg		12/16/25 08:00	12/16/25 11:39	1
Ethylbenzene	<0.00109	U	0.00200	0.00109	mg/Kg		12/16/25 08:00	12/16/25 11:39	1
m-Xylene & p-Xylene	<0.00229	U	0.00400	0.00229	mg/Kg		12/16/25 08:00	12/16/25 11:39	1
o-Xylene	<0.00158	U	0.00200	0.00158	mg/Kg		12/16/25 08:00	12/16/25 11:39	1
Xylenes, Total	<0.00229	U	0.00400	0.00229	mg/Kg		12/16/25 08:00	12/16/25 11:39	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	206	S1+	70 - 130	12/16/25 08:00	12/16/25 11:39	1
1,4-Difluorobenzene (Surr)	115		70 - 130	12/16/25 08:00	12/16/25 11:39	1

Lab Sample ID: LCS 880-126832/1-A  
 Matrix: Solid  
 Analysis Batch: 126792

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA  
 Prep Batch: 126832

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09619		mg/Kg		96	70 - 130
Toluene	0.100	0.09392		mg/Kg		94	70 - 130
Ethylbenzene	0.100	0.1185		mg/Kg		119	70 - 130
m-Xylene & p-Xylene	0.200	0.2135		mg/Kg		107	70 - 130
o-Xylene	0.100	0.1017		mg/Kg		102	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	110		70 - 130
1,4-Difluorobenzene (Surr)	97		70 - 130

Lab Sample ID: LCSD 880-126832/2-A  
 Matrix: Solid  
 Analysis Batch: 126792

Client Sample ID: Lab Control Sample Dup  
 Prep Type: Total/NA  
 Prep Batch: 126832

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.09405		mg/Kg		94	70 - 130	2	35
Toluene	0.100	0.09976		mg/Kg		100	70 - 130	6	35
Ethylbenzene	0.100	0.1045		mg/Kg		104	70 - 130	13	35
m-Xylene & p-Xylene	0.200	0.1747		mg/Kg		87	70 - 130	20	35
o-Xylene	0.100	0.08820		mg/Kg		88	70 - 130	14	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	101		70 - 130
1,4-Difluorobenzene (Surr)	95		70 - 130

Lab Sample ID: 880-66169-1 MS  
 Matrix: Solid  
 Analysis Batch: 126792

Client Sample ID: HA-2A @ 0.5'  
 Prep Type: Total/NA  
 Prep Batch: 126832

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00139	U	0.100	0.07979		mg/Kg		80	70 - 130
Toluene	<0.00200	U	0.100	0.08913		mg/Kg		89	70 - 130

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### QC Sample Results

Client: Tasman Geosciences Inc  
 Project/Site: 8871\_Yada C

Job ID: 880-66169-1  
 SDG: 8871

#### Method: 8021B - Volatile Organic Compounds (GC) (Continued)

**Lab Sample ID: 880-66169-1 MS**  
**Matrix: Solid**  
**Analysis Batch: 126792**

**Client Sample ID: HA-2A @ 0.5'**  
**Prep Type: Total/NA**  
**Prep Batch: 126832**

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec
	Result	Qualifier		Added	Result				
Ethylbenzene	<0.00109	U	0.100	0.09291		mg/Kg		93	70 - 130
m-Xylene & p-Xylene	<0.00228	U	0.200	0.1758		mg/Kg		88	70 - 130
o-Xylene	0.00199	J	0.100	0.08406		mg/Kg		82	70 - 130

Surrogate	MS	MS	Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	109		70 - 130
1,4-Difluorobenzene (Surr)	96		70 - 130

**Lab Sample ID: 880-66169-1 MSD**  
**Matrix: Solid**  
**Analysis Batch: 126792**

**Client Sample ID: HA-2A @ 0.5'**  
**Prep Type: Total/NA**  
**Prep Batch: 126832**

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec	RPD	Limit
	Result	Qualifier		Added	Result						
Benzene	<0.00139	U	0.100	0.09452		mg/Kg		95	70 - 130	17	35
Toluene	<0.00200	U	0.100	0.09134		mg/Kg		91	70 - 130	2	35
Ethylbenzene	<0.00109	U	0.100	0.1050		mg/Kg		105	70 - 130	12	35
m-Xylene & p-Xylene	<0.00228	U	0.200	0.1808		mg/Kg		90	70 - 130	3	35
o-Xylene	0.00199	J	0.100	0.08423		mg/Kg		82	70 - 130	0	35

Surrogate	MSD	MSD	Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	110		70 - 130
1,4-Difluorobenzene (Surr)	101		70 - 130

**Lab Sample ID: MB 880-126838/5-A**  
**Matrix: Solid**  
**Analysis Batch: 126788**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 126838**

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Benzene	<0.00139	U	0.00200	0.00139	mg/Kg		12/16/25 08:00	12/16/25 11:10	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg		12/16/25 08:00	12/16/25 11:10	1
Ethylbenzene	<0.00109	U	0.00200	0.00109	mg/Kg		12/16/25 08:00	12/16/25 11:10	1
m-Xylene & p-Xylene	<0.00229	U	0.00400	0.00229	mg/Kg		12/16/25 08:00	12/16/25 11:10	1
o-Xylene	<0.00158	U	0.00200	0.00158	mg/Kg		12/16/25 08:00	12/16/25 11:10	1
Xylenes, Total	<0.00229	U	0.00400	0.00229	mg/Kg		12/16/25 08:00	12/16/25 11:10	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
4-Bromofluorobenzene (Surr)	102		70 - 130	12/16/25 08:00	12/16/25 11:10	1
1,4-Difluorobenzene (Surr)	87		70 - 130	12/16/25 08:00	12/16/25 11:10	1

**Lab Sample ID: LCS 880-126838/1-A**  
**Matrix: Solid**  
**Analysis Batch: 126788**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 126838**

Analyte	Spike	LCS	LCS	Unit	D	%Rec	%Rec
Benzene	0.100	0.09594		mg/Kg		96	70 - 130
Toluene	0.100	0.09396		mg/Kg		94	70 - 130
Ethylbenzene	0.100	0.09815		mg/Kg		98	70 - 130
m-Xylene & p-Xylene	0.200	0.1936		mg/Kg		97	70 - 130

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### QC Sample Results

Client: Tasman Geosciences Inc  
 Project/Site: 8871\_Yada C

Job ID: 880-66169-1  
 SDG: 8871

#### Method: 8021B - Volatile Organic Compounds (GC) (Continued)

**Lab Sample ID:** LCS 880-126838/1-A  
**Matrix:** Solid  
**Analysis Batch:** 126788

**Client Sample ID:** Lab Control Sample  
**Prep Type:** Total/NA  
**Prep Batch:** 126838

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
o-Xylene	0.100	0.09343		mg/Kg		93	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	94		70 - 130
1,4-Difluorobenzene (Surr)	104		70 - 130

**Lab Sample ID:** LCSD 880-126838/2-A  
**Matrix:** Solid  
**Analysis Batch:** 126788

**Client Sample ID:** Lab Control Sample Dup  
**Prep Type:** Total/NA  
**Prep Batch:** 126838

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	0.100	0.09286		mg/Kg		93	70 - 130	3	35
Toluene	0.100	0.08113		mg/Kg		81	70 - 130	15	35
Ethylbenzene	0.100	0.06322	*- *1	mg/Kg		63	70 - 130	43	35
m-Xylene & p-Xylene	0.200	0.1170	*- *1	mg/Kg		58	70 - 130	49	35
o-Xylene	0.100	0.05930	*- *1	mg/Kg		59	70 - 130	45	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	84		70 - 130
1,4-Difluorobenzene (Surr)	90		70 - 130

**Lab Sample ID:** 880-66169-11 MS  
**Matrix:** Solid  
**Analysis Batch:** 126788

**Client Sample ID:** HA-14 @ 1'  
**Prep Type:** Total/NA  
**Prep Batch:** 126838

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00139	U	0.100	0.09404		mg/Kg		94	70 - 130
Toluene	<0.00200	U	0.100	0.09091		mg/Kg		91	70 - 130
Ethylbenzene	<0.00109	U *- *1	0.100	0.09427		mg/Kg		94	70 - 130
m-Xylene & p-Xylene	<0.00228	U *- *1	0.200	0.1854		mg/Kg		93	70 - 130
o-Xylene	<0.00158	U *- *1	0.100	0.08839		mg/Kg		88	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	90		70 - 130
1,4-Difluorobenzene (Surr)	109		70 - 130

**Lab Sample ID:** 880-66169-11 MSD  
**Matrix:** Solid  
**Analysis Batch:** 126788

**Client Sample ID:** HA-14 @ 1'  
**Prep Type:** Total/NA  
**Prep Batch:** 126838

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	<0.00139	U	0.100	0.09551		mg/Kg		96	70 - 130	2	35
Toluene	<0.00200	U	0.100	0.09419		mg/Kg		94	70 - 130	4	35
Ethylbenzene	<0.00109	U *- *1	0.100	0.09937		mg/Kg		99	70 - 130	5	35
m-Xylene & p-Xylene	<0.00228	U *- *1	0.200	0.2002		mg/Kg		100	70 - 130	8	35
o-Xylene	<0.00158	U *- *1	0.100	0.09589		mg/Kg		96	70 - 130	8	35

### QC Sample Results

Client: Tasman Geosciences Inc  
 Project/Site: 8871\_Yada C

Job ID: 880-66169-1  
 SDG: 8871

#### Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: 880-66169-11 MSD  
 Matrix: Solid  
 Analysis Batch: 126788

Client Sample ID: HA-14 @ 1'  
 Prep Type: Total/NA  
 Prep Batch: 126838

Surrogate	MSD MSD		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	102		70 - 130
1,4-Difluorobenzene (Surr)	96		70 - 130

#### Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 880-126759/1-A  
 Matrix: Solid  
 Analysis Batch: 126785

Client Sample ID: Method Blank  
 Prep Type: Total/NA  
 Prep Batch: 126759

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Gasoline Range Organics (GRO)-C6-C10	<14.5	U	50.0	14.5	mg/Kg		12/15/25 16:56	12/16/25 06:10	1
Diesel Range Organics (Over C10-C28)	<15.1	U	50.0	15.1	mg/Kg		12/15/25 16:56	12/16/25 06:10	1
Oil Range Organics (Over C28-C36)	<15.1	U	50.0	15.1	mg/Kg		12/15/25 16:56	12/16/25 06:10	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1-Chlorooctane	110		70 - 130	12/15/25 16:56	12/16/25 06:10	1
o-Terphenyl	108		70 - 130	12/15/25 16:56	12/16/25 06:10	1

Lab Sample ID: LCS 880-126759/2-A  
 Matrix: Solid  
 Analysis Batch: 126785

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA  
 Prep Batch: 126759

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits	
Gasoline Range Organics (GRO)-C6-C10	1000	889.9		mg/Kg		89	70 - 130	
Diesel Range Organics (Over C10-C28)	1000	1122		mg/Kg		112	70 - 130	

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
1-Chlorooctane	137	S1+	70 - 130
o-Terphenyl	121		70 - 130

Lab Sample ID: LCSD 880-126759/3-A  
 Matrix: Solid  
 Analysis Batch: 126785

Client Sample ID: Lab Control Sample Dup  
 Prep Type: Total/NA  
 Prep Batch: 126759

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits		RPD Limit	
									RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	1000	805.9		mg/Kg		81	70 - 130	10	20	
Diesel Range Organics (Over C10-C28)	1000	979.3		mg/Kg		98	70 - 130	14	20	

Surrogate	LCSD LCSD		Limits
	%Recovery	Qualifier	
1-Chlorooctane	122		70 - 130
o-Terphenyl	108		70 - 130

### QC Sample Results

Client: Tasman Geosciences Inc  
 Project/Site: 8871\_Yada C

Job ID: 880-66169-1  
 SDG: 8871

#### Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

**Lab Sample ID: MB 880-126760/1-A**  
**Matrix: Solid**  
**Analysis Batch: 126782**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 126760**

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Gasoline Range Organics (GRO)-C6-C10	<14.5	U	50.0	14.5	mg/Kg		12/15/25 16:58	12/16/25 06:10	1
Diesel Range Organics (Over C10-C28)	<15.1	U	50.0	15.1	mg/Kg		12/15/25 16:58	12/16/25 06:10	1
Oil Range Organics (Over C28-C36)	17.31	J	50.0	15.1	mg/Kg		12/15/25 16:58	12/16/25 06:10	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1-Chlorooctane	108		70 - 130	12/15/25 16:58	12/16/25 06:10	1
o-Terphenyl	109		70 - 130	12/15/25 16:58	12/16/25 06:10	1

**Lab Sample ID: LCS 880-126760/2-A**  
**Matrix: Solid**  
**Analysis Batch: 126782**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 126760**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Diesel Range Organics (Over C10-C28)	1000	872.2		mg/Kg		87	70 - 130

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
1-Chlorooctane	126		70 - 130
o-Terphenyl	119		70 - 130

**Lab Sample ID: LCSD 880-126760/3-A**  
**Matrix: Solid**  
**Analysis Batch: 126782**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total/NA**  
**Prep Batch: 126760**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	
								RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	1000	913.4		mg/Kg		91	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	1000	884.4		mg/Kg		88	70 - 130	1	20

Surrogate	LCSD LCSD		Limits
	%Recovery	Qualifier	
1-Chlorooctane	125		70 - 130
o-Terphenyl	120		70 - 130

**Lab Sample ID: MB 880-126915/1-A**  
**Matrix: Solid**  
**Analysis Batch: 126936**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 126915**

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Gasoline Range Organics (GRO)-C6-C10	<14.5	U	50.0	14.5	mg/Kg		12/17/25 08:08	12/17/25 08:29	1
Diesel Range Organics (Over C10-C28)	<15.1	U	50.0	15.1	mg/Kg		12/17/25 08:08	12/17/25 08:29	1
Oil Range Organics (Over C28-C36)	<15.1	U	50.0	15.1	mg/Kg		12/17/25 08:08	12/17/25 08:29	1

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### QC Sample Results

Client: Tasman Geosciences Inc  
 Project/Site: 8871\_Yada C

Job ID: 880-66169-1  
 SDG: 8871

#### Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: MB 880-126915/1-A  
 Matrix: Solid  
 Analysis Batch: 126936

Client Sample ID: Method Blank  
 Prep Type: Total/NA  
 Prep Batch: 126915

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1-Chlorooctane	117		70 - 130	12/17/25 08:08	12/17/25 08:29	1
o-Terphenyl	110		70 - 130	12/17/25 08:08	12/17/25 08:29	1

Lab Sample ID: LCS 880-126915/2-A  
 Matrix: Solid  
 Analysis Batch: 126936

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA  
 Prep Batch: 126915

Analyte	Spike Added	LCS LCS		Unit	D	%Rec	%Rec Limits
		Result	Qualifier				
Gasoline Range Organics (GRO)-C6-C10	1000	1108		mg/Kg		111	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1144		mg/Kg		114	70 - 130

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
1-Chlorooctane	120		70 - 130
o-Terphenyl	114		70 - 130

Lab Sample ID: LCSD 880-126915/3-A  
 Matrix: Solid  
 Analysis Batch: 126936

Client Sample ID: Lab Control Sample Dup  
 Prep Type: Total/NA  
 Prep Batch: 126915

Analyte	Spike Added	LCSD LCSD		Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
		Result	Qualifier						
Gasoline Range Organics (GRO)-C6-C10	1000	1118		mg/Kg		112	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	1000	1160		mg/Kg		116	70 - 130	1	20

Surrogate	LCSD LCSD		Limits
	%Recovery	Qualifier	
1-Chlorooctane	116		70 - 130
o-Terphenyl	114		70 - 130

#### Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-126779/1-A  
 Matrix: Solid  
 Analysis Batch: 126805

Client Sample ID: Method Blank  
 Prep Type: Soluble

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Chloride	<0.395	U	10.0	0.395	mg/Kg			12/16/25 09:27	1

Lab Sample ID: LCS 880-126779/2-A  
 Matrix: Solid  
 Analysis Batch: 126805

Client Sample ID: Lab Control Sample  
 Prep Type: Soluble

Analyte	Spike Added	LCS LCS		Unit	D	%Rec	%Rec Limits
		Result	Qualifier				
Chloride	250	233.3		mg/Kg		93	90 - 110

### QC Sample Results

Client: Tasman Geosciences Inc  
 Project/Site: 8871\_Yada C

Job ID: 880-66169-1  
 SDG: 8871

**Method: 300.0 - Anions, Ion Chromatography (Continued)**

Lab Sample ID: LCSD 880-126779/3-A  
 Matrix: Solid  
 Analysis Batch: 126805

Client Sample ID: Lab Control Sample Dup  
 Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	232.4		mg/Kg		93	90 - 110	0	20

Lab Sample ID: 880-66169-1 MS  
 Matrix: Solid  
 Analysis Batch: 126805

Client Sample ID: HA-2A @ 0.5'  
 Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	790		250	1066	E	mg/Kg		110	90 - 110

Lab Sample ID: 880-66169-1 MSD  
 Matrix: Solid  
 Analysis Batch: 126805

Client Sample ID: HA-2A @ 0.5'  
 Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	790		250	1062	E	mg/Kg		109	90 - 110	0	20

Lab Sample ID: 880-66169-11 MS  
 Matrix: Solid  
 Analysis Batch: 126805

Client Sample ID: HA-14 @ 1'  
 Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	657	F1	252	937.2	F1	mg/Kg		111	90 - 110

Lab Sample ID: 880-66169-11 MSD  
 Matrix: Solid  
 Analysis Batch: 126805

Client Sample ID: HA-14 @ 1'  
 Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	657	F1	252	933.1		mg/Kg		110	90 - 110	0	20

Lab Sample ID: MB 880-126780/1-A  
 Matrix: Solid  
 Analysis Batch: 126826

Client Sample ID: Method Blank  
 Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.395	U	10.0	0.395	mg/Kg			12/16/25 12:15	1

Lab Sample ID: LCS 880-126780/2-A  
 Matrix: Solid  
 Analysis Batch: 126826

Client Sample ID: Lab Control Sample  
 Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	243.4		mg/Kg		97	90 - 110

Lab Sample ID: LCSD 880-126780/3-A  
 Matrix: Solid  
 Analysis Batch: 126826

Client Sample ID: Lab Control Sample Dup  
 Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	237.1		mg/Kg		95	90 - 110	3	20

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### QC Sample Results

Client: Tasman Geosciences Inc  
 Project/Site: 8871\_Yada C

Job ID: 880-66169-1  
 SDG: 8871

**Method: 300.0 - Anions, Ion Chromatography**

Lab Sample ID: 880-66169-15 MS  
 Matrix: Solid  
 Analysis Batch: 126826

Client Sample ID: HA-15 @ 1'  
 Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	1200		248	1440	4	mg/Kg		95	90 - 110

Lab Sample ID: 880-66169-15 MSD  
 Matrix: Solid  
 Analysis Batch: 126826

Client Sample ID: HA-15 @ 1'  
 Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	1200		248	1436	4	mg/Kg		93	90 - 110	0	20

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

### QC Association Summary

Client: Tasman Geosciences Inc  
 Project/Site: 8871\_Yada C

Job ID: 880-66169-1  
 SDG: 8871

#### GC VOA

##### Analysis Batch: 126788

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-66169-11	HA-14 @ 1'	Total/NA	Solid	8021B	126838
880-66169-14	HA-15 @ 0.5'	Total/NA	Solid	8021B	126838
880-66169-15	HA-15 @ 1'	Total/NA	Solid	8021B	126838
MB 880-126838/5-A	Method Blank	Total/NA	Solid	8021B	126838
LCS 880-126838/1-A	Lab Control Sample	Total/NA	Solid	8021B	126838
LCSD 880-126838/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	126838
880-66169-11 MS	HA-14 @ 1'	Total/NA	Solid	8021B	126838
880-66169-11 MSD	HA-14 @ 1'	Total/NA	Solid	8021B	126838

##### Analysis Batch: 126792

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-66169-1	HA-2A @ 0.5'	Total/NA	Solid	8021B	126832
880-66169-3	HA-2A @ 1.5'	Total/NA	Solid	8021B	126832
880-66169-4	HA-1A @ 0.5'	Total/NA	Solid	8021B	126832
880-66169-6	HA-1A @ 1.5'	Total/NA	Solid	8021B	126832
880-66169-7	HA-3A @0.5'	Total/NA	Solid	8021B	126832
880-66169-9	HA-3A @1.5'	Total/NA	Solid	8021B	126832
880-66169-10	HA-14 @ 0.5'	Total/NA	Solid	8021B	126832
MB 880-126832/5-A	Method Blank	Total/NA	Solid	8021B	126832
LCS 880-126832/1-A	Lab Control Sample	Total/NA	Solid	8021B	126832
LCSD 880-126832/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	126832
880-66169-1 MS	HA-2A @ 0.5'	Total/NA	Solid	8021B	126832
880-66169-1 MSD	HA-2A @ 0.5'	Total/NA	Solid	8021B	126832

##### Prep Batch: 126832

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-66169-1	HA-2A @ 0.5'	Total/NA	Solid	5035	
880-66169-3	HA-2A @ 1.5'	Total/NA	Solid	5035	
880-66169-4	HA-1A @ 0.5'	Total/NA	Solid	5035	
880-66169-6	HA-1A @ 1.5'	Total/NA	Solid	5035	
880-66169-7	HA-3A @0.5'	Total/NA	Solid	5035	
880-66169-9	HA-3A @1.5'	Total/NA	Solid	5035	
880-66169-10	HA-14 @ 0.5'	Total/NA	Solid	5035	
MB 880-126832/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-126832/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-126832/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-66169-1 MS	HA-2A @ 0.5'	Total/NA	Solid	5035	
880-66169-1 MSD	HA-2A @ 0.5'	Total/NA	Solid	5035	

##### Prep Batch: 126838

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-66169-11	HA-14 @ 1'	Total/NA	Solid	5035	
880-66169-14	HA-15 @ 0.5'	Total/NA	Solid	5035	
880-66169-15	HA-15 @ 1'	Total/NA	Solid	5035	
MB 880-126838/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-126838/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-126838/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-66169-11 MS	HA-14 @ 1'	Total/NA	Solid	5035	
880-66169-11 MSD	HA-14 @ 1'	Total/NA	Solid	5035	

## QC Association Summary

Client: Tasman Geosciences Inc  
 Project/Site: 8871\_Yada C

Job ID: 880-66169-1  
 SDG: 8871

## GC VOA

## Analysis Batch: 126885

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-66169-1	HA-2A @ 0.5'	Total/NA	Solid	Total BTEX	
880-66169-3	HA-2A @ 1.5'	Total/NA	Solid	Total BTEX	
880-66169-4	HA-1A @ 0.5'	Total/NA	Solid	Total BTEX	
880-66169-6	HA-1A @ 1.5'	Total/NA	Solid	Total BTEX	
880-66169-7	HA-3A @0.5'	Total/NA	Solid	Total BTEX	
880-66169-9	HA-3A @1.5'	Total/NA	Solid	Total BTEX	
880-66169-10	HA-14 @ 0.5'	Total/NA	Solid	Total BTEX	
880-66169-11	HA-14 @ 1'	Total/NA	Solid	Total BTEX	
880-66169-14	HA-15 @ 0.5'	Total/NA	Solid	Total BTEX	
880-66169-15	HA-15 @ 1'	Total/NA	Solid	Total BTEX	

## GC Semi VOA

## Prep Batch: 126759

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-66169-4	HA-1A @ 0.5'	Total/NA	Solid	8015NM Prep	
880-66169-6	HA-1A @ 1.5'	Total/NA	Solid	8015NM Prep	
880-66169-7	HA-3A @0.5'	Total/NA	Solid	8015NM Prep	
880-66169-14	HA-15 @ 0.5'	Total/NA	Solid	8015NM Prep	
880-66169-15	HA-15 @ 1'	Total/NA	Solid	8015NM Prep	
MB 880-126759/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-126759/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-126759/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

## Prep Batch: 126760

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-66169-1	HA-2A @ 0.5'	Total/NA	Solid	8015NM Prep	
880-66169-3	HA-2A @ 1.5'	Total/NA	Solid	8015NM Prep	
MB 880-126760/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-126760/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-126760/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

## Analysis Batch: 126782

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-66169-1	HA-2A @ 0.5'	Total/NA	Solid	8015B NM	126760
880-66169-3	HA-2A @ 1.5'	Total/NA	Solid	8015B NM	126760
MB 880-126760/1-A	Method Blank	Total/NA	Solid	8015B NM	126760
LCS 880-126760/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	126760
LCSD 880-126760/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	126760

## Analysis Batch: 126785

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-66169-4	HA-1A @ 0.5'	Total/NA	Solid	8015B NM	126759
880-66169-6	HA-1A @ 1.5'	Total/NA	Solid	8015B NM	126759
880-66169-7	HA-3A @0.5'	Total/NA	Solid	8015B NM	126759
880-66169-14	HA-15 @ 0.5'	Total/NA	Solid	8015B NM	126759
880-66169-15	HA-15 @ 1'	Total/NA	Solid	8015B NM	126759
MB 880-126759/1-A	Method Blank	Total/NA	Solid	8015B NM	126759
LCS 880-126759/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	126759
LCSD 880-126759/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	126759

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## QC Association Summary

Client: Tasman Geosciences Inc  
Project/Site: 8871\_Yada CJob ID: 880-66169-1  
SDG: 8871

## GC Semi VOA

## Analysis Batch: 126907

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-66169-1	HA-2A @ 0.5'	Total/NA	Solid	8015 NM	
880-66169-3	HA-2A @ 1.5'	Total/NA	Solid	8015 NM	
880-66169-4	HA-1A @ 0.5'	Total/NA	Solid	8015 NM	
880-66169-6	HA-1A @ 1.5'	Total/NA	Solid	8015 NM	
880-66169-7	HA-3A @0.5'	Total/NA	Solid	8015 NM	
880-66169-9	HA-3A @1.5'	Total/NA	Solid	8015 NM	
880-66169-10	HA-14 @ 0.5'	Total/NA	Solid	8015 NM	
880-66169-11	HA-14 @ 1'	Total/NA	Solid	8015 NM	
880-66169-14	HA-15 @ 0.5'	Total/NA	Solid	8015 NM	
880-66169-15	HA-15 @ 1'	Total/NA	Solid	8015 NM	

## Prep Batch: 126915

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-66169-9	HA-3A @1.5'	Total/NA	Solid	8015NM Prep	
880-66169-10	HA-14 @ 0.5'	Total/NA	Solid	8015NM Prep	
880-66169-11	HA-14 @ 1'	Total/NA	Solid	8015NM Prep	
MB 880-126915/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-126915/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-126915/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

## Analysis Batch: 126936

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-66169-9	HA-3A @1.5'	Total/NA	Solid	8015B NM	126915
880-66169-10	HA-14 @ 0.5'	Total/NA	Solid	8015B NM	126915
880-66169-11	HA-14 @ 1'	Total/NA	Solid	8015B NM	126915
MB 880-126915/1-A	Method Blank	Total/NA	Solid	8015B NM	126915
LCS 880-126915/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	126915
LCSD 880-126915/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	126915

## HPLC/IC

## Leach Batch: 126779

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-66169-1	HA-2A @ 0.5'	Soluble	Solid	DI Leach	
880-66169-3	HA-2A @ 1.5'	Soluble	Solid	DI Leach	
880-66169-4	HA-1A @ 0.5'	Soluble	Solid	DI Leach	
880-66169-6	HA-1A @ 1.5'	Soluble	Solid	DI Leach	
880-66169-7	HA-3A @0.5'	Soluble	Solid	DI Leach	
880-66169-9	HA-3A @1.5'	Soluble	Solid	DI Leach	
880-66169-10	HA-14 @ 0.5'	Soluble	Solid	DI Leach	
880-66169-11	HA-14 @ 1'	Soluble	Solid	DI Leach	
880-66169-14	HA-15 @ 0.5'	Soluble	Solid	DI Leach	
MB 880-126779/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-126779/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-126779/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-66169-1 MS	HA-2A @ 0.5'	Soluble	Solid	DI Leach	
880-66169-1 MSD	HA-2A @ 0.5'	Soluble	Solid	DI Leach	
880-66169-11 MS	HA-14 @ 1'	Soluble	Solid	DI Leach	
880-66169-11 MSD	HA-14 @ 1'	Soluble	Solid	DI Leach	

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## QC Association Summary

Client: Tasman Geosciences Inc  
Project/Site: 8871\_Yada C

Job ID: 880-66169-1  
SDG: 8871

## HPLC/IC

## Leach Batch: 126780

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-66169-15	HA-15 @ 1'	Soluble	Solid	DI Leach	
MB 880-126780/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-126780/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-126780/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-66169-15 MS	HA-15 @ 1'	Soluble	Solid	DI Leach	
880-66169-15 MSD	HA-15 @ 1'	Soluble	Solid	DI Leach	

## Analysis Batch: 126805

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-66169-1	HA-2A @ 0.5'	Soluble	Solid	300.0	126779
880-66169-3	HA-2A @ 1.5'	Soluble	Solid	300.0	126779
880-66169-4	HA-1A @ 0.5'	Soluble	Solid	300.0	126779
880-66169-6	HA-1A @ 1.5'	Soluble	Solid	300.0	126779
880-66169-7	HA-3A @0.5'	Soluble	Solid	300.0	126779
880-66169-9	HA-3A @1.5'	Soluble	Solid	300.0	126779
880-66169-10	HA-14 @ 0.5'	Soluble	Solid	300.0	126779
880-66169-11	HA-14 @ 1'	Soluble	Solid	300.0	126779
880-66169-14	HA-15 @ 0.5'	Soluble	Solid	300.0	126779
MB 880-126779/1-A	Method Blank	Soluble	Solid	300.0	126779
LCS 880-126779/2-A	Lab Control Sample	Soluble	Solid	300.0	126779
LCSD 880-126779/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	126779
880-66169-1 MS	HA-2A @ 0.5'	Soluble	Solid	300.0	126779
880-66169-1 MSD	HA-2A @ 0.5'	Soluble	Solid	300.0	126779
880-66169-11 MS	HA-14 @ 1'	Soluble	Solid	300.0	126779
880-66169-11 MSD	HA-14 @ 1'	Soluble	Solid	300.0	126779

## Analysis Batch: 126826

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-66169-15	HA-15 @ 1'	Soluble	Solid	300.0	126780
MB 880-126780/1-A	Method Blank	Soluble	Solid	300.0	126780
LCS 880-126780/2-A	Lab Control Sample	Soluble	Solid	300.0	126780
LCSD 880-126780/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	126780
880-66169-15 MS	HA-15 @ 1'	Soluble	Solid	300.0	126780
880-66169-15 MSD	HA-15 @ 1'	Soluble	Solid	300.0	126780

### Lab Chronicle

Client: Tasman Geosciences Inc  
 Project/Site: 8871\_Yada C

Job ID: 880-66169-1  
 SDG: 8871

**Client Sample ID: HA-2A @ 0.5'**

**Lab Sample ID: 880-66169-1**

Date Collected: 12/15/25 10:23

Matrix: Solid

Date Received: 12/15/25 16:02

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	126832	12/16/25 08:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126792	12/16/25 12:08	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126885	12/16/25 12:08	SA	EET MID
Total/NA	Analysis	8015 NM		1			126907	12/16/25 14:02	SA	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10.00 mL	126760	12/16/25 13:25	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126782	12/16/25 14:02	FC	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	126779	12/16/25 06:09	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	126805	12/16/25 09:43	CS	EET MID

**Client Sample ID: HA-2A @ 1.5'**

**Lab Sample ID: 880-66169-3**

Date Collected: 12/15/25 10:29

Matrix: Solid

Date Received: 12/15/25 16:02

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	126832	12/16/25 08:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126792	12/16/25 12:49	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126885	12/16/25 12:49	SA	EET MID
Total/NA	Analysis	8015 NM		1			126907	12/16/25 14:16	SA	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10.00 mL	126760	12/16/25 13:25	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126782	12/16/25 14:16	FC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	126779	12/16/25 06:09	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	126805	12/16/25 11:41	CS	EET MID

**Client Sample ID: HA-1A @ 0.5'**

**Lab Sample ID: 880-66169-4**

Date Collected: 12/15/25 11:30

Matrix: Solid

Date Received: 12/15/25 16:02

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	126832	12/16/25 09:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126792	12/16/25 13:09	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126885	12/16/25 13:09	SA	EET MID
Total/NA	Analysis	8015 NM		1			126907	12/16/25 13:48	SA	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10.00 mL	126759	12/16/25 13:30	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126785	12/16/25 13:48	FC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	126779	12/16/25 06:09	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	126805	12/16/25 10:10	CS	EET MID

**Client Sample ID: HA-1A @ 1.5'**

**Lab Sample ID: 880-66169-6**

Date Collected: 12/15/25 11:35

Matrix: Solid

Date Received: 12/15/25 16:02

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	126832	12/16/25 09:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126792	12/16/25 13:30	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126885	12/16/25 13:30	SA	EET MID

Eurofins Midland

### Lab Chronicle

Client: Tasman Geosciences Inc  
 Project/Site: 8871\_Yada C

Job ID: 880-66169-1  
 SDG: 8871

**Client Sample ID: HA-1A @ 1.5'**

**Lab Sample ID: 880-66169-6**

Date Collected: 12/15/25 11:35

Matrix: Solid

Date Received: 12/15/25 16:02

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			126907	12/16/25 14:02	SA	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10.00 mL	126759	12/16/25 13:30	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126785	12/16/25 14:02	FC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	126779	12/16/25 06:09	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	126805	12/16/25 10:31	CS	EET MID

**Client Sample ID: HA-3A @0.5'**

**Lab Sample ID: 880-66169-7**

Date Collected: 12/15/25 11:40

Matrix: Solid

Date Received: 12/15/25 16:02

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	126832	12/16/25 09:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126792	12/16/25 13:50	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126885	12/16/25 13:50	SA	EET MID
Total/NA	Analysis	8015 NM		1			126907	12/16/25 14:16	SA	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10.00 mL	126759	12/16/25 13:30	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126785	12/16/25 14:16	FC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	126779	12/16/25 06:09	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	126805	12/16/25 10:37	CS	EET MID

**Client Sample ID: HA-3A @1.5'**

**Lab Sample ID: 880-66169-9**

Date Collected: 12/15/25 11:50

Matrix: Solid

Date Received: 12/15/25 16:02

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	126832	12/16/25 11:06	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126792	12/16/25 14:10	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126885	12/16/25 14:10	SA	EET MID
Total/NA	Analysis	8015 NM		1			126907	12/17/25 12:11	SA	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10.00 mL	126915	12/17/25 08:08	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126936	12/17/25 12:11	SA	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	126779	12/16/25 06:09	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	126805	12/16/25 10:47	CS	EET MID

**Client Sample ID: HA-14 @ 0.5'**

**Lab Sample ID: 880-66169-10**

Date Collected: 12/15/25 12:05

Matrix: Solid

Date Received: 12/15/25 16:02

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	126832	12/16/25 11:06	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126792	12/16/25 14:31	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126885	12/16/25 14:31	SA	EET MID
Total/NA	Analysis	8015 NM		1			126907	12/17/25 12:26	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10.00 mL	126915	12/17/25 08:08	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126936	12/17/25 12:26	SA	EET MID

Eurofins Midland

### Lab Chronicle

Client: Tasman Geosciences Inc  
 Project/Site: 8871\_Yada C

Job ID: 880-66169-1  
 SDG: 8871

**Client Sample ID: HA-14 @ 0.5'**

**Lab Sample ID: 880-66169-10**

Date Collected: 12/15/25 12:05

Matrix: Solid

Date Received: 12/15/25 16:02

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.98 g	50 mL	126779	12/16/25 06:09	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	126805	12/16/25 10:53	CS	EET MID

**Client Sample ID: HA-14 @ 1'**

**Lab Sample ID: 880-66169-11**

Date Collected: 12/15/25 12:07

Matrix: Solid

Date Received: 12/15/25 16:02

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	126838	12/16/25 08:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126788	12/16/25 11:32	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126885	12/16/25 11:32	SA	EET MID
Total/NA	Analysis	8015 NM		1			126907	12/17/25 12:42	SA	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10.00 mL	126915	12/17/25 08:08	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126936	12/17/25 12:42	SA	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	126779	12/16/25 06:09	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	126805	12/16/25 10:58	CS	EET MID

**Client Sample ID: HA-15 @ 0.5'**

**Lab Sample ID: 880-66169-14**

Date Collected: 12/15/25 12:45

Matrix: Solid

Date Received: 12/15/25 16:02

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	126838	12/16/25 08:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126788	12/16/25 12:33	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126885	12/16/25 12:33	SA	EET MID
Total/NA	Analysis	8015 NM		1			126907	12/16/25 12:05	SA	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10.00 mL	126759	12/15/25 19:01	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126785	12/16/25 12:05	FC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	126779	12/16/25 06:09	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	126805	12/16/25 11:35	CS	EET MID

**Client Sample ID: HA-15 @ 1'**

**Lab Sample ID: 880-66169-15**

Date Collected: 12/15/25 12:50

Matrix: Solid

Date Received: 12/15/25 16:02

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	126838	12/16/25 08:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126788	12/16/25 12:54	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126885	12/16/25 12:54	SA	EET MID
Total/NA	Analysis	8015 NM		1			126907	12/16/25 12:20	SA	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10.00 mL	126759	12/15/25 19:01	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	126785	12/16/25 12:20	FC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	126780	12/16/25 06:15	SA	EET MID
Soluble	Analysis	300.0		1			126826	12/16/25 12:32	SMC	EET MID

Eurofins Midland

### Lab Chronicle

Client: Tasman Geosciences Inc  
Project/Site: 8871\_Yada C

Job ID: 880-66169-1  
SDG: 8871

**Laboratory References:**

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

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### Accreditation/Certification Summary

Client: Tasman Geosciences Inc  
Project/Site: 8871\_Yada C

Job ID: 880-66169-1  
SDG: 8871

#### Laboratory: Eurofins Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400	06-30-26

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

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### Method Summary

Client: Tasman Geosciences Inc  
Project/Site: 8871\_Yada C

Job ID: 880-66169-1  
SDG: 8871

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	EET MID
Total BTEX	Total BTEX Calculation	TAL SOP	EET MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
300.0	Anions, Ion Chromatography	EPA	EET MID
5035	Closed System Purge and Trap	SW846	EET MID
8015NM Prep	Microextraction	SW846	EET MID
DI Leach	Deionized Water Leaching Procedure	ASTM	EET MID

**Protocol References:**

ASTM = ASTM International

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

**Laboratory References:**

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440



### Sample Summary

Client: Tasman Geosciences Inc  
Project/Site: 8871\_Yada C

Job ID: 880-66169-1  
SDG: 8871

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
880-66169-1	HA-2A @ 0.5'	Solid	12/15/25 10:23	12/15/25 16:02	0.5'
880-66169-3	HA-2A @ 1.5'	Solid	12/15/25 10:29	12/15/25 16:02	1.5'
880-66169-4	HA-1A @ 0.5'	Solid	12/15/25 11:30	12/15/25 16:02	0.5'
880-66169-6	HA-1A @ 1.5'	Solid	12/15/25 11:35	12/15/25 16:02	1.5'
880-66169-7	HA-3A @0.5'	Solid	12/15/25 11:40	12/15/25 16:02	0.5'
880-66169-9	HA-3A @1.5'	Solid	12/15/25 11:50	12/15/25 16:02	1.5'
880-66169-10	HA-14 @ 0.5'	Solid	12/15/25 12:05	12/15/25 16:02	0.5'
880-66169-11	HA-14 @ 1'	Solid	12/15/25 12:07	12/15/25 16:02	1'
880-66169-14	HA-15 @ 0.5'	Solid	12/15/25 12:45	12/15/25 16:02	0.5'
880-66169-15	HA-15 @ 1'	Solid	12/15/25 12:50	12/15/25 16:02	1'

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Environment Testing  
Xenco

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300  
Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334  
El Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296  
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199

### Chain of Custody



890-66169 Chain of Custody

www.xenco.com Page 1 of 2

Project Manager: Brett Dennis  
 Company Name: Tasman, Inc.  
 Address: 2620 W. Marland Blvd  
 City, State ZIP: Hobbs, New Mexico 88240  
 Phone: 325-660-7395  
 Email: NMData@tasman-geo.com

Bill to: (if different)  
 Company Name:  
 Address:  
 City, State ZIP:

Turn Around:  Routine  Rush  
 Due Date: 24 HR  
 TAT starts the day received by the lab, if received by 4:30pm

Temp Blank: Yes  No   
 Thermometer ID: IES  
 Corrosion Factor: .1  
 Temperature Reading: 5.8  
 Corrected Temperature: 5.9

Parameters:  
 BTEX (EPA Method 8021B)  
 Chlorides (EPA Method 300)  
 TPH (EPA Method 8015M Extended)  
 Hold

ANALYSIS REQUEST

Work Order Comments:  
 Program: USTR/PST  PRP  Brownfields  RC  Superfund   
 State of Project:  
 Reporting: Level II  Level III  PST/UST  TRRP  Level IV   
 Deliverables: EDD  ADaPT  Other:

Preservative Codes:  
 None: NO DI Water: H<sub>2</sub>O  
 Cool: Cool MeOH: Me  
 HCL: HC HNO<sub>3</sub>: HN  
 H<sub>2</sub>SO<sub>4</sub>: H<sub>2</sub> NaOH: Na  
 H<sub>3</sub>PO<sub>4</sub>: HP  
 NaHSO<sub>4</sub>: MABIS  
 Na<sub>2</sub>S<sub>2</sub>O<sub>5</sub>: NaSO<sub>3</sub>  
 Zn Acetate+NaOH: Zn  
 NaOH+Ascorbic Acid: SAPC

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/Comp	# of Cont	ANALYSIS REQUEST										Sample Comments								
HA-2A @ 0.5'	S	12/15/2025	1023	0.5'	G	1	X	X	X																
HA-2A @ 1'	S	12/15/2025	1025	1'	G	1	X	X	X																
HA-2A @ 1.5'	S	12/15/2025	1029	1.5'	G	1	X	X	X																
HA-1A @ 0.5'	S	12/15/2025	1130	0.5'	G	1	X	X	X																
HA-1A @ 1'	S	12/15/2025	1132	1'	G	1	X	X	X																
HA-1A @ 1.5'	S	12/15/2025	1135	1.5'	G	1	X	X	X																
HA-3A @ 0.5'	S	12/15/2025	1140	0.5'	G	1	X	X	X																
HA-3A @ 1'	S	12/15/2025	1145	1'	G	1	X	X	X																
HA-3A @ 1.5'	S	12/15/2025	1150	1.5'	G	1	X	X	X																
HA-14 @ 0.5'	S	12/15/2025	1205	0.5'	G	1	X	X	X																

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO<sub>2</sub> Na Sr Ti Sn U V Zn  
 Circle Method(s) and Metal(s) to be analyzed: TCLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U Hg: 1631 / 245.1 / 7470 / 7471

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xenco. Ammunition charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
<i>[Signature]</i>	<i>[Signature]</i>	12-15-25 3:03	<i>[Signature]</i>	<i>[Signature]</i>	12-15-25 16:02



### Login Sample Receipt Checklist

Client: Tasman Geosciences Inc

Job Number: 880-66169-1

SDG Number: 8871

**Login Number: 66169**

**List Number: 1**

**Creator: Juarez, Leticia**

**List Source: Eurofins Midland**

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
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.	N/A	
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").	N/A	

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Sante Fe Main Office  
Phone: (505) 476-3441

General Information  
Phone: (505) 629-6116

Online Phone Directory  
<https://www.emnrd.nm.gov/ocd/contact-us>

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

QUESTIONS

Action 545724

**QUESTIONS**

Operator: Civitas Permian Operating, LLC 555 17th Street Denver, CO 80202	OGRID: 332195
	Action Number: 545724
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

<b>Prerequisites</b>	
Incident ID (n#)	nAPP2515356779
Incident Name	NAPP2515356779 YADA C @ FAPP2126033332
Incident Type	Produced Water Release
Incident Status	Remediation Closure Report Received
Incident Facility	[fAPP2126033332] YADA CTB B

<b>Location of Release Source</b>	
<i>Please answer all the questions in this group.</i>	
Site Name	YADA C
Date Release Discovered	06/01/2025
Surface Owner	Private

<b>Incident Details</b>	
<i>Please answer all the questions in this group.</i>	
Incident Type	Produced Water Release
Did this release result in a fire or is the result of a fire	No
Did this release result in any injuries	No
Has this release reached or does it have a reasonable probability of reaching a watercourse	No
Has this release endangered or does it have a reasonable probability of endangering public health	No
Has this release substantially damaged or will it substantially damage property or the environment	No
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No

<b>Nature and Volume of Release</b>	
<i>Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.</i>	
Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: Corrosion   Separator   Produced Water   Released: 40 BBL   Recovered: 40 BBL   Lost: 0 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	No
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

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QUESTIONS, Page 2

Action 545724

**QUESTIONS (continued)**

Operator: Civitas Permian Operating, LLC 555 17th Street Denver, CO 80202	OGRID: 332195
	Action Number: 545724
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

<b>Nature and Volume of Release (continued)</b>	
Is this a gas only submission (i.e. only significant Mcf values reported)	<b>No, according to supplied volumes this does not appear to be a "gas only" report.</b>
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	<b>Yes</b>
Reasons why this would be considered a submission for a notification of a major release	<b>From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.</b>

*With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.*

**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	<b>True</b>
The impacted area has been secured to protect human health and the environment	<b>True</b>
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	<b>True</b>
All free liquids and recoverable materials have been removed and managed appropriately	<b>True</b>
If all the actions described above have not been undertaken, explain why	<i>Not answered.</i>

*Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.*

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.

I hereby agree and sign off to the above statement	Name: Mason Jones Title: c-Environmental Specialist Email: <a href="mailto:mjones@civiresources.com">mjones@civiresources.com</a> Date: 01/23/2026
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QUESTIONS, Page 3

Action 545724

**QUESTIONS (continued)**

Operator: Civitas Permian Operating, LLC 555 17th Street Denver, CO 80202	OGRID: 332195
	Action Number: 545724
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

**Site Characterization**

Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). 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 in feet below ground surface (ft bgs)	Between 100 and 500 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
<b>What is the minimum distance, between the closest lateral extents of the release and the following surface areas:</b>	
A continuously flowing watercourse or any other significant watercourse	Between ½ and 1 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1 and 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Greater than 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1 and 5 (mi.)
Any other fresh water well or spring	Between 1 and 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between ½ and 1 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Greater than 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

**Remediation Plan**

Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

Requesting a remediation plan approval with this submission	Yes
<i>Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.</i>	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No

**Soil Contamination Sampling:** (Provide the highest observable value for each, in milligrams per kilograms.)

Chloride (EPA 300.0 or SM4500 Cl B)	6720
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	58.6
GRO+DRO (EPA SW-846 Method 8015M)	16.5
BTEX (EPA SW-846 Method 8021B or 8260B)	0.1
Benzene (EPA SW-846 Method 8021B or 8260B)	0

Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.

On what estimated date will the remediation commence	10/22/2025
On what date will (or did) the final sampling or liner inspection occur	12/15/2025
On what date will (or was) the remediation complete(d)	10/22/2025
What is the estimated surface area (in square feet) that will be reclaimed	0
What is the estimated volume (in cubic yards) that will be reclaimed	0
What is the estimated surface area (in square feet) that will be remediated	0
What is the estimated volume (in cubic yards) that will be remediated	0

*These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.*

*The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.*

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QUESTIONS, Page 4

Action 545724

**QUESTIONS (continued)**

Operator: Civitas Permian Operating, LLC 555 17th Street Denver, CO 80202	OGRID: 332195
	Action Number: 545724
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

**Remediation Plan (continued)**

Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

**This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:**

(Select all answers below that apply.)

(Ex Situ) Excavation and <b>off-site</b> disposal (i.e. dig and haul, hydrovac, etc.)	Not answered.
(Ex Situ) Excavation and <b>on-site</b> remediation (i.e. On-Site Land Farms)	Not answered.
(In Situ) Soil Vapor Extraction	Not answered.
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.
OTHER (Non-listed remedial process)	Yes
Other Non-listed Remedial Process. Please specify	N/A - Chemicals of concern are less than RALs

Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.

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.

I hereby agree and sign off to the above statement	Name: Mason Jones Title: c-Environmental Specialist Email: mjones@civiresources.com Date: 01/23/2026
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The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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QUESTIONS, Page 5

Action 545724

**QUESTIONS (continued)**

Operator: Civitas Permian Operating, LLC 555 17th Street Denver, CO 80202	OGRID: 332195
	Action Number: 545724
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

<b>Deferral Requests Only</b>	
<i>Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.</i>	
Requesting a deferral of the remediation closure due date with the approval of this submission	No

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Action 545724

**QUESTIONS (continued)**

Operator: Civitas Permian Operating, LLC 555 17th Street Denver, CO 80202	OGRID: 332195
	Action Number: 545724
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

<b>Sampling Event Information</b>	
Last sampling notification (C-141N) recorded	<b>533715</b>
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	<b>12/15/2025</b>
What was the (estimated) number of samples that were to be gathered	<b>5</b>
What was the sampling surface area in square feet	<b>462</b>

**Remediation Closure Request**

*Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.*

Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	0
What was the total volume (cubic yards) remediated	0
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes
What was the total surface area (in square feet) reclaimed	0
What was the total volume (in cubic yards) reclaimed	0
Summarize any additional remediation activities not included by answers (above)	Delineation, groundwater determination, and confirmation sampling shows that chemicals of concern are not present greater than RALs.

*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 (in .pdf format) 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.*

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.

I hereby agree and sign off to the above statement	Name: Mason Jones Title: c-Environmental Specialist Email: mjones@civiresources.com Date: 01/23/2026
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Action 545724

**QUESTIONS (continued)**

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	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

<b>Reclamation Report</b>	
<i>Only answer the questions in this group if all reclamation steps have been completed.</i>	
Requesting a reclamation approval with this submission	No

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CONDITIONS

Action 545724

**CONDITIONS**

Operator: Civitas Permian Operating, LLC 555 17th Street Denver, CO 80202	OGRID: 332195
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	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**CONDITIONS**

Created By	Condition	Condition Date
scwells	None	2/9/2026