



October 17, 2023

**Olsson Associates**

**Trent Watne**

**1525 Raleigh St, Suite 400**

**Denver**

**CO 80204**

**Project Name - Noble - MIT**

**Project Number - A19-01830**

Attached are your analytical results for Noble - MIT received by Origins Laboratory, Inc. October 03, 2023. This project is associated with Origins project number Y310082-01.

The analytical results in the following report were analyzed under the guidelines of EPA Methods. These methods are identified as follows; "SW" are defined in SW-846, "EPA" are defined in 40CFR part 136 and "SM" are defined in the most current revision of Standard Methods For the Examination of Water and Wastewater.

The analytical results apply specifically to the samples and analyses specified per the attached Chain of Custody. As such, this report shall not be reproduced except in full, without the written approval of Origin's laboratory.

Unless otherwise noted, the analytical results for all soil samples are reported on a wet weight basis. All analytical analyses were performed under NELAP guidelines unless noted by a data qualifier.

Any holding time exceedances, deviations from the method specifications or deviations from Origins Laboratory's Standard Operating Procedures are outlined in the case narrative.

Thank you for selecting Origins for your analytical needs. Please contact us with any questions concerning this report, or if we can help with anything at all.

Origins Laboratory, Inc.  
303.433.1322  
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Olsson Associates

1525 Raleigh St, Suite 400

Denver CO 80204

Trent Watne

Project Number: A19-01830

Project: Noble - MIT

### CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Stroh 0 2-17	Y310082-01	Water	October 3, 2023 14:20	10/03/2023 15:40

Origins Laboratory, Inc.



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Olsson Associates  
1525 Raleigh St, Suite 400  
Denver CO 80204

Trent Watne  
Project Number: A19-01830  
Project: Noble - MIT

Origins Laboratory

F-012207-01-R1  
Effective Date: 01/09/12

## Sample Receipt Checklist

Origins Work Order: UB00082

Client: Olsson  
Client Project ID: Noble MIT

Checklist Completed by: TST/etis

Shipped Via: TD  
(UPS, FedEx, Hand Delivered, Pick-up, etc.)

Date/time completed: 10/3/23

Airbill #: N/A

Matrix(s) Received: (Check all that apply) TD Soil/Solid

☒ Water ☐ Other: \_\_\_\_\_

Cooler Number/Temperature: 110 °C 1 °C 1 °C (Describe) °C

Thermometer ID: 7004

Requirement Description	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature between 0°C to ≤ 6°C <sup>(1)</sup> ?		<input checked="" type="checkbox"/>		<u>SD</u>
Is there ice present (document if blue ice is used)	<input checked="" type="checkbox"/>			
Are custody seals present on cooler? (if so, document in comments if they are signed and dated, broken or intact)		<input checked="" type="checkbox"/>		
Are custody seals present on each sample container? (if so, document in comments if they are signed and dated, broken or intact)		<input checked="" type="checkbox"/>		
Were all samples received intact <sup>(1)</sup> ?	<input checked="" type="checkbox"/>			
Was adequate sample volume provided <sup>(1)</sup> ?	<input checked="" type="checkbox"/>			
Are short holding time analytes or samples with HTs due within 48 hours present <sup>(1)</sup> ?	<input checked="" type="checkbox"/>			<u>NO2, NO3, BART</u>
Is a chain-of-custody (COC) present and filled out completely <sup>(1)</sup> ?	<input checked="" type="checkbox"/>			
Does the COC agree with the number and type of sample bottles received <sup>(1)</sup> ?	<input checked="" type="checkbox"/>			
Do the sample IDs on the bottle labels match the COC <sup>(1)</sup> ?	<input checked="" type="checkbox"/>			
Is the COC properly relinquished by the client with date and time recorded <sup>(1)</sup> ?	<input checked="" type="checkbox"/>			
For volatiles in water – is there headspace (> ¼ inch bubble) present? If yes, contact client and note in narrative.		<input checked="" type="checkbox"/>		
Are samples preserved that require preservation and was it checked <sup>(1)</sup> ? (note ID of confirmation instrument used in comments) / (preservation is not confirmed for subcontracted analyses in order to insure sample integrity) (pH < 2 for samples preserved with HNO3, HCL, H2SO4) / (pH > 10 for samples preserved with NaAsO2+NaOH, ZnAc+NaOH)	<input checked="" type="checkbox"/>			<u>NC</u>
Additional Comments (if any):				

<sup>(1)</sup> If NO, then contact the client before proceeding with analysis and note date, time and person contacted as well as the corrective action to in the additional comments (above) and the case narrative.

Reviewed by (Project Manager) [Signature]

Date/Time Reviewed 10/5/23

Origins Laboratory, Inc.

[Signature]

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1525 Raleigh St, Suite 400  
Denver CO 80204

Trent Watne  
Project Number: A19-01830  
Project: Noble - MIT

Stroh 0 2-17  
10/3/2023 2:20:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Y310082-01 (Water)  
Origins Laboratory, Inc.

### Anions by IC 300.0

Chloride	23.4	1.25	mg/L	5	B3J0403	ACC	10/04/2023	10/04/2023	
Fluoride	0.641	0.500	"	"	"	ACC	"	"	
Bromide	ND	0.500	"	"	"	ACC	"	"	
Sulfate	726	31.2	"	125	"	ACC	"	10/04/2023	
Nitrate	4.12	0.500	"	5	"	ACC	"	10/04/2023	
Nitrite	ND	0.500	"	"	"	ACC	"	"	

### BTEX by EPA 8260D

Benzene	ND	1.00	ug/L	1	B3J0422	JSM	10/04/2023	10/05/2023	Ua
Toluene	ND	1.00	"	"	"	JSM	"	"	Ua
Ethylbenzene	ND	1.00	"	"	"	JSM	"	"	Ua
Xylenes, total	ND	1.00	"	"	"	JSM	"	"	Ua

Surrogate: 1,2-Dichloroethane-d4	86.1 %	70-130			"	"	"	
Surrogate: Toluene-d8	106 %	70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	89.1 %	70-130			"	"	"	

### Dissolved Metals by EPA 200.8

Barium	30.3	11.1	ug/L	10	B3J0608	CIH	10/06/2023	10/12/2023	
Boron	406	111	"	"	"	CIH	"	"	
Calcium	140000	5560	"	"	"	CIH	"	"	
Iron	ND	111	"	"	"	CIH	"	"	

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Project: Noble - MIT

**Stroh 0 2-17**  
**10/3/2023 2:20:00PM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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**Y310082-01 (Water)**  
**Origins Laboratory, Inc.**

**Dissolved Metals by EPA 200.8**

Magnesium	103000	111	ug/L	10	B3J0608	CIH	10/06/2023	10/12/2023
Manganese	14.3	11.1	"	"	"	CIH	"	"
Potassium	3210	1110	"	"	"	CIH	"	"
Selenium	1.60	1.11	"	"	"	CIH	"	"
Sodium	142000	1110	"	"	"	CIH	"	"
Strontium	2130	111	"	"	"	CIH	"	"

**pH in Water by EPA 9040C**

pH	7.78		pH Units	1	B3J0401	HJD	10/04/2023	10/04/2023
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**Specific Conductance Mod. 9050A**

Specific Conductance (EC)	2170	5.00	uS/cm	"	"	HJD	"	"
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**Total Dissolved Solids by 2540C**

Total Dissolved Solids	1400	5.00	mg/L	"	B3J0626	KRM	10/06/2023	10/09/2023
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**Pace Analytical**

**Dissolved Gasses by RSK 175**

Ethane	ND	10.0	ug/L	1	11111		10/03/2023	10/06/2023
Methane	ND	10.0	"	"	"		"	"

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**Stroh 0 2-17**  
**10/3/2023 2:20:00PM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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**Y310082-01 (Water)**  
**Pace Analytical**

## Dissolved Gasses by RSK 175

n-Propane	ND	10.0	ug/L	1	11111		10/03/2023	10/06/2023	
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## GEL Laboratories, LLC

## Alkalinity by SM 2320B

Alkalinity, Total as CaCO <sub>3</sub>	340	2.00	mg/L	1	2506101	JW2	"	10/10/2023	
Bicarbonate alkalinity (CaCO <sub>3</sub> )	340	2.00	"	"	"	JW2	"	"	
Carbonate alkalinity (CaCO <sub>3</sub> )	ND	2.00	"	"	"	JW2	"	"	U

## DRO by 8015D

Diesel Range Organics	ND	0.191	mg/L	1	2507725	RXC1	10/13/2023	10/13/2023	h, U
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Surrogate: o-Terphenyl	56 %	37-112			"	"	"		
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## GRO by 8015D

Gasoline Range Organics	ND	0.100	mg/L	1	2505349	JEB	10/03/2023	10/09/2023	U
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Surrogate: Bromofluorobenzene	113 %	72-129			"	"	"		
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## Nitrate/Nitrite by EPA 353.2

Nitrogen, Nitrate/Nitrite	1.20	0.100	mg/L	5	2505206	AXH3	"	10/09/2023	
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Stroh 0 2-17

10/3/2023 2:20:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Y310082-01 (Water)  
GEL Laboratories, LLC

## Total Phosphorus by EPA 365.4

Phosphorus, Total as P	ND	0.0500	mg/L	1	2503687	AXH3	10/06/2023	10/10/2023	U
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## Origins Laboratory

## Bacterial Activity Reaction Tests

Iron Related Bacteria	~14000 0	CFU/mL	1	11111	EHS	10/03/2023	10/09/2023
Slime Forming Bacteria	~44000 0	"	"	"	EHS	"	"
Sulfate Reducing Bacteria	~1400	"	"	"	EHS	"	"

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**Volatile Organic Compounds by GC/MS SW846 8260D - Quality Control**  
**Origins Laboratory, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch B3J0422 - EPA 5030B (Water)**

**Blank (B3J0422-BLK1)**

Prepared: 10/04/2023 Analyzed: 10/04/2023

Benzene	ND	1.00	ug/L							Ua
Toluene	ND	1.00	"							Ua
Ethylbenzene	ND	1.00	"							Ua
Xylenes, total	ND	1.00	"							Ua
Surrogate: 1,2-Dichloroethane-d4	52		"	62.5	83.4	70-130				
Surrogate: Toluene-d8	65		"	62.5	105	70-130				
Surrogate: 4-Bromofluorobenzene	55		"	62.5	88.7	70-130				

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**Origins Laboratory, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch B3J0422 - EPA 5030B (Water)**

**LCS (B3J0422-BS1)**

Prepared: 10/04/2023 Analyzed: 10/04/2023

Benzene	41.6	1.00	ug/L	50.0		83.2	70-130			
Toluene	41.8	1.00	"	50.0		83.6	70-130			
Ethylbenzene	44.2	1.00	"	50.0		88.4	70-130			
m,p-Xylene	88.8	2.00	"	100		88.8	70-130			
o-Xylene	45.0	1.00	"	50.0		90.1	70-130			
Surrogate: 1,2-Dichloroethane-d4	55		"	62.5		87.4	70-130			
Surrogate: Toluene-d8	65		"	62.5		105	70-130			
Surrogate: 4-Bromofluorobenzene	53		"	62.5		84.2	70-130			

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**Volatile Organic Compounds by GC/MS SW846 8260D - Quality Control**  
**Origins Laboratory, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch B3J0422 - EPA 5030B (Water)**

Matrix Spike (B3J0422-MS1)		Source: Y310058-01			Prepared: 10/04/2023 Analyzed: 10/04/2023					
Benzene	38.4	1.00	ug/L	50.0	ND	76.9	70-130			
Toluene	38.1	1.00	"	50.0	ND	76.2	70-130			
Ethylbenzene	41.7	1.00	"	50.0	ND	83.3	70-130			
m,p-Xylene	80.1	2.00	"	100	ND	80.1	70-130			
o-Xylene	42.6	1.00	"	50.0	ND	85.2	70-130			
Surrogate: 1,2-Dichloroethane-d4	53		"	62.5		84.9	70-130			
Surrogate: Toluene-d8	63		"	62.5		101	70-130			
Surrogate: 4-Bromofluorobenzene	50		"	62.5		80.7	70-130			

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**Volatile Organic Compounds by GC/MS SW846 8260D - Quality Control**  
**Origins Laboratory, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch B3J0422 - EPA 5030B (Water)**

Matrix Spike Dup (B3J0422-MSD1)		Source: Y310058-01			Prepared: 10/04/2023 Analyzed: 10/04/2023					
Benzene	38.5	1.00	ug/L	50.0	ND	77.0	70-130	0.234	20	
Toluene	38.3	1.00	"	50.0	ND	76.5	70-130	0.471	20	
Ethylbenzene	40.8	1.00	"	50.0	ND	81.6	70-130	2.04	20	
m,p-Xylene	80.9	2.00	"	100	ND	80.9	70-130	0.969	20	
o-Xylene	43.1	1.00	"	50.0	ND	86.2	70-130	1.17	20	
Surrogate: 1,2-Dichloroethane-d4	51		"	62.5		82.3	70-130			
Surrogate: Toluene-d8	66		"	62.5		105	70-130			
Surrogate: 4-Bromofluorobenzene	51		"	62.5		82.2	70-130			

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Project: Noble - MIT

**Volatile Organic Compounds by GC/MS SW846 8260D - Quality Control**  
**Origins Laboratory, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Metals by EPA 200 Series Methods - Quality Control**  
**Origins Laboratory, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch B3J0608 - EPA 200.8 Preparation**

**Blank (B3J0608-BLK1)**

Prepared: 10/06/2023 Analyzed: 10/12/2023

Barium	ND	1.00	ug/L
Boron	ND	10.0	"
Calcium	ND	500	"
Iron	ND	10.0	"
Magnesium	ND	10.0	"
Manganese	ND	1.00	"
Potassium	ND	100	"
Selenium	ND	0.100	"
Sodium	ND	100	"
Strontium	ND	10.0	"

**LCS (B3J0608-BS1)**

Prepared: 10/06/2023 Analyzed: 10/12/2023

Barium	5130	1.00	ug/L	5000	103	85-115
Boron	49.5	10.0	"	50.0	98.9	85-115
Calcium	4770	500	"	5000	95.5	85-115
Iron	5280	10.0	"	5000	106	85-115
Magnesium	4920	10.0	"	5000	98.5	85-115
Manganese	52.2	1.00	"	50.0	104	85-115
Potassium	4930	100	"	5000	98.5	85-115
Selenium	50.6	0.100	"	50.0	101	85-115
Sodium	4840	100	"	5000	96.9	85-115
Strontium	504	10.0	"	500	101	85-115

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## Metals by EPA 200 Series Methods - Quality Control Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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### Batch B3J0608 - EPA 200.8 Preparation

#### LCS (B3J0608-BS1)

Prepared: 10/06/2023 Analyzed: 10/12/2023

#### Matrix Spike (B3J0608-MS1)

Source: Y310082-01

Prepared: 10/06/2023 Analyzed: 10/12/2023

Barium	5560	11.1	ug/L	5560	30.3	99.6	70-130
Boron	465	111	"	55.6	406	106	70-130
Calcium	145000	5560	"	5560	140000	95.1	70-130
Iron	5620	111	"	5560	ND	101	70-130
Magnesium	108000	111	"	5560	103000	86.1	70-130
Manganese	71.5	11.1	"	55.6	14.3	103	70-130
Potassium	8670	1110	"	5560	3210	98.3	70-130
Selenium	52.7	1.11	"	55.6	1.60	92.0	70-130
Sodium	147000	1110	"	5560	142000	103	70-130
Strontium	2720	111	"	556	2130	106	70-130

#### Matrix Spike Dup (B3J0608-MSD1)

Source: Y310082-01

Prepared: 10/06/2023 Analyzed: 10/12/2023

Barium	5430	11.1	ug/L	5560	30.3	97.1	70-130	2.47	25	
Boron	446	111	"	55.6	406	70.8	70-130	4.28	25	
Calcium	143000	5560	"	5560	140000	57.0	70-130	1.47	25	QM-02
Iron	5430	111	"	5560	ND	97.7	70-130	3.53	25	
Magnesium	106000	111	"	5560	103000	63.6	70-130	1.17	25	QM-02
Manganese	69.1	11.1	"	55.6	14.3	98.6	70-130	3.40	25	
Potassium	8600	1110	"	5560	3210	97.0	70-130	0.836	25	
Selenium	55.2	1.11	"	55.6	1.60	96.5	70-130	4.68	25	
Sodium	145000	1110	"	5560	142000	64.3	70-130	1.46	25	QM-02
Strontium	2640	111	"	556	2130	91.4	70-130	3.06	25	

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## Classical Chemistry Parameters - Quality Control Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B3J0401 - Default Prep GenChem</b>										
<b>Blank (B3J0401-BLK1)</b>					Prepared: 10/04/2023 Analyzed: 10/04/2023					
Specific Conductance (EC)	ND	5.00	uS/cm							
<b>Duplicate (B3J0401-DUP1)</b>					<b>Source: Y310071-01</b> Prepared: 10/04/2023 Analyzed: 10/04/2023					
Specific Conductance (EC)	3200	5.00	uS/cm		3290			2.77	10	
pH	7.20		pH Units		7.27			0.968	2.51	
<b>Batch B3J0403 - Filter .45um non acidified</b>										
<b>Blank (B3J0403-BLK1)</b>					Prepared: 10/04/2023 Analyzed: 10/04/2023					
Chloride	ND	0.250	mg/L							
Fluoride	ND	0.100	"							
Bromide	ND	0.100	"							
Sulfate	ND	0.250	"							
Nitrate	ND	0.100	"							
Nitrite	ND	0.100	"							
<b>LCS (B3J0403-BS1)</b>					Prepared: 10/04/2023 Analyzed: 10/04/2023					
Chloride	3.83	0.250	mg/L	4.00		95.6	90-110			
Fluoride	3.72	0.100	"	4.00		93.1	90-110			
Bromide	3.75	0.100	"	4.00		93.8	90-110			
Sulfate	3.72	0.250	"	4.00		93.0	90-110			
Nitrate	3.69	0.100	"	4.00		92.1	90-110			
Nitrite	3.70	0.100	"	4.00		92.6	90-110			
<b>Matrix Spike (B3J0403-MS1)</b>					<b>Source: Y310082-01</b> Prepared: 10/04/2023 Analyzed: 10/04/2023					
Chloride	522		mg/L	500	23.4	99.8	90-110			
Fluoride	481		"	500	0.641	96.1	90-110			
Bromide	485		"	500	0.256	97.0	90-110			

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Trent Watne  
Project Number: A19-01830  
Project: Noble - MIT

## Classical Chemistry Parameters - Quality Control Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B3J0403 - Filter .45um non acidified</b>										
<b>Matrix Spike (B3J0403-MS1)</b>		<b>Source: Y310082-01</b>		Prepared: 10/04/2023 Analyzed: 10/04/2023						
Sulfate	1150		mg/L	500	726	83.9	90-110			QM-07
Nitrate	482		"	500	4.12	95.6	90-110			
Nitrite	478		"	500	0.00	95.7	90-110			
<b>Matrix Spike Dup (B3J0403-MSD1)</b>		<b>Source: Y310082-01</b>		Prepared: 10/04/2023 Analyzed: 10/04/2023						
Chloride	530		mg/L	500	23.4	101	90-110	1.35	5	
Fluoride	491		"	500	0.641	98.1	90-110	2.08	5	
Bromide	496		"	500	0.256	99.2	90-110	2.34	5	
Sulfate	1180		"	500	726	91.6	90-110	3.30	5	
Nitrate	490		"	500	4.12	97.2	90-110	1.68	5	
Nitrite	486		"	500	0.00	97.3	90-110	1.67	5	
<b>Batch B3J0626 - NO PREP</b>										
<b>Blank (B3J0626-BLK1)</b>		Prepared: 10/06/2023 Analyzed: 10/09/2023								
Total Dissolved Solids	ND	5.00	mg/L							
<b>LCS (B3J0626-BS1)</b>		Prepared: 10/06/2023 Analyzed: 10/09/2023								
Total Dissolved Solids	1010	5.00	mg/L	1010		99.6	90-110			
<b>Duplicate (B3J0626-DUP1)</b>		<b>Source: Y310066-13</b>		Prepared: 10/06/2023 Analyzed: 10/09/2023						
Total Dissolved Solids	724	5.00	mg/L		720			0.554	10	

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## Alkalinity by SM 2320B - Quality Control GEL Laboratories, LLC

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch 2506101 -</b>										
<b>LCS (1205541698-BKS)</b>					Prepared: Analyzed: 10/10/2023					
Alkalinity, Total as CaCO <sub>3</sub>	50.5	2.00	mg/L	50.0		101	90-110			
<b>DUP (1205541699 D)</b>					Source: 639470001 Prepared: Analyzed: 10/10/2023					
Carbonate alkalinity (CaCO <sub>3</sub> )	ND	2.00	mg/L		<0.725		0-20	N/A	20	U
Bicarbonate alkalinity (CaCO <sub>3</sub> )	291	2.00	"		290		0-20	0.517	20	
Alkalinity, Total as CaCO <sub>3</sub>	291	2.00	"		290		0-20	0.517	20	
<b>MS (1205541700 S)</b>					Source: 639470001 Prepared: Analyzed: 10/10/2023					
Alkalinity, Total as CaCO <sub>3</sub>	338	2.00	mg/L	50.0	290	0	80-120			

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## DRO by 8015D - Quality Control GEL Laboratories, LLC

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch 2507725 - SW846 3535A</b>										
<b>BLANK (1205544917-BLK)</b>					Prepared: 10/13/2023 Analyzed: 10/13/2023					
Diesel Range Organics	ND	0.200	mg/L				-			U
Surrogate: o-Terphenyl	0.0147		"	0.0200		73	37-112			
<b>LCS (1205544918-BKS)</b>					Prepared: 10/13/2023 Analyzed: 10/13/2023					
Diesel Range Organics	0.563	0.200	mg/L	1.00		56	40-107			
Surrogate: o-Terphenyl	0.0112		"	0.0200		56	37-112			
<b>LCSD (1205544919-BKSD)</b>					Prepared: 10/13/2023 Analyzed: 10/13/2023					
Diesel Range Organics	0.786	0.200	mg/L	1.00		79	40-107	33	32	
Surrogate: o-Terphenyl	0.0163		"	0.0200		82	37-112			

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## GRO by 8015D - Quality Control GEL Laboratories, LLC

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch 2505349 -</b>										
<b>LCS (1205540375-BKS)</b>					Prepared: Analyzed: 10/09/2023					
Gasoline Range Organics	0.506	0.100	mg/L	0.500		101	80-120			
Surrogate: Bromofluorobenzene	0.0435		"	0.0500		87	72-129			
<b>BLANK (1205540376-BLK)</b>					Prepared: Analyzed: 10/09/2023					
Gasoline Range Organics	ND	0.100	mg/L				-			U
Surrogate: Bromofluorobenzene	0.0498		"	0.0500		100	72-129			
<b>PS (1205540377 S)</b>					Source: 640057001 Prepared: Analyzed: 10/09/2023					
Gasoline Range Organics	0.512	0.100	mg/L	0.500		102	63-131			
Surrogate: Bromofluorobenzene	0.0529		"	0.0500		106	72-129			
<b>PSD (1205540378 SD)</b>					Source: 640057001 Prepared: Analyzed: 10/09/2023					
Gasoline Range Organics	0.535	0.100	mg/L	0.500		107	63-131	4	30	
Surrogate: Bromofluorobenzene	0.0548		"	0.0500		110	72-129			

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## Nitrate/Nitrite by EPA 353.2 - Quality Control GEL Laboratories, LLC

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 2505206 -										
BLANK (1205540030-BLK)					Prepared: Analyzed: 10/09/2023					
Nitrogen, Nitrate/Nitrite	ND	0.0200	mg/L				-			U
LCS (1205540031-BKS)					Prepared: Analyzed: 10/09/2023					
Nitrogen, Nitrate/Nitrite	1.06	0.0200	mg/L	1.00		106	90-110			
DUP (1205540032 D)					Prepared: Analyzed: 10/09/2023					
		Source: 640008004								
Nitrogen, Nitrate/Nitrite	2.97	0.200	mg/L		2.85		0-20	4.12	20	
PS (1205540033 S)					Prepared: Analyzed: 10/09/2023					
		Source: 640008004								
Nitrogen, Nitrate/Nitrite	13.0	0.200	mg/L	1.00		102	90-110			

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## Total Phosphorus by EPA 365.4 - Quality Control GEL Laboratories, LLC

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 2503687 - EPA 365.4 Prep										
BLANK (1205537608-BLK)					Prepared: 10/06/2023 Analyzed: 10/10/2023					
Phosphorus, Total as P	ND	0.0500	mg/L				-			U
LCS (1205537609-BKS)					Prepared: 10/06/2023 Analyzed: 10/10/2023					
Phosphorus, Total as P	1.08	0.0500	mg/L	1.00		108	80-123			
DUP (1205537610 D)					Prepared: 10/06/2023 Analyzed: 10/10/2023					
Phosphorus, Total as P	3.91	0.250	mg/L		3.84		0-36	1.81	36	
MS (1205537611 S)					Prepared: 10/06/2023 Analyzed: 10/10/2023					
Phosphorus, Total as P	4.65	0.250	mg/L	0.0500	3.84	0	66-140			

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### Notes and Definitions

Ua Sample is Non-Detect.

U Result not detected above the detection limit

QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

QM-02 The RPD and/or percent recovery for this QC spike sample cannot be accurately calculated due to the high concentration of analyte inherent in the sample.

h [Undefined]

~440000 ~440000

~140000 ~140000

~1400 ~1400

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

All soil results are reported at a wet weight basis.

Calculated results may use J-flag data (instead of reported "ND") as part of calculation to provide a more accurate result.

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