

August 16, 2022

Ensolum

Jeremy Pike

11049 W 44th Avenue, Suite 103

Wheat Ridge CO 80033

**Project Name - Dawson A1**

**Project Number - [none]**

Attached are your analytical results for Dawson A1 received by Origins Laboratory, Inc. August 04, 2022. This project is associated with Origins project number Y208104-01.

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  
o-squad@oelabinc.com



Ensolum  
11049 W 44th Avenue, Suite 103  
Wheat Ridge CO 80033

Jeremy Pike  
Project Number: [none]  
Project: Dawson A1

**CROSS REFERENCE REPORT**

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SS1@3'	Y208104-01	Soil	August 3, 2022 12:40	08/04/2022 08:35
SS2@3'	Y208104-02	Soil	August 3, 2022 12:45	08/04/2022 08:35
SS3@3'	Y208104-03	Soil	August 3, 2022 12:50	08/04/2022 08:35
SS4@3'	Y208104-04	Soil	August 3, 2022 12:55	08/04/2022 08:35
SS07@3'	Y208104-05	Soil	August 3, 2022 13:00	08/04/2022 08:35
Comp01	Y208104-06	Soil	August 3, 2022 13:05	08/04/2022 08:35
SS10@1'	Y208104-07	Soil	August 3, 2022 13:10	08/04/2022 08:35
SS11@6"	Y208104-08	Soil	August 3, 2022 13:15	08/04/2022 08:35
SS12@1'	Y208104-09	Soil	August 3, 2022 13:20	08/04/2022 08:35
SS13@1'	Y208104-10	Soil	August 3, 2022 13:25	08/04/2022 08:35
SS14@1'	Y208113-01	Soil	August 3, 2022 11:50	08/04/2022 08:35
SS15@1'	Y208113-02	Soil	August 3, 2022 11:55	08/04/2022 08:35
SS16@1'	Y208113-03	Soil	August 3, 2022 12:00	08/04/2022 08:35
SS17@1'	Y208113-04	Soil	August 3, 2022 12:05	08/04/2022 08:35

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.*

Ensolum  
11049 W 44th Avenue, Suite 103  
Wheat Ridge CO 80033

Jeremy Pike  
Project Number: [none]  
Project: Dawson A1

**CROSS REFERENCE REPORT**

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SS18@1'	Y208113-05	Soil	August 3, 2022 12:10	08/04/2022 08:35
SS19@1'	Y208113-06	Soil	August 3, 2022 12:15	08/04/2022 08:35
SS20@1'	Y208113-07	Soil	August 3, 2022 12:20	08/04/2022 08:35
SS21@1'	Y208113-08	Soil	August 3, 2022 12:25	08/04/2022 08:35
SS22@1'	Y208113-09	Soil	August 3, 2022 12:30	08/04/2022 08:35
SS23@1'	Y208113-10	Soil	August 3, 2022 12:35	08/04/2022 08:35
SS24@1'	Y208114-01	Soil	August 3, 2022 13:30	08/04/2022 08:35
SS25@1'	Y208114-02	Soil	August 3, 2022 13:35	08/04/2022 08:35
SS26@1'	Y208114-03	Soil	August 3, 2022 13:40	08/04/2022 08:35
SS27@1'	Y208114-04	Soil	August 3, 2022 13:45	08/04/2022 08:35
SS28@1'	Y208114-05	Soil	August 3, 2022 13:50	08/04/2022 08:35
SS29@1'	Y208114-06	Soil	August 3, 2022 13:55	08/04/2022 08:35
SS30@1'	Y208114-07	Soil	August 3, 2022 14:00	08/04/2022 08:35
SS31@7'	Y208114-08	Soil	August 3, 2022 14:05	08/04/2022 08:35

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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Ensolum

11049 W 44th Avenue, Suite 103

Wheat Ridge CO 80033

Jeremy Pike

Project Number: [none]

Project: Dawson A1

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Origins Laboratory, Inc.



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Jen Pellegrini, Project Manager

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Ensolum

11049 W 44th Avenue, Suite 103

Wheat Ridge CO 80033

Jeremy Pike

Project Number: [none]

Project: Dawson A1

Bill to Western Operating  
Steve a Western Operating Coon

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page 1 of 1

4208104

ORIGINS LABORATORY, INC

Client: Ensolum

Address:

Telephone Number:

Email Address: Ensolum By Terra Jeremy Pike

Project Manager: Jeremy Pike

Project Name: Dawson A1

Project Number:

Samples Collected By: Glenn Thompson

Sample ID Description	Date Sampled	Time Sampled	# of Containers	Preservative				Matrix			Analysis				Sample Instructions			
				Unpreserved	HCl	HNO <sub>3</sub>	Other	Groundwater	Soil	Air Summa	Canister #	Other	PH	EC		SAR	Boron	BTEX, TPH
SS01-SS103'	8-3-22	12:10	1	X					X									SAME DAY
SS203'		12:45	1	X					X									SAME DAY
SS303'		12:50	1	X					X									SAME DAY
SS403'		12:55	1	X					X									SAME DAY
SS0703'		13:00	2	X					X									SAME DAY
Comp 61		13:05	2	X					X									SAME DAY
SS1001'		13:10	2	X					X									SAME DAY
SS1106"		13:15	2	X					X									SAME DAY
SS1201'		13:20	2	X					X									SAME DAY
SS1301'		13:25	2	X					X									SAME DAY
Relinquished By:	Date: 8-4-22	Time: 8:35	Time: 8:35	Received By:	Date: 8-4-22	Time: 8:35	Time: 8:35	Received By:	Date: 8-4-22	Time: 8:35	Time: 8:35	Received By:	Date: 8-4-22	Time: 8:35	Time: 8:35	Time: 8:35	Time: 8:35	Turnaround Time: 24 Hr
Relinquished By:	Date:	Time:	Time:	Received By:	Date:	Time:	Time:	Received By:	Date:	Time:	Time:	Received By:	Date:	Time:	Time:	Time:	Time:	Turnaround Time: 48 Hr
																		Standard

Temp Received: 8.30

Date Results Needed

Origins Laboratory, Inc.

Jefe Pellegrini

Jen Pellegrini, Project Manager

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Ensolum

11049 W 44th Avenue, Suite 103

Wheat Ridge CO 80033

Jeremy Pike

Project Number: [none]

Project: Dawson A1

Origins Laboratory

Sample Receipt Checklist

Origins Work Order: Y206104

Client: Ensolum

Client Project ID: Dawson A1

Checklist Completed by: MS

Date/time completed: 8/3/22

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

Airbill #: NA

Matrix(s) Received: (Check all that apply): ☒ Soil/Solid ☐ Water ☐ Other: \_\_\_\_\_

Cooler Number/Temperature: 1, 23.0°C

Thermometer ID: T004

Effective Date: 01/09/12

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"/>		
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"/>		
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 HNO <sub>3</sub> , HCL, H <sub>2</sub> SO <sub>4</sub> ) / (pH >10 for samples preserved with NaAsO <sub>2</sub> +NaOH, ZnAc+NaOH)			<input checked="" type="checkbox"/>	
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: 8/3/22

Origins Laboratory, Inc.

Jen Pellegrini

Jen Pellegrini, Project Manager

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Ensolum  
11049 W 44th Avenue, Suite 103  
Wheat Ridge CO 80033

Jeremy Pike  
Project Number: [none]  
Project: Dawson A1

Origins Laboratory

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

Origins Work Order: Y208113 **Sample Receipt Checklist**

Client: Ensolum  
Client Project ID: Dawson A1

Checklist Completed by: TSH  
Date/time completed: 8/3/22

Shipped Via: HD  
(UPS, FedEx, Hand Delivered, Pick-up, etc.)  
Airbill #: N/A

Matrix(s) Received: (Check all that apply): ☒ Soil/Solid ☐ Water ☐ Other: \_\_\_\_\_

Cooler Number/Temperature: 1 / 8.3 °C ☐ °C ☐ °C (Describe) \_\_\_\_\_ °C

Thermometer ID: T004

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"/>		
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"/>	<u>no cooler</u> JB
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"/>	
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 HNO <sub>3</sub> , HCL, H <sub>2</sub> SO <sub>4</sub> / ( pH > 10 for samples preserved with Na <sub>2</sub> CO <sub>3</sub> +NaOH, ZnAc+NaOH)			<input checked="" type="checkbox"/>	
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 8/3/22

Origins Laboratory, Inc.

Jefe Pellegrini

Jen Pellegrini, Project Manager

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Ensolum

11049 W 44th Avenue, Suite 103

Wheat Ridge CO 80033

Jeremy Pike

Project Number: [none]

Project: Dawson A1

**ORIGINS**  
LABORATORY, INC

www.originslaboratory.com

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page 3 of 3

Client: Ensolum

Address:

Project Manager: Jeremy Pike

Project Name: Dawson A1

Project Number:

Samples Collected By: Glenn Thompson

Telephone Number:

Email Address: JPike@Ensolum.com

Fax: 303.265.9645

Phone: 303.433.1322

Denver, CO 80211

1725 Elk Place

Sample ID Description	Date Sampled	Time Sampled	# of Containers	Preservative				Matrix			Analysis	Sample Instructions
				Unpreserved	HCl	HNO <sub>3</sub>	Other	Groundwater	Soil	As Surrogate		
SS24e1	8-3-22	1330	2	X				X				1
SS25e1		1335	2	X				X				2
SS26e1		1340	2	X				X				3
SS27e1		1345	2	X				X				4
SS28e1		1350	2	X				X				5
SS29e1		1355	2	X				X				6
SS30e1		1400	2	X				X				7
SS31e1		1405	2	X				X				8
SS32e1		1410	2	X				X				9
SS33e1		1415	2	X				X				10
Relinquished By:	Date: 8-4-22	Time: 840	Received By: JPM				Received By:			Date: 8-4-22	Time: 8:35	Turnaround Time: Same Day <input type="checkbox"/> 24 Hr <input type="checkbox"/> 48 Hr <input type="checkbox"/> 72 Hr <input type="checkbox"/> Standard <input checked="" type="checkbox"/>

Temp Received: 8.3°

Date Results Needed

Origins Laboratory, Inc.

*Jefe Pellegrini*

Jen Pellegrini, Project Manager

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Ensolum  
11049 W 44th Avenue, Suite 103  
Wheat Ridge CO 80033

Jeremy Pike  
Project Number: [none]  
Project: Dawson A1

Origins Laboratory

Origins Work Order: Y208114

Checklist Completed by: TSH

Date/time completed: 8/3/22

Matrix(s) Received: (Check all that apply): ☒ Soil/Solid ☐ Water ☐ Other: \_\_\_\_\_

Cooler Number/Temperature: T004 18.3 °C 1 °C 1 °C (Describe) \_\_\_\_\_ °C

Thermometer ID: \_\_\_\_\_

Sample Receipt Checklist

Client: Ensolum

Client Project ID: Dawson A1

Shipped Via: HD

Airbill #: N/A (UPS, FedEx, Hand Delivered, Pick-up, etc.)

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

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"/>		
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"/>	<u>no cooler</u> <u>JB</u>
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"/>	
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 HNO <sub>3</sub> , HCL, H <sub>2</sub> SO <sub>4</sub> ) / (pH > 10 for samples preserved with NaAsO <sub>2</sub> +NaOH, ZnAc+NaOH)			<input checked="" type="checkbox"/>	
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: 8/3/22

Origins Laboratory, Inc.

Jen Pellegrini

Jen Pellegrini, Project Manager

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Ensolum  
11049 W 44th Avenue, Suite 103  
Wheat Ridge CO 80033

Jeremy Pike  
Project Number: [none]  
Project: Dawson A1

SS1@3'

8/3/2022 12:40:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.  
Y208104-01 (Soil)

## pH in Soil by 9045D

pH	8.28			pH Units	1	B2H0814	08/08/2022	08/09/2022	
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Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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Ensolum

11049 W 44th Avenue, Suite 103

Wheat Ridge CO 80033

Jeremy Pike

Project Number: [none]

Project: Dawson A1

SS2@3'

8/3/2022 12:45:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.

Y208104-02 (Soil)

## pH in Soil by 9045D

pH	8.42			pH Units	1	B2H0814	08/08/2022	08/09/2022	
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Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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Ensolum  
11049 W 44th Avenue, Suite 103  
Wheat Ridge CO 80033

Jeremy Pike  
Project Number: [none]  
Project: Dawson A1

SS3@3'

8/3/2022 12:50:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.  
Y208104-03 (Soil)

## pH in Soil by 9045D

pH	8.24			pH Units	1	B2H0814	08/08/2022	08/09/2022	
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Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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Ensolum

11049 W 44th Avenue, Suite 103

Wheat Ridge CO 80033

Jeremy Pike

Project Number: [none]

Project: Dawson A1

SS4@3'

8/3/2022 12:55:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.

Y208104-04 (Soil)

## pH in Soil by 9045D

pH	8.14		pH Units	1	B2H0814	08/08/2022	08/09/2022
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Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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Ensolum

11049 W 44th Avenue, Suite 103

Wheat Ridge CO 80033

Jeremy Pike

Project Number: [none]

Project: Dawson A1

SS07@3'

8/3/2022 1:00:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.

Y208104-05 (Soil)

## pH in Soil by 9045D

pH	9.14		pH Units	1	B2H0814	08/08/2022	08/09/2022
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Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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Ensolum  
11049 W 44th Avenue, Suite 103  
Wheat Ridge CO 80033

Jeremy Pike  
Project Number: [none]  
Project: Dawson A1

## Comp01

8/3/2022 1:05:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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## Origins Laboratory, Inc. Y208104-06 (Soil)

### Boron (DTPA Sorbitol)

Boron	0.516	0.0988	mg/L	1	B2H0505	08/05/2022	08/09/2022
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### Metals by Saturated Paste by EPA 6010

Calcium	2.15	0.499	meq/L	10	[CALC]	08/05/2022	08/08/2022
Magnesium	ND	0.823	"	"	"	"	"
Sodium	1.84	0.435	"	"	"	"	"

### pH in Soil by 9045D

pH	8.28		pH Units	1	B2H0509	08/05/2022	08/06/2022
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### SAR by 20B Saturated Paste

SAR	1.67		SAR	1	B2H0502	08/05/2022	08/08/2022
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### Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.475	0.00500	mmhos/cm	1	B2H0509	08/05/2022	08/06/2022
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Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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Ensolum  
11049 W 44th Avenue, Suite 103  
Wheat Ridge CO 80033

Jeremy Pike  
Project Number: [none]  
Project: Dawson A1

SS10@1'

8/3/2022 1:10:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y208104-07 (Soil)**

**Boron (DTPA Sorbitol)**

Boron	0.698	0.0989	mg/L	1	B2H0505	08/05/2022	08/09/2022
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**DRO/ORO by EPA 8015D**

Diesel (C10-C28)	87.6	25.0	mg/kg	1	B2H0820	08/08/2022	08/15/2022
Residual Range Organics (C28-C40)	199	100	"	"	"	"	"

Surrogate: o-Terphenyl	109 %	50-150	"	"	"
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**GBTEX+TMBs by 8260D**

Benzene	ND	0.00200	mg/kg	1	B2H0819	08/08/2022	08/08/2022	U
Ethylbenzene	ND	0.00200	"	"	"	"	"	U
Toluene	ND	0.00200	"	"	"	"	"	U
Xylenes, total	ND	0.00200	"	"	"	"	"	U
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4	101 %	70-130	"	"	"
Surrogate: Toluene-d8	102 %	70-130	"	"	"
Surrogate: 4-Bromofluorobenzene	106 %	70-130	"	"	"

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Ensolum  
11049 W 44th Avenue, Suite 103  
Wheat Ridge CO 80033

Jeremy Pike  
Project Number: [none]  
Project: Dawson A1

SS10@1'

8/3/2022 1:10:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.  
Y208104-07 (Soil)

### Metals by Saturated Paste by EPA 6010

Calcium	1.42	0.499	meq/L	10	[CALC]	08/05/2022	08/08/2022
Magnesium	ND	0.823	"	"	"	"	"
Sodium	14.7	0.435	"	"	"	"	"

### pH in Soil by 9045D

pH	8.30		pH Units	1	B2H0509	08/05/2022	08/06/2022
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### SAR by 20B Saturated Paste

SAR	16.2		SAR	1	B2H0502	08/05/2022	08/08/2022
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### Specific Conductance Mod. 9050A

Specific Conductance (EC)	1.78	0.00500	mmhos/cm	1	B2H0509	08/05/2022	08/06/2022
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Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Ensolum  
11049 W 44th Avenue, Suite 103  
Wheat Ridge CO 80033

Jeremy Pike  
Project Number: [none]  
Project: Dawson A1

SS11@6"

8/3/2022 1:15:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y208104-08 (Soil)**

**Boron (DTPA Sorbitol)**

Boron	0.303	0.100	mg/L	1	B2H0505	08/05/2022	08/09/2022	
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**DRO/ORO by EPA 8015D**

Diesel (C10-C28)	ND	25.0	mg/kg	1	B2H0820	08/08/2022	08/15/2022	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	U

Surrogate: o-Terphenyl	91.1 %	50-150			"	"	"
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**GBTEX+TMBs by 8260D**

Benzene	ND	0.00200	mg/kg	1	B2H0819	08/08/2022	08/08/2022	U
Ethylbenzene	ND	0.00200	"	"	"	"	"	U
Toluene	ND	0.00200	"	"	"	"	"	U
Xylenes, total	ND	0.00200	"	"	"	"	"	U
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4	101 %	70-130			"	"	"
Surrogate: Toluene-d8	102 %	70-130			"	"	"
Surrogate: 4-Bromofluorobenzene	108 %	70-130			"	"	"

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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Ensolum  
11049 W 44th Avenue, Suite 103  
Wheat Ridge CO 80033

Jeremy Pike  
Project Number: [none]  
Project: Dawson A1

SS11@6"

8/3/2022 1:15:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y208104-08 (Soil)**

**Metals by Saturated Paste by EPA 6010**

Calcium	1.77	0.499	meq/L	10	[CALC]	08/05/2022	08/08/2022
Magnesium	ND	0.823	"	"	"	"	"
Sodium	3.48	0.435	"	"	"	"	"

**pH in Soil by 9045D**

pH	7.97		pH Units	1	B2H0509	08/05/2022	08/06/2022
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**SAR by 20B Saturated Paste**

SAR	3.43		SAR	1	B2H0502	08/05/2022	08/08/2022
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**Specific Conductance Mod. 9050A**

Specific Conductance (EC)	0.635	0.00500	mmhos/cm	1	B2H0509	08/05/2022	08/06/2022
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Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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Ensolum  
11049 W 44th Avenue, Suite 103  
Wheat Ridge CO 80033

Jeremy Pike  
Project Number: [none]  
Project: Dawson A1

SS12@1'

8/3/2022 1:20:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y208104-09 (Soil)**

**Boron (DTPA Sorbitol)**

Boron	0.873	0.101	mg/L	1	B2H0505	08/05/2022	08/09/2022
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**DRO/ORO by EPA 8015D**

Diesel (C10-C28)	113	25.0	mg/kg	1	B2H0820	08/08/2022	08/15/2022
Residual Range Organics (C28-C40)	393	100	"	"	"	"	"

Surrogate: o-Terphenyl	111 %	50-150	"	"	"
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**GBTEX+TMBs by 8260D**

Benzene	ND	0.00200	mg/kg	1	B2H0819	08/08/2022	08/08/2022	U
Ethylbenzene	ND	0.00200	"	"	"	"	"	U
Toluene	ND	0.00200	"	"	"	"	"	U
Xylenes, total	ND	0.00200	"	"	"	"	"	U
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4	102 %	70-130	"	"	"
Surrogate: Toluene-d8	102 %	70-130	"	"	"
Surrogate: 4-Bromofluorobenzene	111 %	70-130	"	"	"

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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Ensolum  
11049 W 44th Avenue, Suite 103  
Wheat Ridge CO 80033

Jeremy Pike  
Project Number: [none]  
Project: Dawson A1

SS12@1'

8/3/2022 1:20:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.  
Y208104-09 (Soil)

## Metals by Saturated Paste by EPA 6010

Calcium	28.9	0.499	meq/L	10	[CALC]	08/05/2022	08/08/2022
Magnesium	3.56	0.823	"	"	"	"	"
Sodium	20.8	0.435	"	"	"	"	"

## pH in Soil by 9045D

pH	7.80		pH Units	1	B2H0509	08/05/2022	08/06/2022
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## SAR by 20B Saturated Paste

SAR	5.15		SAR	1	B2H0502	08/05/2022	08/08/2022
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## Specific Conductance Mod. 9050A

Specific Conductance (EC)	4.08	0.00500	mmhos/cm	1	B2H0509	08/05/2022	08/06/2022
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Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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Ensolum  
11049 W 44th Avenue, Suite 103  
Wheat Ridge CO 80033

Jeremy Pike  
Project Number: [none]  
Project: Dawson A1

SS13@1'

8/3/2022 1:25:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y208104-10 (Soil)**

**Boron (DTPA Sorbitol)**

Boron	0.694	0.0996	mg/L	1	B2H0505	08/05/2022	08/09/2022
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**DRO/ORO by EPA 8015D**

Diesel (C10-C28)	878	25.0	mg/kg	1	B2H0820	08/08/2022	08/15/2022
Residual Range Organics (C28-C40)	1440	100	"	"	"	"	"

Surrogate: o-Terphenyl	113 %	50-150	"	"	"
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**GBTEX+TMBs by 8260D**

Benzene	ND	0.00200	mg/kg	1	B2H0819	08/08/2022	08/08/2022	U
Ethylbenzene	ND	0.00200	"	"	"	"	"	U
Toluene	ND	0.00200	"	"	"	"	"	U
Xylenes, total	ND	0.00200	"	"	"	"	"	U
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4	106 %	70-130	"	"	"
Surrogate: Toluene-d8	101 %	70-130	"	"	"
Surrogate: 4-Bromofluorobenzene	111 %	70-130	"	"	"

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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Ensolum  
11049 W 44th Avenue, Suite 103  
Wheat Ridge CO 80033

Jeremy Pike  
Project Number: [none]  
Project: Dawson A1

SS13@1'

8/3/2022 1:25:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.  
Y208104-10 (Soil)

### Metals by Saturated Paste by EPA 6010

Calcium	12.5	0.499	meq/L	10	[CALC]	08/05/2022	08/08/2022
Magnesium	2.03	0.823	"	"	"	"	"
Sodium	17.2	0.435	"	"	"	"	"

### pH in Soil by 9045D

pH	8.07		pH Units	1	B2H0509	08/05/2022	08/06/2022
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### SAR by 20B Saturated Paste

SAR	6.38		SAR	1	B2H0502	08/05/2022	08/08/2022
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### Specific Conductance Mod. 9050A

Specific Conductance (EC)	3.04	0.00500	mmhos/cm	1	B2H0509	08/05/2022	08/06/2022
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Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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Ensolum  
11049 W 44th Avenue, Suite 103  
Wheat Ridge CO 80033

Jeremy Pike  
Project Number: [none]  
Project: Dawson A1

SS14@1'

8/3/2022 11:50:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y208113-01 (Soil)**

**Boron (DTPA Sorbitol)**

Boron	0.416	0.0984	mg/L	1	B2H0507	08/05/2022	08/08/2022
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**GBTEX+TMBs by 8260D**

Benzene	ND	0.00200	mg/kg	1	B2H0826	08/08/2022	08/11/2022	U
Ethylbenzene	ND	0.00200	"	"	"	"	"	U
Toluene	ND	0.00200	"	"	"	"	"	U
Xylenes, total	ND	0.00200	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4	101 %	70-130	"	"	"
Surrogate: Toluene-d8	98.2 %	70-130	"	"	"
Surrogate: 4-Bromofluorobenzene	108 %	70-130	"	"	"

**Metals by Saturated Paste by EPA 6010**

Calcium	18.5	0.499	meq/L	10	[CALC]	08/05/2022	08/08/2022
Magnesium	2.67	0.823	"	"	"	"	"
Sodium	24.1	0.435	"	"	"	"	"

**pH in Soil by 9045D**

pH	8.08	pH Units	1	B2H0511	08/05/2022	08/06/2022
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Origins Laboratory, Inc.



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Jen Pellegrini, Project Manager

Ensolum  
11049 W 44th Avenue, Suite 103  
Wheat Ridge CO 80033

Jeremy Pike  
Project Number: [none]  
Project: Dawson A1

SS14@1'

8/3/2022 11:50:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.  
Y208113-01 (Soil)

### SAR by 20B Saturated Paste

SAR	7.42			SAR	1	B2H0504	08/05/2022	08/08/2022	
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### Specific Conductance Mod. 9050A

Specific Conductance (EC)	4.28		0.00500	mmhos/cm	1	B2H0511	08/05/2022	08/06/2022	
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Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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Ensolum  
11049 W 44th Avenue, Suite 103  
Wheat Ridge CO 80033

Jeremy Pike  
Project Number: [none]  
Project: Dawson A1

SS15@1'

8/3/2022 11:55:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y208113-02 (Soil)**

**Boron (DTPA Sorbitol)**

Boron	0.216	0.0990	mg/L	1	B2H0507	08/05/2022	08/08/2022
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**GBTEX+TMBs by 8260D**

Benzene	ND	0.00200	mg/kg	1	B2H0826	08/08/2022	08/11/2022	U
Ethylbenzene	ND	0.00200	"	"	"	"	"	U
Toluene	ND	0.00200	"	"	"	"	"	U
Xylenes, total	ND	0.00200	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4	102 %	70-130	"	"	"
Surrogate: Toluene-d8	98.3 %	70-130	"	"	"
Surrogate: 4-Bromofluorobenzene	105 %	70-130	"	"	"

**Metals by Saturated Paste by EPA 6010**

Calcium	0.716	0.499	meq/L	10	[CALC]	08/05/2022	08/08/2022
Magnesium	ND	0.823	"	"	"	"	"
Sodium	2.28	0.435	"	"	"	"	"

**pH in Soil by 9045D**

pH	8.48	pH Units	1	B2H0511	08/05/2022	08/06/2022
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Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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Ensolum  
11049 W 44th Avenue, Suite 103  
Wheat Ridge CO 80033

Jeremy Pike  
Project Number: [none]  
Project: Dawson A1

SS15@1'

8/3/2022 11:55:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.  
Y208113-02 (Soil)

### SAR by 20B Saturated Paste

SAR	3.55			SAR	1	B2H0504	08/05/2022	08/08/2022	
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### Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.325	0.00500	mmhos/cm	1	B2H0511	08/05/2022	08/06/2022		
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Origins Laboratory, Inc.



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Jen Pellegrini, Project Manager



Ensolum  
11049 W 44th Avenue, Suite 103  
Wheat Ridge CO 80033

Jeremy Pike  
Project Number: [none]  
Project: Dawson A1

SS16@1'

8/3/2022 12:00:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y208113-03 (Soil)**

**Boron (DTPA Sorbitol)**

Boron	0.361	0.0994	mg/L	1	B2H0507	08/05/2022	08/08/2022
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**GBTEX+TMBs by 8260D**

Benzene	ND	0.00200	mg/kg	1	B2H0826	08/08/2022	08/11/2022	U
Ethylbenzene	ND	0.00200	"	"	"	"	"	U
Toluene	ND	0.00200	"	"	"	"	"	U
Xylenes, total	ND	0.00200	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4	103 %	70-130	"	"	"
Surrogate: Toluene-d8	98.9 %	70-130	"	"	"
Surrogate: 4-Bromofluorobenzene	106 %	70-130	"	"	"

**Metals by Saturated Paste by EPA 6010**

Calcium	2.66	0.499	meq/L	10	[CALC]	08/05/2022	08/08/2022
Magnesium	ND	0.823	"	"	"	"	"
Sodium	1.19	0.435	"	"	"	"	"

**pH in Soil by 9045D**

pH	8.35	pH Units	1	B2H0511	08/05/2022	08/06/2022
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Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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Ensolum  
11049 W 44th Avenue, Suite 103  
Wheat Ridge CO 80033

Jeremy Pike  
Project Number: [none]  
Project: Dawson A1

SS16@1'

8/3/2022 12:00:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.  
Y208113-03 (Soil)

### SAR by 20B Saturated Paste

SAR	0.975			SAR	1	B2H0504	08/05/2022	08/08/2022	
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### Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.481	0.00500	mmhos/cm	1	B2H0511	08/05/2022	08/06/2022		
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Origins Laboratory, Inc.



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Jen Pellegrini, Project Manager

Ensolum  
11049 W 44th Avenue, Suite 103  
Wheat Ridge CO 80033

Jeremy Pike  
Project Number: [none]  
Project: Dawson A1

SS17@1'

8/3/2022 12:05:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y208113-04 (Soil)**

**Boron (DTPA Sorbitol)**

Boron	0.293	0.0996	mg/L	1	B2H0507	08/05/2022	08/08/2022
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**GBTEX+TMBs by 8260D**

Benzene	ND	0.00200	mg/kg	1	B2H0826	08/08/2022	08/11/2022	U
Ethylbenzene	ND	0.00200	"	"	"	"	"	U
Toluene	ND	0.00200	"	"	"	"	"	U
Xylenes, total	ND	0.00200	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4	106 %	70-130	"	"	"
Surrogate: Toluene-d8	96.6 %	70-130	"	"	"
Surrogate: 4-Bromofluorobenzene	104 %	70-130	"	"	"

**Metals by Saturated Paste by EPA 6010**

Calcium	1.97	0.499	meq/L	10	[CALC]	08/05/2022	08/08/2022
Magnesium	ND	0.823	"	"	"	"	"
Sodium	0.702	0.435	"	"	"	"	"

**pH in Soil by 9045D**

pH	8.33	pH Units	1	B2H0511	08/05/2022	08/06/2022
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Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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Ensolum  
11049 W 44th Avenue, Suite 103  
Wheat Ridge CO 80033

Jeremy Pike  
Project Number: [none]  
Project: Dawson A1

SS17@1'

8/3/2022 12:05:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.  
Y208113-04 (Soil)

### SAR by 20B Saturated Paste

SAR	0.663			SAR	1	B2H0504	08/05/2022	08/08/2022	
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### Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.300	0.00500	mmhos/cm	1	B2H0511	08/05/2022	08/06/2022		
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Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Jen Pellegrini, Project Manager

Ensolum  
11049 W 44th Avenue, Suite 103  
Wheat Ridge CO 80033

Jeremy Pike  
Project Number: [none]  
Project: Dawson A1

SS18@1'

8/3/2022 12:10:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y208113-05 (Soil)**

**Boron (DTPA Sorbitol)**

Boron	0.316	0.0992	mg/L	1	B2H0507	08/05/2022	08/08/2022
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**DRO/ORO by EPA 8015D**

Diesel (C10-C28)	54.6	25.0	mg/kg	1	B2H0821	08/08/2022	08/11/2022
Residual Range Organics (C28-C40)	213	100	"	"	"	"	"

Surrogate: o-Terphenyl	111 %	50-150	"	"	"
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**GBTEX+TMBs by 8260D**

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B2H0826	08/08/2022	08/11/2022	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	"	"	U
Benzene	ND	0.00200	"	"	"	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	"	"	U
Toluene	ND	0.00200	"	"	"	"	"	U
Xylenes, total	ND	0.00200	"	"	"	"	"	U
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4	103 %	70-130	"	"	"
Surrogate: Toluene-d8	96.7 %	70-130	"	"	"

Origins Laboratory, Inc.



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Jen Pellegrini, Project Manager

Ensolum  
11049 W 44th Avenue, Suite 103  
Wheat Ridge CO 80033

Jeremy Pike  
Project Number: [none]  
Project: Dawson A1

SS18@1'

8/3/2022 12:10:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.  
Y208113-05 (Soil)

## GBTEX+TMBs by 8260D

Surrogate: 4-Bromofluorobenzene	107 %	70-130	B2H08 26	08/08/2022	08/11/2022
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## Metals by Saturated Paste by EPA 6010

Calcium	4.49	0.499	meq/L	10	[CALC]	08/05/2022	08/08/2022
Magnesium	ND	0.823	"	"	"	"	"
Sodium	1.34	0.435	"	"	"	"	"

## PAH by 8270D SIM

1-Methylnaphthalene	ND	0.00182	0.00335	mg/Kg	5	L631227	08/10/2022	08/10/2022
2-Methylnaphthalene	ND	0.00323	0.00335	"	"	"	"	"
Acenaphthene	ND	0.00152	0.00335	"	"	"	"	"
Anthracene	ND	0.00167	0.00335	"	"	"	"	"
Benzo(a)anthracene	ND	0.00247	0.00335	"	"	"	"	"
Benzo(a)pyrene	ND	0.00234	0.00335	"	"	"	"	"
Benzo(b)fluoranthene	ND	0.00293	0.00335	"	"	"	"	"
Benzo(k)fluoranthene	ND	0.00219	0.00335	"	"	"	"	"
Chrysene	ND	0.00312	0.00335	"	"	"	"	"
Dibenz(a,h)anthracene	ND	0.00307	0.00335	"	"	"	"	"
Fluoranthene	ND	0.00197	0.00335	"	"	"	"	"
Fluorene	ND	0.00143	0.00335	"	"	"	"	"

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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Ensolum  
11049 W 44th Avenue, Suite 103  
Wheat Ridge CO 80033

Jeremy Pike  
Project Number: [none]  
Project: Dawson A1

SS18@1'

8/3/2022 12:10:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Waypoint Analytical, Inc.**  
Y208113-05 (Soil)

**PAH by 8270D SIM**

Indeno(1,2,3-cd)pyrene	ND	0.00314	0.00335	mg/Kg	5	L631227	08/10/2022	08/10/2022
Naphthalene	ND	0.00242	0.00335	"	"	"	"	"
Pyrene	ND	0.00322	0.00335	"	"	"	"	"

Surrogate: 2-Fluorobiphenyl	59 %	33-115	"	"	"
Surrogate: 4-Terphenyl-d14	68.2 %	33-122	"	"	"
Surrogate: Nitrobenzene-d5	53.2 %	29-110	"	"	"

**pH in Soil by 9045D**

pH	8.21	pH Units	1	B2H0511	08/05/2022	08/06/2022
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**SAR by 20B Saturated Paste**

SAR	0.849	SAR	1	B2H0504	08/05/2022	08/08/2022
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**Specific Conductance Mod. 9050A**

Specific Conductance (EC)	0.650	0.00500	mmhos/cm	1	B2H0511	08/05/2022	08/06/2022
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**Table 915 metals by EPA 6020B**

Arsenic	1.78	0.0788	mg/kg	5	B2H0514	08/05/2022	08/07/2022
Barium	48.3	7.88	"	"	"	"	"

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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Ensolum  
11049 W 44th Avenue, Suite 103  
Wheat Ridge CO 80033

Jeremy Pike  
Project Number: [none]  
Project: Dawson A1

SS18@1'

8/3/2022 12:10:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.  
Y208113-05 (Soil)

## Table 915 metals by EPA 6020B

Cadmium	0.0922		0.0788	mg/kg	5	B2H0514	08/05/2022	08/07/2022	
Copper	ND		7.88	"	"	"	"	"	U
Lead	4.09		0.788	"	"	"	"	"	
Nickel	4.16		0.788	"	"	"	"	08/08/2022	
Selenium	0.0985		0.0788	"	"	"	"	"	
Silver	ND		0.0788	"	"	"	"	08/07/2022	U
Zinc	ND		78.8	"	"	"	"	"	U

## Total Metals by 7196A

Chromium, Hexavalent	ND	0.492	1.01	mg/Kg	2	L630797	08/03/2022	08/08/2022	
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Origins Laboratory, Inc.



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Jen Pellegrini, Project Manager

Ensolum  
11049 W 44th Avenue, Suite 103  
Wheat Ridge CO 80033

Jeremy Pike  
Project Number: [none]  
Project: Dawson A1

SS19@1'

8/3/2022 12:15:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y208113-06 (Soil)**

**Boron (DTPA Sorbitol)**

Boron	0.229	0.0998	mg/L	1	B2H0507	08/05/2022	08/08/2022	
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**DRO/ORO by EPA 8015D**

Diesel (C10-C28)	ND	25.0	mg/kg	1	B2H0821	08/08/2022	08/10/2022	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	U

Surrogate: o-Terphenyl	100 %	50-150			"	"	"
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**GBTEX+TMBs by 8260D**

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B2H0826	08/08/2022	08/11/2022	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	"	"	U
Benzene	ND	0.00200	"	"	"	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	"	"	U
Toluene	ND	0.00200	"	"	"	"	"	U
Xylenes, total	ND	0.00200	"	"	"	"	"	U
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4	114 %	70-130			"	"	"
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Origins Laboratory, Inc.



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Jen Pellegrini, Project Manager

Ensolum  
11049 W 44th Avenue, Suite 103  
Wheat Ridge CO 80033

Jeremy Pike  
Project Number: [none]  
Project: Dawson A1

SS19@1'

8/3/2022 12:15:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.  
Y208113-06 (Soil)

## GBTEX+TMBs by 8260D

Surrogate: Toluene-d8	94.9 %	70-130	B2H08 26	08/08/2022	08/11/2022
Surrogate: 4-Bromofluorobenzene	105 %	70-130	"	"	"

## Metals by Saturated Paste by EPA 6010

Calcium	5.71	0.499	meq/L	10	[CALC]	08/05/2022	08/08/2022
Magnesium	0.948	0.823	"	"	"	"	"
Sodium	10.7	0.435	"	"	"	"	"

## PAH by 8270D SIM

1-Methylnaphthalene	ND	0.000364	0.00067	mg/Kg	1	L631227	08/10/2022	08/10/2022
2-Methylnaphthalene	ND	0.000645	0.00067	"	"	"	"	"
Acenaphthene	ND	0.000304	0.00067	"	"	"	"	"
Anthracene	ND	0.000334	0.00067	"	"	"	"	"
Benzo(a)anthracene	ND	0.000493	0.00067	"	"	"	"	"
Benzo(a)pyrene	ND	0.000468	0.00067	"	"	"	"	"
Benzo(b)fluoranthene	ND	0.000585	0.00067	"	"	"	"	"
Benzo(k)fluoranthene	ND	0.000437	0.00067	"	"	"	"	"
Chrysene	ND	0.000624	0.00067	"	"	"	"	"
Dibenz(a,h)anthracene	ND	0.000614	0.00067	"	"	"	"	"
Fluoranthene	ND	0.000394	0.00067	"	"	"	"	"

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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Ensolum  
11049 W 44th Avenue, Suite 103  
Wheat Ridge CO 80033

Jeremy Pike  
Project Number: [none]  
Project: Dawson A1

SS19@1'

8/3/2022 12:15:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Waypoint Analytical, Inc.**  
**Y208113-06 (Soil)**

**PAH by 8270D SIM**

Fluorene	ND	0.000286	0.00067	mg/Kg	1	L631227	08/10/2022	08/10/2022
Indeno(1,2,3-cd)pyrene	ND	0.000627	0.00067	"	"	"	"	"
Naphthalene	ND	0.000484	0.00067	"	"	"	"	"
Pyrene	ND	0.000643	0.00067	"	"	"	"	"

Surrogate: 2-Fluorobiphenyl	57.4 %	33-115	"	"	"
Surrogate: 4-Terphenyl-d14	67.9 %	33-122	"	"	"
Surrogate: Nitrobenzene-d5	50.5 %	29-110	"	"	"

**pH in Soil by 9045D**

pH	8.17	pH Units	1	B2H0511	08/05/2022	08/06/2022
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**SAR by 20B Saturated Paste**

SAR	5.84	SAR	1	B2H0504	08/05/2022	08/08/2022
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**Specific Conductance Mod. 9050A**

Specific Conductance (EC)	1.97	0.00500	mmhos/cm	1	B2H0511	08/05/2022	08/06/2022
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**Table 915 metals by EPA 6020B**

Arsenic	1.97	0.0836	mg/kg	5	B2H0514	08/05/2022	08/07/2022
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Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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Ensolum  
11049 W 44th Avenue, Suite 103  
Wheat Ridge CO 80033

Jeremy Pike  
Project Number: [none]  
Project: Dawson A1

SS19@1'

8/3/2022 12:15:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.  
Y208113-06 (Soil)

## Table 915 metals by EPA 6020B

Barium	53.3	8.36	mg/kg	5	B2H0514	08/05/2022	08/07/2022	
Cadmium	0.117	0.0836	"	"	"	"	"	
Copper	ND	8.36	"	"	"	"	"	U
Lead	4.52	0.836	"	"	"	"	"	
Nickel	4.76	0.836	"	"	"	"	08/08/2022	
Selenium	0.107	0.0836	"	"	"	"	"	
Silver	ND	0.0836	"	"	"	"	08/07/2022	U
Zinc	ND	83.6	"	"	"	"	"	U

## Total Metals by 7196A

Chromium, Hexavalent	ND	0.488	1	mg/Kg	2	L630797	08/03/2022	08/08/2022
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Origins Laboratory, Inc.



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Jen Pellegrini, Project Manager

Ensolum  
11049 W 44th Avenue, Suite 103  
Wheat Ridge CO 80033

Jeremy Pike  
Project Number: [none]  
Project: Dawson A1

SS20@1'

8/3/2022 12:20:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.  
Y208113-07 (Soil)

## Boron (DTPA Sorbitol)

Boron	0.404	0.0992	mg/L	1	B2H0507	08/05/2022	08/08/2022	
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## DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B2H0821	08/08/2022	08/10/2022	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	U

Surrogate: o-Terphenyl	67.2 %	50-150			"	"	"	
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## GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B2H0826	08/08/2022	08/11/2022	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	"	"	U
Benzene	ND	0.00200	"	"	"	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	"	"	U
Toluene	ND	0.00200	"	"	"	"	"	U
Xylenes, total	ND	0.00200	"	"	"	"	"	U
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4	103 %	70-130			"	"	"	
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Origins Laboratory, Inc.



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Jen Pellegrini, Project Manager

Ensolum  
11049 W 44th Avenue, Suite 103  
Wheat Ridge CO 80033

Jeremy Pike  
Project Number: [none]  
Project: Dawson A1

SS20@1'

8/3/2022 12:20:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.  
Y208113-07 (Soil)

## GBTEX+TMBs by 8260D

Surrogate: Toluene-d8	97.2 %	70-130	B2H08 26	08/08/2022	08/11/2022
Surrogate: 4-Bromofluorobenzene	107 %	70-130	"	"	"

## Metals by Saturated Paste by EPA 6010

Calcium	7.30	0.499	meq/L	10	[CALC]	08/05/2022	08/08/2022
Magnesium	0.925	0.823	"	"	"	"	"
Sodium	13.4	0.435	"	"	"	"	"

## PAH by 8270D SIM

1-Methylnaphthalene	ND	0.000364	0.00067	mg/Kg	1	L631227	08/10/2022	08/10/2022
2-Methylnaphthalene	ND	0.000645	0.00067	"	"	"	"	"
Acenaphthene	ND	0.000304	0.00067	"	"	"	"	"
Anthracene	ND	0.000334	0.00067	"	"	"	"	"
Benzo(a)anthracene	ND	0.000493	0.00067	"	"	"	"	"
Benzo(a)pyrene	ND	0.000468	0.00067	"	"	"	"	"
Benzo(b)fluoranthene	ND	0.000585	0.00067	"	"	"	"	"
Benzo(k)fluoranthene	ND	0.000437	0.00067	"	"	"	"	"
Chrysene	ND	0.000624	0.00067	"	"	"	"	"
Dibenz(a,h)anthracene	ND	0.000614	0.00067	"	"	"	"	"
Fluoranthene	ND	0.000394	0.00067	"	"	"	"	"

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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Ensolum  
11049 W 44th Avenue, Suite 103  
Wheat Ridge CO 80033

Jeremy Pike  
Project Number: [none]  
Project: Dawson A1

SS20@1'

8/3/2022 12:20:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, Inc.  
Y208113-07 (Soil)

## PAH by 8270D SIM

Fluorene	ND	0.000286	0.00067	mg/Kg	1	L631227	08/10/2022	08/10/2022
Indeno(1,2,3-cd)pyrene	ND	0.000627	0.00067	"	"	"	"	"
Naphthalene	ND	0.000484	0.00067	"	"	"	"	"
Pyrene	ND	0.000643	0.00067	"	"	"	"	"

Surrogate: 2-Fluorobiphenyl	52 %	33-115	"	"	"
Surrogate: 4-Terphenyl-d14	70.9 %	33-122	"	"	"
Surrogate: Nitrobenzene-d5	46.2 %	29-110	"	"	"

## pH in Soil by 9045D

pH	8.10	pH Units	1	B2H0511	08/05/2022	08/06/2022
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## SAR by 20B Saturated Paste

SAR	6.63	SAR	1	B2H0504	08/05/2022	08/08/2022
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## Specific Conductance Mod. 9050A

Specific Conductance (EC)	2.34	0.00500	mmhos/cm	1	B2H0511	08/05/2022	08/06/2022
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## Table 915 metals by EPA 6020B

Arsenic	2.34	0.0886	mg/kg	5	B2H0514	08/05/2022	08/07/2022
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Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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Ensolum  
11049 W 44th Avenue, Suite 103  
Wheat Ridge CO 80033

Jeremy Pike  
Project Number: [none]  
Project: Dawson A1

SS20@1'

8/3/2022 12:20:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.  
Y208113-07 (Soil)

## Table 915 metals by EPA 6020B

Barium	49.5	8.86	mg/kg	5	B2H0514	08/05/2022	08/07/2022	
Cadmium	0.120	0.0886	"	"	"	"	"	
Copper	ND	8.86	"	"	"	"	"	U
Lead	4.92	0.886	"	"	"	"	"	
Nickel	5.17	0.886	"	"	"	"	08/08/2022	
Selenium	0.129	0.0886	"	"	"	"	"	
Silver	ND	0.0886	"	"	"	"	08/07/2022	U
Zinc	ND	88.6	"	"	"	"	"	U

## Total Metals by 7196A

Chromium, Hexavalent	ND	0.488	1	mg/Kg	2	L630797	08/03/2022	08/08/2022
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Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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Ensolum  
11049 W 44th Avenue, Suite 103  
Wheat Ridge CO 80033

Jeremy Pike  
Project Number: [none]  
Project: Dawson A1

SS21@1'

8/3/2022 12:25:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y208113-08 (Soil)**

**Boron (DTPA Sorbitol)**

Boron	0.303	0.0995	mg/L	1	B2H0507	08/05/2022	08/08/2022
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**DRO/ORO by EPA 8015D**

Diesel (C10-C28)	309	25.0	mg/kg	1	B2H0821	08/08/2022	08/10/2022
Residual Range Organics (C28-C40)	769	100	"	"	"	"	"

Surrogate: o-Terphenyl	18.7 %	50-150	"	"	"	S-04, U
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**GBTEX+TMBs by 8260D**

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B2H0826	08/08/2022	08/11/2022	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	"	"	U
Benzene	ND	0.00200	"	"	"	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	"	"	U
Toluene	ND	0.00200	"	"	"	"	"	U
Xylenes, total	ND	0.00200	"	"	"	"	"	U
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4	109 %	70-130	"	"	"
Surrogate: Toluene-d8	99.1 %	70-130	"	"	"

Origins Laboratory, Inc.



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Jen Pellegrini, Project Manager

Ensolum  
11049 W 44th Avenue, Suite 103  
Wheat Ridge CO 80033

Jeremy Pike  
Project Number: [none]  
Project: Dawson A1

SS21@1'

8/3/2022 12:25:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.  
Y208113-08 (Soil)

## GBTEX+TMBs by 8260D

Surrogate: 4-Bromofluorobenzene	114 %	70-130	B2H08 26	08/08/2022	08/11/2022
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## Metals by Saturated Paste by EPA 6010

Calcium	9.42	0.499	meq/L	10	[CALC]	08/05/2022	08/08/2022
Magnesium	1.41	0.823	"	"	"	"	"
Sodium	3.47	0.435	"	"	"	"	"

## PAH by 8270D SIM

1-Methylnaphthalene	ND	0.00728	0.0134	mg/Kg	20	L631227	08/10/2022	08/10/2022
2-Methylnaphthalene	ND	0.0129	0.0134	"	"	"	"	"
Acenaphthene	ND	0.00608	0.0134	"	"	"	"	"
Anthracene	ND	0.00668	0.0134	"	"	"	"	"
Benzo(a)anthracene	ND	0.00986	0.0134	"	"	"	"	"
Benzo(a)pyrene	0.0103	0.00936	0.0134	"	"	"	"	" J
Benzo(b)fluoranthene	ND	0.0117	0.0134	"	"	"	"	"
Benzo(k)fluoranthene	ND	0.00874	0.0134	"	"	"	"	"
Chrysene	0.0732	0.0125	0.0134	"	"	"	"	"
Dibenz(a,h)anthracene	ND	0.0123	0.0134	"	"	"	"	"
Fluoranthene	ND	0.00788	0.0134	"	"	"	"	"
Fluorene	ND	0.00572	0.0134	"	"	"	"	"

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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Ensolum  
11049 W 44th Avenue, Suite 103  
Wheat Ridge CO 80033

Jeremy Pike  
Project Number: [none]  
Project: Dawson A1

SS21@1'

8/3/2022 12:25:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Waypoint Analytical, Inc.**  
Y208113-08 (Soil)

**PAH by 8270D SIM**

Indeno(1,2,3-cd)pyrene	ND	0.0125	0.0134	mg/Kg	20	L631227	08/10/2022	08/10/2022
Naphthalene	ND	0.00968	0.0134	"	"	"	"	"
Pyrene	ND	0.0129	0.0134	"	"	"	"	"

Surrogate: 2-Fluorobiphenyl	42.6 %	33-115	"	"	"
Surrogate: 4-Terphenyl-d14	45.4 %	33-122	"	"	"
Surrogate: Nitrobenzene-d5	42.9 %	29-110	"	"	"

**pH in Soil by 9045D**

pH	8.19	pH Units	1	B2H0511	08/05/2022	08/06/2022
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**SAR by 20B Saturated Paste**

SAR	1.49	SAR	1	B2H0504	08/05/2022	08/08/2022
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**Specific Conductance Mod. 9050A**

Specific Conductance (EC)	1.27	0.00500	mmhos/cm	1	B2H0511	08/05/2022	08/06/2022
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**Table 915 metals by EPA 6020B**

Arsenic	1.05	0.0843	mg/kg	5	B2H0514	08/05/2022	08/07/2022
Barium	26.4	8.43	"	"	"	"	"

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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Ensolum  
11049 W 44th Avenue, Suite 103  
Wheat Ridge CO 80033

Jeremy Pike  
Project Number: [none]  
Project: Dawson A1

SS21@1'

8/3/2022 12:25:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.  
Y208113-08 (Soil)

### Table 915 metals by EPA 6020B

Cadmium	ND	0.0843	mg/kg	5	B2H0514	08/05/2022	08/07/2022	U
Copper	ND	8.43	"	"	"	"	"	U
Lead	3.37	0.843	"	"	"	"	"	
Nickel	2.93	0.843	"	"	"	"	08/08/2022	
Selenium	ND	0.0843	"	"	"	"	"	U
Silver	ND	0.0843	"	"	"	"	08/07/2022	U
Zinc	ND	84.3	"	"	"	"	"	U

### Total Metals by 7196A

Chromium, Hexavalent	ND	0.488	1	mg/Kg	2	L630798	08/03/2022	08/08/2022
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Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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Ensolum  
11049 W 44th Avenue, Suite 103  
Wheat Ridge CO 80033

Jeremy Pike  
Project Number: [none]  
Project: Dawson A1

SS22@1'

8/3/2022 12:30:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.  
Y208113-09 (Soil)

## Boron (DTPA Sorbitol)

Boron	0.234	0.0996	mg/L	1	B2H0507	08/05/2022	08/08/2022	
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## DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B2H0821	08/08/2022	08/10/2022	U
Residual Range Organics (C28-C40)	115	100	"	"	"	"	"	

Surrogate: o-Terphenyl	107 %	50-150			"	"	"	
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## GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B2H0826	08/08/2022	08/11/2022	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	"	"	U
Benzene	ND	0.00200	"	"	"	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	"	"	U
Toluene	ND	0.00200	"	"	"	"	"	U
Xylenes, total	ND	0.00200	"	"	"	"	"	U
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4	107 %	70-130			"	"	"	
Surrogate: Toluene-d8	96.7 %	70-130			"	"	"	

Origins Laboratory, Inc.



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Jen Pellegrini, Project Manager



Ensolum  
11049 W 44th Avenue, Suite 103  
Wheat Ridge CO 80033

Jeremy Pike  
Project Number: [none]  
Project: Dawson A1

SS22@1'

8/3/2022 12:30:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.  
Y208113-09 (Soil)

## GBTEX+TMBs by 8260D

Surrogate: 4-Bromofluorobenzene	106 %	70-130	B2H08 26	08/08/2022	08/11/2022
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## Metals by Saturated Paste by EPA 6010

Calcium	1.48	0.499	meq/L	10	[CALC]	08/05/2022	08/08/2022
Magnesium	ND	0.823	"	"	"	"	"
Sodium	8.28	0.435	"	"	"	"	"

## PAH by 8270D SIM

1-Methylnaphthalene	ND	0.000364	0.00067	mg/Kg	1	L631227	08/10/2022	08/10/2022
2-Methylnaphthalene	ND	0.000645	0.00067	"	"	"	"	"
Acenaphthene	ND	0.000304	0.00067	"	"	"	"	"
Anthracene	ND	0.000334	0.00067	"	"	"	"	"
Benzo(a)anthracene	ND	0.000493	0.00067	"	"	"	"	"
Benzo(a)pyrene	ND	0.000468	0.00067	"	"	"	"	"
Benzo(b)fluoranthene	ND	0.000585	0.00067	"	"	"	"	"
Benzo(k)fluoranthene	ND	0.000437	0.00067	"	"	"	"	"
Chrysene	ND	0.000624	0.00067	"	"	"	"	"
Dibenz(a,h)anthracene	ND	0.000614	0.00067	"	"	"	"	"
Fluoranthene	ND	0.000394	0.00067	"	"	"	"	"
Fluorene	ND	0.000286	0.00067	"	"	"	"	"

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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Ensolum  
11049 W 44th Avenue, Suite 103  
Wheat Ridge CO 80033

Jeremy Pike  
Project Number: [none]  
Project: Dawson A1

SS22@1'

8/3/2022 12:30:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Waypoint Analytical, Inc.**  
Y208113-09 (Soil)

**PAH by 8270D SIM**

Indeno(1,2,3-cd)pyrene	ND	0.000627	0.00067	mg/Kg	1	L631227	08/10/2022	08/10/2022
Naphthalene	ND	0.000484	0.00067	"	"	"	"	"
Pyrene	ND	0.000643	0.00067	"	"	"	"	"

Surrogate: 2-Fluorobiphenyl	44.1 %	33-115	"	"	"
Surrogate: 4-Terphenyl-d14	76 %	33-122	"	"	"
Surrogate: Nitrobenzene-d5	46.2 %	29-110	"	"	"

**pH in Soil by 9045D**

pH	7.79	pH Units	1	B2H0511	08/05/2022	08/06/2022
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**SAR by 20B Saturated Paste**

SAR	8.90	SAR	1	B2H0504	08/05/2022	08/08/2022
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**Specific Conductance Mod. 9050A**

Specific Conductance (EC)	0.891	0.00500	mmhos/cm	1	B2H0511	08/05/2022	08/06/2022
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**Table 915 metals by EPA 6020B**

Arsenic	2.50	0.0889	mg/kg	5	B2H0514	08/05/2022	08/07/2022
Barium	66.5	8.89	"	"	"	"	"

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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Ensolum  
11049 W 44th Avenue, Suite 103  
Wheat Ridge CO 80033

Jeremy Pike  
Project Number: [none]  
Project: Dawson A1

SS22@1'

8/3/2022 12:30:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.  
Y208113-09 (Soil)

## Table 915 metals by EPA 6020B

Cadmium	0.137	0.0889	mg/kg	5	B2H0514	08/05/2022	08/07/2022	
Copper	ND	8.89	"	"	"	"	"	U
Lead	5.12	0.889	"	"	"	"	"	
Nickel	6.31	0.889	"	"	"	"	08/08/2022	
Selenium	0.157	0.0889	"	"	"	"	"	
Silver	ND	0.0889	"	"	"	"	08/07/2022	U
Zinc	ND	88.9	"	"	"	"	"	U

## Total Metals by 7196A

Chromium, Hexavalent	ND	0.502	1.03	mg/Kg	2	L630798	08/03/2022	08/08/2022
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Origins Laboratory, Inc.



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Jen Pellegrini, Project Manager

Ensolum  
11049 W 44th Avenue, Suite 103  
Wheat Ridge CO 80033

Jeremy Pike  
Project Number: [none]  
Project: Dawson A1

SS23@1'

8/3/2022 12:35:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y208113-10 (Soil)**

**Boron (DTPA Sorbitol)**

Boron	0.310	0.100	mg/L	1	B2H0507	08/05/2022	08/08/2022	
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**DRO/ORO by EPA 8015D**

Diesel (C10-C28)	ND	25.0	mg/kg	1	B2H0821	08/08/2022	08/10/2022	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	U

Surrogate: o-Terphenyl	91.7 %	50-150	"	"	"
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**GBTEX+TMBs by 8260D**

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B2H0826	08/08/2022	08/11/2022	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	"	"	U
Benzene	ND	0.00200	"	"	"	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	"	"	U
Toluene	ND	0.00200	"	"	"	"	"	U
Xylenes, total	ND	0.00200	"	"	"	"	"	U
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4	105 %	70-130	"	"	"
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Origins Laboratory, Inc.



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Jen Pellegrini, Project Manager

Ensolum  
11049 W 44th Avenue, Suite 103  
Wheat Ridge CO 80033

Jeremy Pike  
Project Number: [none]  
Project: Dawson A1

SS23@1'

8/3/2022 12:35:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y208113-10 (Soil)**

**GBTEX+TMBs by 8260D**

Surrogate: Toluene-d8	98.3 %	70-130	B2H08 26	08/08/2022	08/11/2022
Surrogate: 4-Bromofluorobenzene	105 %	70-130	"	"	"

**Metals by Saturated Paste by EPA 6010**

Calcium	0.625	0.499	meq/L	10	[CALC]	08/08/2022	08/09/2022
Magnesium	1.27	0.823	"	"	"	"	"
Sodium	8.84	0.435	"	"	"	"	"

**PAH by 8270D SIM**

1-Methylnaphthalene	ND	0.000364	0.00067	mg/Kg	1	L631227	08/10/2022	08/10/2022
2-Methylnaphthalene	ND	0.000645	0.00067	"	"	"	"	"
Acenaphthene	ND	0.000304	0.00067	"	"	"	"	"
Anthracene	ND	0.000334	0.00067	"	"	"	"	"
Benzo(a)anthracene	ND	0.000493	0.00067	"	"	"	"	"
Benzo(a)pyrene	ND	0.000468	0.00067	"	"	"	"	"
Benzo(b)fluoranthene	ND	0.000585	0.00067	"	"	"	"	"
Benzo(k)fluoranthene	ND	0.000437	0.00067	"	"	"	"	"
Chrysene	ND	0.000624	0.00067	"	"	"	"	"
Dibenz(a,h)anthracene	ND	0.000614	0.00067	"	"	"	"	"
Fluoranthene	ND	0.000394	0.00067	"	"	"	"	"

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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Ensolum  
11049 W 44th Avenue, Suite 103  
Wheat Ridge CO 80033

Jeremy Pike  
Project Number: [none]  
Project: Dawson A1

SS23@1'

8/3/2022 12:35:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Waypoint Analytical, Inc.**  
Y208113-10 (Soil)

**PAH by 8270D SIM**

Fluorene	ND	0.000286	0.00067	mg/Kg	1	L631227	08/10/2022	08/10/2022
Indeno(1,2,3-cd)pyrene	ND	0.000627	0.00067	"	"	"	"	"
Naphthalene	ND	0.000484	0.00067	"	"	"	"	"
Pyrene	ND	0.000643	0.00067	"	"	"	"	"

Surrogate: 2-Fluorobiphenyl	44.3 %	33-115	"	"	"
Surrogate: 4-Terphenyl-d14	69.5 %	33-122	"	"	"
Surrogate: Nitrobenzene-d5	44.3 %	29-110	"	"	"

**pH in Soil by 9045D**

pH	8.20	pH Units	1	B2H0511	08/05/2022	08/06/2022
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**SAR by 20B Saturated Paste**

SAR	9.08	SAR	1	B2H0802	08/08/2022	08/09/2022
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**Specific Conductance Mod. 9050A**

Specific Conductance (EC)	0.706	0.00500	mmhos/cm	1	B2H0511	08/05/2022	08/06/2022
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**Table 915 metals by EPA 6020B**

Arsenic	2.34	0.0806	mg/kg	5	B2H0514	08/05/2022	08/07/2022
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Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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Ensolum  
11049 W 44th Avenue, Suite 103  
Wheat Ridge CO 80033

Jeremy Pike  
Project Number: [none]  
Project: Dawson A1

SS23@1'

8/3/2022 12:35:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.  
Y208113-10 (Soil)

## Table 915 metals by EPA 6020B

Barium	62.4	8.06	mg/kg	5	B2H0514	08/05/2022	08/07/2022	
Cadmium	0.172	0.0806	"	"	"	"	"	
Copper	ND	8.06	"	"	"	"	"	U
Lead	5.56	0.806	"	"	"	"	"	
Nickel	5.86	0.806	"	"	"	"	08/08/2022	
Selenium	0.138	0.0806	"	"	"	"	"	
Silver	ND	0.0806	"	"	"	"	08/07/2022	U
Zinc	ND	80.6	"	"	"	"	"	U

## Total Metals by 7196A

Chromium, Hexavalent	ND	1.22	2.5	mg/Kg	5	L630798	08/03/2022	08/08/2022
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Origins Laboratory, Inc.



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Jen Pellegrini, Project Manager



Ensolum  
11049 W 44th Avenue, Suite 103  
Wheat Ridge CO 80033

Jeremy Pike  
Project Number: [none]  
Project: Dawson A1

## SS24@1'

8/3/2022 1:30:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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## Origins Laboratory, Inc. Y208114-01 (Soil)

### Boron (DTPA Sorbitol)

Boron	0.208	0.100	mg/L	1	B2H0507	08/05/2022	08/08/2022	
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### DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B2H0821	08/08/2022	08/10/2022	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	U

Surrogate: o-Terphenyl	107 %	50-150		"	"	"
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### GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B2H0827	08/08/2022	08/09/2022	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	"	"	U
Benzene	ND	0.00200	"	"	"	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	"	"	U
Toluene	ND	0.00200	"	"	"	"	"	U
Xylenes, total	ND	0.00200	"	"	"	"	"	U
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4	117 %	70-130		"	"	"
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Origins Laboratory, Inc.



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Jen Pellegrini, Project Manager

Ensolum  
11049 W 44th Avenue, Suite 103  
Wheat Ridge CO 80033

Jeremy Pike  
Project Number: [none]  
Project: Dawson A1

SS24@1'

8/3/2022 1:30:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.  
Y208114-01 (Soil)

## GBTEX+TMBs by 8260D

Surrogate: Toluene-d8	102 %	70-130	B2H08 27	08/08/2022	08/09/2022
Surrogate: 4-Bromofluorobenzene	97.8 %	70-130	"	"	"

## Metals by Saturated Paste by EPA 6010

Calcium	1.53	0.499	meq/L	10	[CALC]	08/05/2022	08/08/2022
Magnesium	ND	0.823	"	"	"	"	"
Sodium	ND	0.435	"	"	"	"	"

## PAH by 8270D SIM

1-Methylnaphthalene	ND	0.000364	0.00067	mg/Kg	1	L631151	08/09/2022	08/10/2022
2-Methylnaphthalene	ND	0.000645	0.00067	"	"	"	"	"
Acenaphthene	ND	0.000304	0.00067	"	"	"	"	"
Anthracene	ND	0.000334	0.00067	"	"	"	"	"
Benzo(a)anthracene	ND	0.000493	0.00067	"	"	"	"	"
Benzo(a)pyrene	ND	0.000468	0.00067	"	"	"	"	"
Benzo(b)fluoranthene	ND	0.000585	0.00067	"	"	"	"	"
Benzo(k)fluoranthene	ND	0.000437	0.00067	"	"	"	"	"
Chrysene	ND	0.000624	0.00067	"	"	"	"	"
Dibenz(a,h)anthracene	ND	0.000614	0.00067	"	"	"	"	"
Fluoranthene	ND	0.000394	0.00067	"	"	"	"	"

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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Ensolum  
11049 W 44th Avenue, Suite 103  
Wheat Ridge CO 80033

Jeremy Pike  
Project Number: [none]  
Project: Dawson A1

## SS24@1'

8/3/2022 1:30:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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## Waypoint Analytical, Inc. Y208114-01 (Soil)

### PAH by 8270D SIM

Fluorene	ND	0.000286	0.00067	mg/Kg	1	L631151	08/09/2022	08/10/2022
Indeno(1,2,3-cd)pyrene	ND	0.000627	0.00067	"	"	"	"	"
Naphthalene	ND	0.000484	0.00067	"	"	"	"	"
Pyrene	ND	0.000643	0.00067	"	"	"	"	"

Surrogate: 2-Fluorobiphenyl	55 %	33-115	"	"	"
Surrogate: 4-Terphenyl-d14	59.6 %	33-122	"	"	"
Surrogate: Nitrobenzene-d5	53.8 %	29-110	"	"	"

### pH in Soil by 9045D

pH	8.33	pH Units	1	B2H0511	08/05/2022	08/06/2022
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### SAR by 20B Saturated Paste

SAR	0.420	SAR	1	B2H0504	08/05/2022	08/08/2022
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### Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.217	0.00500	mmhos/cm	1	B2H0511	08/05/2022	08/06/2022
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### Table 915 metals by EPA 6020B

Arsenic	2.46	0.0850	mg/kg	5	B2H0514	08/05/2022	08/07/2022
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Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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Ensolum  
11049 W 44th Avenue, Suite 103  
Wheat Ridge CO 80033

Jeremy Pike  
Project Number: [none]  
Project: Dawson A1

SS24@1'

8/3/2022 1:30:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.  
Y208114-01 (Soil)

## Table 915 metals by EPA 6020B

Barium	66.0	8.50	mg/kg	5	B2H0514	08/05/2022	08/07/2022	
Cadmium	0.142	0.0850	"	"	"	"	"	
Copper	ND	8.50	"	"	"	"	"	U
Lead	5.45	0.850	"	"	"	"	"	
Nickel	6.66	0.850	"	"	"	"	08/08/2022	
Selenium	0.179	0.0850	"	"	"	"	"	
Silver	ND	0.0850	"	"	"	"	08/07/2022	U
Zinc	ND	85.0	"	"	"	"	"	U

## Total Metals by 7196 A

Chromium, Hexavalent	ND	2.52	5.17	mg/Kg	10	L630796	08/03/2022	08/08/2022
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Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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Ensolum  
11049 W 44th Avenue, Suite 103  
Wheat Ridge CO 80033

Jeremy Pike  
Project Number: [none]  
Project: Dawson A1

SS25@1'

8/3/2022 1:35:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y208114-02 (Soil)**

**Boron (DTPA Sorbitol)**

Boron	0.325	0.0993	mg/L	1	B2H0507	08/05/2022	08/08/2022	
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**DRO/ORO by EPA 8015D**

Diesel (C10-C28)	ND	25.0	mg/kg	1	B2H0821	08/08/2022	08/10/2022	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	U

Surrogate: o-Terphenyl	116 %	50-150			"	"	"
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**GBTEX+TMBs by 8260D**

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B2H0827	08/08/2022	08/09/2022	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	"	"	U
Benzene	ND	0.00200	"	"	"	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	"	"	U
Toluene	ND	0.00200	"	"	"	"	"	U
Xylenes, total	ND	0.00200	"	"	"	"	"	U
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4	111 %	70-130			"	"	"
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Origins Laboratory, Inc.



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Jen Pellegrini, Project Manager

Ensolum  
11049 W 44th Avenue, Suite 103  
Wheat Ridge CO 80033

Jeremy Pike  
Project Number: [none]  
Project: Dawson A1

SS25@1'

8/3/2022 1:35:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.  
Y208114-02 (Soil)

## GBTEX+TMBs by 8260D

Surrogate: Toluene-d8	106 %	70-130	B2H08 27	08/08/2022	08/09/2022
Surrogate: 4-Bromofluorobenzene	102 %	70-130	"	"	"

## Metals by Saturated Paste by EPA 6010

Calcium	1.61	0.499	meq/L	10	[CALC]	08/05/2022	08/08/2022
Magnesium	ND	0.823	"	"	"	"	"
Sodium	ND	0.435	"	"	"	"	"

## PAH by 8270D SIM

1-Methylnaphthalene	ND	0.000364	0.00067	mg/Kg	1	L631151	08/09/2022	08/10/2022
2-Methylnaphthalene	ND	0.000645	0.00067	"	"	"	"	"
Acenaphthene	ND	0.000304	0.00067	"	"	"	"	"
Anthracene	ND	0.000334	0.00067	"	"	"	"	"
Benzo(a)anthracene	ND	0.000493	0.00067	"	"	"	"	"
Benzo(a)pyrene	ND	0.000468	0.00067	"	"	"	"	"
Benzo(b)fluoranthene	ND	0.000585	0.00067	"	"	"	"	"
Benzo(k)fluoranthene	ND	0.000437	0.00067	"	"	"	"	"
Chrysene	ND	0.000624	0.00067	"	"	"	"	"
Dibenz(a,h)anthracene	ND	0.000614	0.00067	"	"	"	"	"
Fluoranthene	ND	0.000394	0.00067	"	"	"	"	"

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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Ensolum  
11049 W 44th Avenue, Suite 103  
Wheat Ridge CO 80033

Jeremy Pike  
Project Number: [none]  
Project: Dawson A1

## SS25@1'

8/3/2022 1:35:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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## Waypoint Analytical, Inc. Y208114-02 (Soil)

### PAH by 8270D SIM

Fluorene	ND	0.000286	0.00067	mg/Kg	1	L631151	08/09/2022	08/10/2022
Indeno(1,2,3-cd)pyrene	ND	0.000627	0.00067	"	"	"	"	"
Naphthalene	ND	0.000484	0.00067	"	"	"	"	"
Pyrene	ND	0.000643	0.00067	"	"	"	"	"

Surrogate: 2-Fluorobiphenyl	55.1 %	33-115	"	"	"
Surrogate: 4-Terphenyl-d14	69.2 %	33-122	"	"	"
Surrogate: Nitrobenzene-d5	57.5 %	29-110	"	"	"

### pH in Soil by 9045D

pH	8.43	pH Units	1	B2H0511	08/05/2022	08/06/2022
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### SAR by 20B Saturated Paste

SAR	0.359	SAR	1	B2H0504	08/05/2022	08/08/2022
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### Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.246	0.00500	mmhos/cm	1	B2H0511	08/05/2022	08/06/2022
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### Table 915 metals by EPA 6020B

Arsenic	2.07	0.0933	mg/kg	5	B2H0514	08/05/2022	08/07/2022
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Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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Ensolum  
11049 W 44th Avenue, Suite 103  
Wheat Ridge CO 80033

Jeremy Pike  
Project Number: [none]  
Project: Dawson A1

SS25@1'

8/3/2022 1:35:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.  
Y208114-02 (Soil)

## Table 915 metals by EPA 6020B

Barium	55.5	9.33	mg/kg	5	B2H0514	08/05/2022	08/07/2022	
Cadmium	0.127	0.0933	"	"	"	"	"	
Copper	ND	9.33	"	"	"	"	"	U
Lead	5.73	0.933	"	"	"	"	"	
Nickel	4.82	0.933	"	"	"	"	08/08/2022	
Selenium	ND	0.0933	"	"	"	"	"	U
Silver	ND	0.0933	"	"	"	"	08/07/2022	U
Zinc	ND	93.3	"	"	"	"	"	U

## Total Metals by 7196A

Chromium, Hexavalent	ND	0.488	1	mg/Kg	2	L630797	08/03/2022	08/08/2022
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Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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Ensolum  
11049 W 44th Avenue, Suite 103  
Wheat Ridge CO 80033

Jeremy Pike  
Project Number: [none]  
Project: Dawson A1

SS26@1'

8/3/2022 1:40:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y208114-03 (Soil)**

**Boron (DTPA Sorbitol)**

Boron	0.140	0.100	mg/L	1	B2H0507	08/05/2022	08/08/2022	
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**DRO/ORO by EPA 8015D**

Diesel (C10-C28)	ND	25.0	mg/kg	1	B2H0821	08/08/2022	08/10/2022	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	U

Surrogate: o-Terphenyl	85.8 %	50-150			"	"	"
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**GBTEX+TMBs by 8260D**

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B2H0827	08/08/2022	08/09/2022	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	"	"	U
Benzene	ND	0.00200	"	"	"	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	"	"	U
Toluene	ND	0.00200	"	"	"	"	"	U
Xylenes, total	ND	0.00200	"	"	"	"	"	U
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4	113 %	70-130			"	"	"
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Origins Laboratory, Inc.



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Jen Pellegrini, Project Manager

Ensolum  
11049 W 44th Avenue, Suite 103  
Wheat Ridge CO 80033

Jeremy Pike  
Project Number: [none]  
Project: Dawson A1

SS26@1'

8/3/2022 1:40:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.  
Y208114-03 (Soil)

## GBTEX+TMBs by 8260D

Surrogate: Toluene-d8	111 %	70-130	B2H08 27	08/08/2022	08/09/2022
Surrogate: 4-Bromofluorobenzene	102 %	70-130	"	"	"

## Metals by Saturated Paste by EPA 6010

Calcium	1.61	0.499	meq/L	10	[CALC]	08/05/2022	08/08/2022
Magnesium	ND	0.823	"	"	"	"	"
Sodium	0.523	0.435	"	"	"	"	"

## PAH by 8270D SIM

1-Methylnaphthalene	ND	0.00182	0.00335	mg/Kg	5	L631151	08/09/2022	08/10/2022
2-Methylnaphthalene	ND	0.00323	0.00335	"	"	"	"	"
Acenaphthene	ND	0.00152	0.00335	"	"	"	"	"
Anthracene	ND	0.00167	0.00335	"	"	"	"	"
Benzo(a)anthracene	ND	0.00247	0.00335	"	"	"	"	"
Benzo(a)pyrene	ND	0.00234	0.00335	"	"	"	"	"
Benzo(b)fluoranthene	ND	0.00293	0.00335	"	"	"	"	"
Benzo(k)fluoranthene	ND	0.00219	0.00335	"	"	"	"	"
Chrysene	ND	0.00312	0.00335	"	"	"	"	"
Dibenz(a,h)anthracene	ND	0.00307	0.00335	"	"	"	"	"
Fluoranthene	ND	0.00197	0.00335	"	"	"	"	"

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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Ensolum  
11049 W 44th Avenue, Suite 103  
Wheat Ridge CO 80033

Jeremy Pike  
Project Number: [none]  
Project: Dawson A1

SS26@1'

8/3/2022 1:40:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, Inc.  
Y208114-03 (Soil)

## PAH by 8270D SIM

Fluorene	ND	0.00143	0.00335	mg/Kg	5	L631151	08/09/2022	08/10/2022
Indeno(1,2,3-cd)pyrene	ND	0.00314	0.00335	"	"	"	"	"
Naphthalene	ND	0.00242	0.00335	"	"	"	"	"
Pyrene	ND	0.00322	0.00335	"	"	"	"	"

Surrogate: 2-Fluorobiphenyl	54.4 %	33-115	"	"	"
Surrogate: 4-Terphenyl-d14	61 %	33-122	"	"	"
Surrogate: Nitrobenzene-d5	53.8 %	29-110	"	"	"

## pH in Soil by 9045D

pH	8.15	pH Units	1	B2H0511	08/05/2022	08/06/2022
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## SAR by 20B Saturated Paste

SAR	0.547	SAR	1	B2H0504	08/05/2022	08/08/2022
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## Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.250	0.00500	mmhos/cm	1	B2H0511	08/05/2022	08/06/2022
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## Table 915 metals by EPA 6020B

Arsenic	2.13	0.0929	mg/kg	5	B2H0514	08/05/2022	08/07/2022
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Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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Ensolum  
11049 W 44th Avenue, Suite 103  
Wheat Ridge CO 80033

Jeremy Pike  
Project Number: [none]  
Project: Dawson A1

SS26@1'

8/3/2022 1:40:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.  
Y208114-03 (Soil)

## Table 915 metals by EPA 6020B

Barium	59.1	9.29	mg/kg	5	B2H0514	08/05/2022	08/07/2022	
Cadmium	0.176	0.0929	"	"	"	"	"	
Copper	ND	9.29	"	"	"	"	"	U
Lead	5.15	0.929	"	"	"	"	"	
Nickel	6.39	0.929	"	"	"	"	08/08/2022	
Selenium	0.128	0.0929	"	"	"	"	"	
Silver	ND	0.0929	"	"	"	"	08/07/2022	U
Zinc	ND	92.9	"	"	"	"	"	U

## Total Metals by 7196A

Chromium, Hexavalent	ND	1.22	2.5	mg/Kg	5	L630797	08/03/2022	08/08/2022
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Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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Ensolum  
11049 W 44th Avenue, Suite 103  
Wheat Ridge CO 80033

Jeremy Pike  
Project Number: [none]  
Project: Dawson A1

SS27@1'

8/3/2022 1:45:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y208114-04 (Soil)**

**Boron (DTPA Sorbitol)**

Boron	0.131	0.0997	mg/L	1	B2H0507	08/05/2022	08/08/2022	
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**DRO/ORO by EPA 8015D**

Diesel (C10-C28)	ND	25.0	mg/kg	1	B2H0821	08/08/2022	08/10/2022	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	U

Surrogate: o-Terphenyl	96.7 %	50-150			"	"	"
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**GBTEX+TMBs by 8260D**

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B2H0827	08/08/2022	08/09/2022	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	"	"	U
Benzene	ND	0.00200	"	"	"	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	"	"	U
Toluene	ND	0.00200	"	"	"	"	"	U
Xylenes, total	ND	0.00200	"	"	"	"	"	U
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4	117 %	70-130			"	"	"
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Origins Laboratory, Inc.



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Jen Pellegrini, Project Manager

Ensolum  
11049 W 44th Avenue, Suite 103  
Wheat Ridge CO 80033

Jeremy Pike  
Project Number: [none]  
Project: Dawson A1

SS27@1'

8/3/2022 1:45:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y208114-04 (Soil)**

**GBTEX+TMBs by 8260D**

Surrogate: Toluene-d8	106 %	70-130	B2H08 27	08/08/2022	08/09/2022
Surrogate: 4-Bromofluorobenzene	99.0 %	70-130	"	"	"

**Metals by Saturated Paste by EPA 6010**

Calcium	0.942	0.499	meq/L	10	[CALC]	08/05/2022	08/08/2022
Magnesium	ND	0.823	"	"	"	"	"
Sodium	0.448	0.435	"	"	"	"	"

**PAH by 8270D SIM**

1-Methylnaphthalene	ND	0.000364	0.00067	mg/Kg	1	L631151	08/09/2022	08/10/2022
2-Methylnaphthalene	ND	0.000645	0.00067	"	"	"	"	"
Acenaphthene	ND	0.000304	0.00067	"	"	"	"	"
Anthracene	ND	0.000334	0.00067	"	"	"	"	"
Benzo(a)anthracene	ND	0.000493	0.00067	"	"	"	"	"
Benzo(a)pyrene	ND	0.000468	0.00067	"	"	"	"	"
Benzo(b)fluoranthene	ND	0.000585	0.00067	"	"	"	"	"
Benzo(k)fluoranthene	ND	0.000437	0.00067	"	"	"	"	"
Chrysene	0.00104	0.000624	0.00067	"	"	"	"	"
Dibenz(a,h)anthracene	ND	0.000614	0.00067	"	"	"	"	"
Fluoranthene	ND	0.000394	0.00067	"	"	"	"	"

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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Ensolum  
11049 W 44th Avenue, Suite 103  
Wheat Ridge CO 80033

Jeremy Pike  
Project Number: [none]  
Project: Dawson A1

SS27@1'

8/3/2022 1:45:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Waypoint Analytical, Inc.**  
**Y208114-04 (Soil)**

**PAH by 8270D SIM**

Fluorene	ND	0.000286	0.00067	mg/Kg	1	L631151	08/09/2022	08/10/2022
Indeno(1,2,3-cd)pyrene	ND	0.000627	0.00067	"	"	"	"	"
Naphthalene	ND	0.000484	0.00067	"	"	"	"	"
Pyrene	ND	0.000643	0.00067	"	"	"	"	"

Surrogate: 2-Fluorobiphenyl	54.5 %	33-115	"	"	"
Surrogate: 4-Terphenyl-d14	65.5 %	33-122	"	"	"
Surrogate: Nitrobenzene-d5	55.1 %	29-110	"	"	"

**pH in Soil by 9045D**

pH	8.13	pH Units	1	B2H0511	08/05/2022	08/06/2022
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**SAR by 20B Saturated Paste**

SAR	0.596	SAR	1	B2H0504	08/05/2022	08/08/2022
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**Specific Conductance Mod. 9050A**

Specific Conductance (EC)	0.203	0.00500	mmhos/cm	1	B2H0511	08/05/2022	08/06/2022
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**Table 915 metals by EPA 6020B**

Arsenic	2.42	0.0766	mg/kg	5	B2H0514	08/05/2022	08/07/2022
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Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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Ensolum  
11049 W 44th Avenue, Suite 103  
Wheat Ridge CO 80033

Jeremy Pike  
Project Number: [none]  
Project: Dawson A1

SS27@1'

8/3/2022 1:45:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.  
Y208114-04 (Soil)

## Table 915 metals by EPA 6020B

Barium	65.4	7.66	mg/kg	5	B2H0514	08/05/2022	08/07/2022	
Cadmium	0.200	0.0766	"	"	"	"	"	
Copper	ND	7.66	"	"	"	"	"	U
Lead	5.81	0.766	"	"	"	"	"	
Nickel	6.66	0.766	"	"	"	"	08/08/2022	
Selenium	ND	0.0766	"	"	"	"	"	U
Silver	ND	0.0766	"	"	"	"	08/07/2022	U
Zinc	ND	76.6	"	"	"	"	"	U

## Total Metals by 7196A

Chromium, Hexavalent	ND	1.22	2.5	mg/Kg	5	L630797	08/03/2022	08/08/2022
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Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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Ensolum  
11049 W 44th Avenue, Suite 103  
Wheat Ridge CO 80033

Jeremy Pike  
Project Number: [none]  
Project: Dawson A1

SS28@1'

8/3/2022 1:50:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.  
Y208114-05 (Soil)

## Boron (DTPA Sorbitol)

Boron	ND	0.100	mg/L	1	B2H0805	08/08/2022	08/09/2022	U
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## DRO/ORO by EPA 8015D

Diesel (C10-C28)	190	25.0	mg/kg	1	B2H0821	08/08/2022	08/10/2022	
Residual Range Organics (C28-C40)	372	100	"	"	"	"	"	

Surrogate: o-Terphenyl	106 %	50-150			"	"	"	
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## GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B2H0827	08/08/2022	08/09/2022	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	"	"	U
Benzene	ND	0.00200	"	"	"	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	"	"	U
Toluene	ND	0.00200	"	"	"	"	"	U
Xylenes, total	ND	0.00200	"	"	"	"	"	U
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4	118 %	70-130			"	"	"	
Surrogate: Toluene-d8	106 %	70-130			"	"	"	

Origins Laboratory, Inc.



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Jen Pellegrini, Project Manager

Ensolum  
11049 W 44th Avenue, Suite 103  
Wheat Ridge CO 80033

Jeremy Pike  
Project Number: [none]  
Project: Dawson A1

SS28@1'

8/3/2022 1:50:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.  
Y208114-05 (Soil)

## GBTEX+TMBs by 8260D

Surrogate: 4-Bromofluorobenzene	105 %	70-130	B2H08 27	08/08/2022	08/09/2022
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## Metals by Saturated Paste by EPA 6010

Calcium	ND	0.499	meq/L	10	[CALC]	08/08/2022	08/09/2022
Magnesium	ND	0.823	"	"	"	"	"
Sodium	1.83	0.435	"	"	"	"	"

## PAH by 8270D SIM

1-Methylnaphthalene	0.00636	0.00364	0.0067	mg/Kg	10	L631151	08/09/2022	08/10/2022	J
2-Methylnaphthalene	0.0145	0.00645	0.0067	"	"	"	"	"	
Acenaphthene	0.00733	0.00304	0.0067	"	"	"	"	"	
Anthracene	0.00352	0.00334	0.0067	"	"	"	"	"	J
Benzo(a)anthracene	0.0603	0.00493	0.0067	"	"	"	"	"	
Benzo(a)pyrene	ND	0.00468	0.0067	"	"	"	"	"	
Benzo(b)fluoranthene	0.0378	0.00585	0.0067	"	"	"	"	"	
Benzo(k)fluoranthene	ND	0.00437	0.0067	"	"	"	"	"	
Chrysene	0.334	0.00624	0.0067	"	"	"	"	"	
Dibenz(a,h)anthracene	0.00927	0.00614	0.0067	"	"	"	"	"	
Fluoranthene	0.037	0.00394	0.0067	"	"	"	"	"	
Fluorene	0.0443	0.00286	0.0067	"	"	"	"	"	
Indeno(1,2,3-cd)pyrene	ND	0.00627	0.0067	"	"	"	"	"	

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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Ensolum  
11049 W 44th Avenue, Suite 103  
Wheat Ridge CO 80033

Jeremy Pike  
Project Number: [none]  
Project: Dawson A1

SS28@1'

8/3/2022 1:50:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, Inc.  
Y208114-05 (Soil)

## PAH by 8270D SIM

Naphthalene	0.00917	0.00484	0.0067	mg/Kg	10	L631151	08/09/2022	08/10/2022	
Pyrene	0.183	0.00643	0.0067	"	"	"	"	"	

Surrogate: 2-Fluorobiphenyl	67 %	33-115	"	"	"
Surrogate: 4-Terphenyl-d14	67 %	33-122	"	"	"
Surrogate: Nitrobenzene-d5	65.8 %	29-110	"	"	"

## pH in Soil by 9045D

pH	7.21	pH Units	1	B2H0511	08/05/2022	08/06/2022
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## SAR by 20B Saturated Paste

SAR	3.68	SAR	1	B2H0802	08/08/2022	08/09/2022
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## Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.175	0.00500	mmhos/cm	1	B2H0511	08/05/2022	08/06/2022
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## Table 915 metals by EPA 6020B

Arsenic	2.16	0.0722	mg/kg	5	B2H0514	08/05/2022	08/07/2022
Barium	65.1	7.22	"	"	"	"	"
Cadmium	0.184	0.0722	"	"	"	"	"

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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Ensolum  
11049 W 44th Avenue, Suite 103  
Wheat Ridge CO 80033

Jeremy Pike  
Project Number: [none]  
Project: Dawson A1

SS28@1'

8/3/2022 1:50:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.  
Y208114-05 (Soil)

## Table 915 metals by EPA 6020B

Copper	ND	7.22	mg/kg	5	B2H0514	08/05/2022	08/07/2022	U
Lead	5.86	0.722	"	"	"	"	"	
Nickel	8.84	0.722	"	"	"	"	08/08/2022	
Selenium	0.173	0.0722	"	"	"	"	"	
Silver	ND	0.0722	"	"	"	"	08/07/2022	U
Zinc	ND	72.2	"	"	"	"	"	U

## Total Metals by 7196A

Chromium, Hexavalent	ND	1.22	2.5	mg/Kg	5	L630797	08/03/2022	08/08/2022
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Origins Laboratory, Inc.



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Jen Pellegrini, Project Manager

Ensolum  
11049 W 44th Avenue, Suite 103  
Wheat Ridge CO 80033

Jeremy Pike  
Project Number: [none]  
Project: Dawson A1

SS29@1'

8/3/2022 1:55:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y208114-06 (Soil)**

**Boron (DTPA Sorbitol)**

Boron	0.170	0.100	mg/L	1	B2H0805	08/08/2022	08/09/2022
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**DRO/ORO by EPA 8015D**

Diesel (C10-C28)	1320	25.0	mg/kg	1	B2H0821	08/08/2022	08/10/2022
Residual Range Organics (C28-C40)	2010	100	"	"	"	"	"

Surrogate: o-Terphenyl	123 %	50-150	"	"	"
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**GBTEX+TMBs by 8260D**

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B2H0827	08/08/2022	08/09/2022	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	"	"	U
Benzene	ND	0.00200	"	"	"	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	"	"	U
Toluene	ND	0.00200	"	"	"	"	"	U
Xylenes, total	ND	0.00200	"	"	"	"	"	U
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4	120 %	70-130	"	"	"
Surrogate: Toluene-d8	112 %	70-130	"	"	"

Origins Laboratory, Inc.



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Jen Pellegrini, Project Manager

Ensolum  
11049 W 44th Avenue, Suite 103  
Wheat Ridge CO 80033

Jeremy Pike  
Project Number: [none]  
Project: Dawson A1

SS29@1'

8/3/2022 1:55:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.  
Y208114-06 (Soil)

## GBTEX+TMBs by 8260D

Surrogate: 4-Bromofluorobenzene	123 %	70-130	B2H08 27	08/08/2022	08/09/2022
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## Metals by Saturated Paste by EPA 6010

Calcium	2.68	0.499	meq/L	10	[CALC]	08/05/2022	08/08/2022
Magnesium	ND	0.823	"	"	"	"	"
Sodium	1.16	0.435	"	"	"	"	"

## PAH by 8270D SIM

1-Methylnaphthalene	ND	0.000364	0.00067	mg/Kg	1	L631151	08/09/2022	08/10/2022
2-Methylnaphthalene	ND	0.000645	0.00067	"	"	"	"	"
Acenaphthene	ND	0.000304	0.00067	"	"	"	"	"
Anthracene	ND	0.000334	0.00067	"	"	"	"	"
Benzo(a)anthracene	ND	0.000493	0.00067	"	"	"	"	"
Benzo(a)pyrene	ND	0.000468	0.00067	"	"	"	"	"
Benzo(b)fluoranthene	ND	0.000585	0.00067	"	"	"	"	"
Benzo(k)fluoranthene	ND	0.000437	0.00067	"	"	"	"	"
Chrysene	0.00115	0.000624	0.00067	"	"	"	"	"
Dibenz(a,h)anthracene	ND	0.000614	0.00067	"	"	"	"	"
Fluoranthene	ND	0.000394	0.00067	"	"	"	"	"
Fluorene	ND	0.000286	0.00067	"	"	"	"	"

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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Ensolum  
11049 W 44th Avenue, Suite 103  
Wheat Ridge CO 80033

Jeremy Pike  
Project Number: [none]  
Project: Dawson A1

SS29@1'

8/3/2022 1:55:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Waypoint Analytical, Inc.**  
Y208114-06 (Soil)

**PAH by 8270D SIM**

Indeno(1,2,3-cd)pyrene	ND	0.000627	0.00067	mg/Kg	1	L631151	08/09/2022	08/10/2022
Naphthalene	ND	0.000484	0.00067	"	"	"	"	"
Pyrene	ND	0.000643	0.00067	"	"	"	"	"

Surrogate: 2-Fluorobiphenyl	59.5 %		33-115			"	"	"
Surrogate: 4-Terphenyl-d14	65.2 %		33-122			"	"	"
Surrogate: Nitrobenzene-d5	56.5 %		29-110			"	"	"

**pH in Soil by 9045D**

pH	8.03			pH Units	1	B2H0511	08/05/2022	08/06/2022
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**SAR by 20B Saturated Paste**

SAR	0.934			SAR	1	B2H0504	08/05/2022	08/08/2022
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**Specific Conductance Mod. 9050A**

Specific Conductance (EC)	0.437		0.00500	mmhos/cm	1	B2H0511	08/05/2022	08/06/2022
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**Table 915 metals by EPA 6020B**

Arsenic	2.41		0.0814	mg/kg	5	B2H0514	08/05/2022	08/07/2022
Barium	89.7		8.14	"	"	"	"	"

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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Ensolum  
11049 W 44th Avenue, Suite 103  
Wheat Ridge CO 80033

Jeremy Pike  
Project Number: [none]  
Project: Dawson A1

SS29@1'

8/3/2022 1:55:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.  
Y208114-06 (Soil)

## Table 915 metals by EPA 6020B

Cadmium	0.279		0.0814	mg/kg	5	B2H0514	08/05/2022	08/07/2022	
Copper	ND		8.14	"	"	"	"	"	U
Lead	8.98		0.814	"	"	"	"	"	
Nickel	6.97		0.814	"	"	"	"	08/08/2022	
Selenium	0.134		0.0814	"	"	"	"	"	
Silver	ND		0.0814	"	"	"	"	08/07/2022	U
Zinc	ND		81.4	"	"	"	"	"	U

## Total Metals by 7196A

Chromium, Hexavalent	ND	1.27	2.6	mg/Kg	5	L630797	08/03/2022	08/08/2022	
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Origins Laboratory, Inc.



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Jen Pellegrini, Project Manager



Ensolum  
11049 W 44th Avenue, Suite 103  
Wheat Ridge CO 80033

Jeremy Pike  
Project Number: [none]  
Project: Dawson A1

SS30@1'

8/3/2022 2:00:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y208114-07 (Soil)**

**Boron (DTPA Sorbitol)**

Boron	0.156	0.0998	mg/L	1	B2H0805	08/08/2022	08/09/2022
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**DRO/ORO by EPA 8015D**

Diesel (C10-C28)	25.9	25.0	mg/kg	1	B2H0821	08/08/2022	08/10/2022
Residual Range Organics (C28-C40)	260	100	"	"	"	"	"

Surrogate: o-Terphenyl	101 %	50-150	"	"	"
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**GBTEX+TMBs by 8260D**

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B2H0827	08/08/2022	08/09/2022	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	"	"	U
Benzene	ND	0.00200	"	"	"	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	"	"	U
Toluene	ND	0.00200	"	"	"	"	"	U
Xylenes, total	ND	0.00200	"	"	"	"	"	U
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4	118 %	70-130	"	"	"
Surrogate: Toluene-d8	110 %	70-130	"	"	"

Origins Laboratory, Inc.



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Jen Pellegrini, Project Manager

Ensolum  
11049 W 44th Avenue, Suite 103  
Wheat Ridge CO 80033

Jeremy Pike  
Project Number: [none]  
Project: Dawson A1

SS30@1'

8/3/2022 2:00:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.  
Y208114-07 (Soil)

## GBTEX+TMBs by 8260D

Surrogate: 4-Bromofluorobenzene	95.6 %	70-130	B2H08 27	08/08/2022	08/09/2022
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## Metals by Saturated Paste by EPA 6010

Calcium	1.56	0.499	meq/L	10	[CALC]	08/05/2022	08/08/2022
Magnesium	ND	0.823	"	"	"	"	"
Sodium	ND	0.435	"	"	"	"	"

## PAH by 8270D SIM

1-Methylnaphthalene	ND	0.000364	0.00067	mg/Kg	1	L631151	08/09/2022	08/10/2022
2-Methylnaphthalene	ND	0.000645	0.00067	"	"	"	"	"
Acenaphthene	ND	0.000304	0.00067	"	"	"	"	"
Anthracene	ND	0.000334	0.00067	"	"	"	"	"
Benzo(a)anthracene	ND	0.000493	0.00067	"	"	"	"	"
Benzo(a)pyrene	ND	0.000468	0.00067	"	"	"	"	"
Benzo(b)fluoranthene	ND	0.000585	0.00067	"	"	"	"	"
Benzo(k)fluoranthene	ND	0.000437	0.00067	"	"	"	"	"
Chrysene	ND	0.000624	0.00067	"	"	"	"	"
Dibenz(a,h)anthracene	ND	0.000614	0.00067	"	"	"	"	"
Fluoranthene	ND	0.000394	0.00067	"	"	"	"	"
Fluorene	ND	0.000286	0.00067	"	"	"	"	"

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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Ensolum  
11049 W 44th Avenue, Suite 103  
Wheat Ridge CO 80033

Jeremy Pike  
Project Number: [none]  
Project: Dawson A1

SS30@1'

8/3/2022 2:00:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Waypoint Analytical, Inc.**  
Y208114-07 (Soil)

**PAH by 8270D SIM**

Indeno(1,2,3-cd)pyrene	ND	0.000627	0.00067	mg/Kg	1	L631151	08/09/2022	08/10/2022
Naphthalene	ND	0.000484	0.00067	"	"	"	"	"
Pyrene	ND	0.000643	0.00067	"	"	"	"	"

Surrogate: 2-Fluorobiphenyl	57.8 %	33-115	"	"	"
Surrogate: 4-Terphenyl-d14	59.7 %	33-122	"	"	"
Surrogate: Nitrobenzene-d5	52.9 %	29-110	"	"	"

**pH in Soil by 9045D**

pH	8.14	pH Units	1	B2H0511	08/05/2022	08/06/2022
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**SAR by 20B Saturated Paste**

SAR	0.234	SAR	1	B2H0504	08/05/2022	08/08/2022
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**Specific Conductance Mod. 9050A**

Specific Conductance (EC)	0.244	0.00500	mmhos/cm	1	B2H0511	08/05/2022	08/06/2022
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**Table 915 metals by EPA 6020B**

Arsenic	2.53	0.0728	mg/kg	5	B2H0514	08/05/2022	08/07/2022
Barium	76.9	7.28	"	"	"	"	"

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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Ensolum  
11049 W 44th Avenue, Suite 103  
Wheat Ridge CO 80033

Jeremy Pike  
Project Number: [none]  
Project: Dawson A1

SS30@1'

8/3/2022 2:00:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.  
Y208114-07 (Soil)

## Table 915 metals by EPA 6020B

Cadmium	0.207	0.0728	mg/kg	5	B2H0514	08/05/2022	08/07/2022	
Copper	ND	7.28	"	"	"	"	"	U
Lead	6.38	0.728	"	"	"	"	"	
Nickel	7.57	0.728	"	"	"	"	08/08/2022	
Selenium	0.132	0.0728	"	"	"	"	"	
Silver	ND	0.0728	"	"	"	"	08/07/2022	U
Zinc	ND	72.8	"	"	"	"	"	U

## Total Metals by 7196A

Chromium, Hexavalent	ND	2.52	5.16	mg/Kg	10	L630797	08/03/2022	08/08/2022
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Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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Ensolum  
11049 W 44th Avenue, Suite 103  
Wheat Ridge CO 80033

Jeremy Pike  
Project Number: [none]  
Project: Dawson A1

SS31@7'

8/3/2022 2:05:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y208114-08 (Soil)**

**Boron (DTPA Sorbitol)**

Boron	0.291	0.100	mg/L	1	B2H0805	08/08/2022	08/09/2022	
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**DRO/ORO by EPA 8015D**

Diesel (C10-C28)	ND	25.0	mg/kg	1	B2H0821	08/08/2022	08/10/2022	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	U

Surrogate: o-Terphenyl	83.3 %	50-150	"	"	08/10/2022
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**GBTEX+TMBs by 8260D**

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B2H0827	08/08/2022	08/09/2022	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	"	"	U
Benzene	ND	0.00200	"	"	"	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	"	"	U
Toluene	ND	0.00200	"	"	"	"	"	U
Xylenes, total	ND	0.00200	"	"	"	"	"	U
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4	117 %	70-130	"	"	"
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Origins Laboratory, Inc.



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Jen Pellegrini, Project Manager

Ensolum  
11049 W 44th Avenue, Suite 103  
Wheat Ridge CO 80033

Jeremy Pike  
Project Number: [none]  
Project: Dawson A1

SS31@7'

8/3/2022 2:05:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.  
Y208114-08 (Soil)

## GBTEX+TMBs by 8260D

Surrogate: Toluene-d8	106 %	70-130	B2H08 27	08/08/2022	08/09/2022
Surrogate: 4-Bromofluorobenzene	99.8 %	70-130	"	"	"

## Metals by Saturated Paste by EPA 6010

Calcium	2.46	0.499	meq/L	10	[CALC]	08/05/2022	08/08/2022
Magnesium	ND	0.823	"	"	"	"	"
Sodium	0.940	0.435	"	"	"	"	"

## PAH by 8270- SIM

1-Methylnaphthalene	ND	0.00182	0.00335	mg/Kg	5	L631227	08/10/2022	08/10/2022
2-Methylnaphthalene	ND	0.00323	0.00335	"	"	"	"	"
Acenaphthene	ND	0.00152	0.00335	"	"	"	"	"
Anthracene	ND	0.00167	0.00335	"	"	"	"	"
Benzo(a)anthracene	ND	0.00247	0.00335	"	"	"	"	"
Benzo(a)pyrene	0.00338	0.00234	0.00335	"	"	"	"	"
Benzo(b)fluoranthene	ND	0.00293	0.00335	"	"	"	"	"
Benzo(k)fluoranthene	ND	0.00219	0.00335	"	"	"	"	"
Chrysene	ND	0.00312	0.00335	"	"	"	"	"
Dibenz(a,h)anthracene	ND	0.00307	0.00335	"	"	"	"	"
Fluoranthene	ND	0.00197	0.00335	"	"	"	"	"

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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Ensolum  
11049 W 44th Avenue, Suite 103  
Wheat Ridge CO 80033

Jeremy Pike  
Project Number: [none]  
Project: Dawson A1

SS31@7'

8/3/2022 2:05:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Waypoint Analytical, Inc.**  
**Y208114-08 (Soil)**

**PAH by 8270- SIM**

Fluorene	ND	0.00143	0.00335	mg/Kg	5	L631227	08/10/2022	08/10/2022
Indeno(1,2,3-cd)pyrene	ND	0.00314	0.00335	"	"	"	"	"
Naphthalene	ND	0.00242	0.00335	"	"	"	"	"
Pyrene	ND	0.00322	0.00335	"	"	"	"	"

Surrogate: 2-Fluorobiphenyl	38.1 %		33-115			"	"	"
Surrogate: 4-Terphenyl-d14	49.8 %		33-122			"	"	"
Surrogate: Nitrobenzene-d5	33.8 %		29-110			"	"	"

**pH in Soil by 9045D**

pH	7.43			pH Units	1	B2H0511	08/05/2022	08/06/2022
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**SAR by 20B Saturated Paste**

SAR	0.764			SAR	1	B2H0504	08/05/2022	08/08/2022
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**Specific Conductance Mod. 9050A**

Specific Conductance (EC)	0.407		0.00500	mmhos/cm	1	B2H0511	08/05/2022	08/06/2022
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**Table 915 metals by EPA 6020B**

Arsenic	2.13		0.0793	mg/kg	5	B2H0514	08/05/2022	08/07/2022
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Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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Ensolum  
11049 W 44th Avenue, Suite 103  
Wheat Ridge CO 80033

Jeremy Pike  
Project Number: [none]  
Project: Dawson A1

SS31@7'

8/3/2022 2:05:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y208114-08 (Soil)**

**Table 915 metals by EPA 6020B**

Barium	63.8	7.93	mg/kg	5	B2H0514	08/05/2022	08/07/2022	
Cadmium	0.192	0.0793	"	"	"	"	"	
Copper	ND	7.93	"	"	"	"	"	U
Lead	5.45	0.793	"	"	"	"	"	
Nickel	5.05	0.793	"	"	"	"	08/08/2022	
Selenium	0.147	0.0793	"	"	"	"	"	
Silver	ND	0.0793	"	"	"	"	08/07/2022	U
Zinc	ND	79.3	"	"	"	"	"	U

**Total Metals by 7196A**

Chromium, Hexavalent	ND	0.497	1.02	mg/Kg	2	L630797	08/03/2022	08/08/2022
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Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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Ensolum  
11049 W 44th Avenue, Suite 103  
Wheat Ridge CO 80033

Jeremy Pike  
Project Number: [none]  
Project: Dawson A1

**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
<b>Batch B2H0819 - EPA 5030 (soil)</b>										
<b>Blank (B2H0819-BLK1)</b>					Prepared: 08/08/2022 Analyzed: 08/08/2022					
1,2,4-Trimethylbenzene	ND	0.00200	mg/kg							U
1,3,5-Trimethylbenzene	ND	0.00200	"							U
Benzene	ND	0.00200	"							U
Ethylbenzene	ND	0.00200	"							U
Naphthalene	ND	0.0100	"							U
Toluene	ND	0.00200	"							U
Xylenes, total	ND	0.00200	"							U
Gasoline Range Hydrocarbons	ND	0.200	"							U
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		95.1	70-130			
Surrogate: Toluene-d8	0.13		"	0.125		104	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		106	70-130			

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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Ensolum  
11049 W 44th Avenue, Suite 103  
Wheat Ridge CO 80033

Jeremy Pike  
Project Number: [none]  
Project: Dawson A1

**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 B2H0819 - EPA 5030 (soil)**

**LCS (B2H0819-BS1)**

Prepared: 08/08/2022 Analyzed: 08/08/2022

1,2,4-Trimethylbenzene	0.0951	0.00200	mg/kg	0.100		95.1	70-130			
1,3,5-Trimethylbenzene	0.0937	0.00200	"	0.100		93.7	70-130			
Benzene	0.0859	0.00200	"	0.100		85.9	70-130			
Ethylbenzene	0.0920	0.00200	"	0.100		92.0	70-130			
Naphthalene	0.0903	0.0100	"	0.100		90.3	70-130			
Toluene	0.0895	0.00200	"	0.100		89.5	70-130			
o-Xylene	0.0942	0.00200	"	0.100		94.2	70-130			
m,p-Xylene	0.192	0.00400	"	0.200		95.8	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		93.9	70-130			
Surrogate: Toluene-d8	0.14		"	0.125		108	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		106	70-130			

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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Ensolum  
11049 W 44th Avenue, Suite 103  
Wheat Ridge CO 80033

Jeremy Pike  
Project Number: [none]  
Project: Dawson A1

**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
<b>Batch B2H0819 - EPA 5030 (soil)</b>										
<b>Matrix Spike (B2H0819-MS1)</b>		<b>Source: Y208104-07</b>			Prepared: 08/08/2022 Analyzed: 08/08/2022					
1,2,4-Trimethylbenzene	0.0799	0.00200	mg/kg	0.100	ND	79.9	70-130			
1,3,5-Trimethylbenzene	0.0789	0.00200	"	0.100	ND	78.9	70-130			
Benzene	0.0941	0.00200	"	0.100	ND	94.1	70-130			
Ethylbenzene	0.0897	0.00200	"	0.100	ND	89.7	70-130			
Naphthalene	0.0656	0.0100	"	0.100	0.00202	63.6	70-130			QM-07
Toluene	0.0944	0.00200	"	0.100	ND	94.4	70-130			
o-Xylene	0.0887	0.00200	"	0.100	ND	88.7	70-130			
m,p-Xylene	0.183	0.00400	"	0.200	ND	91.7	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		97.8	70-130			
Surrogate: Toluene-d8	0.13		"	0.125		105	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		105	70-130			

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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Ensolum  
11049 W 44th Avenue, Suite 103  
Wheat Ridge CO 80033

Jeremy Pike  
Project Number: [none]  
Project: Dawson A1

**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
<b>Batch B2H0819 - EPA 5030 (soil)</b>										
<b>Matrix Spike Dup (B2H0819-MSD1)</b>					<b>Source: Y208104-07</b>					
										Prepared: 08/08/2022 Analyzed: 08/08/2022
1,2,4-Trimethylbenzene	0.105	0.00200	mg/kg	0.100	ND	105	70-130	27.6	20	QM-07
1,3,5-Trimethylbenzene	0.106	0.00200	"	0.100	ND	106	70-130	29.1	20	QM-07
Benzene	0.101	0.00200	"	0.100	ND	101	70-130	7.41	20	
Ethylbenzene	0.107	0.00200	"	0.100	ND	107	70-130	17.6	20	
Naphthalene	0.0913	0.0100	"	0.100	0.00202	89.3	70-130	32.8	20	QM-07
Toluene	0.106	0.00200	"	0.100	ND	106	70-130	11.2	20	
o-Xylene	0.107	0.00200	"	0.100	ND	107	70-130	18.6	20	
m,p-Xylene	0.221	0.00400	"	0.200	ND	110	70-130	18.6	20	
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		97.8	70-130			
Surrogate: Toluene-d8	0.13		"	0.125		105	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		106	70-130			

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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Ensolum  
11049 W 44th Avenue, Suite 103  
Wheat Ridge CO 80033

Jeremy Pike  
Project Number: [none]  
Project: Dawson A1

## 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
Batch B2H0820 - EPA 3580										
Blank (B2H0820-BLK1)					Prepared: 08/08/2022 Analyzed: 08/15/2022					
Diesel (C10-C28)	ND	25.0	mg/kg							U
Residual Range Organics (C28-C40)	ND	100	"							U
Surrogate: o-Terphenyl	25		"	24.9		102	50-150			

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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Ensolum  
11049 W 44th Avenue, Suite 103  
Wheat Ridge CO 80033

Jeremy Pike  
Project Number: [none]  
Project: Dawson A1

**Extractable Petroleum Hydrocarbons by 8015D - 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 B2H0820 - EPA 3580

**LCS (B2H0820-BS1)**

Prepared: 08/08/2022 Analyzed: 08/15/2022

Diesel (C10-C28)	565	25.0	mg/kg	500		113	70-130			
Residual Range Organics (C28-C40)	596	100	"	500		119	70-130			
Surrogate: o-Terphenyl	27		"	24.9		107	50-150			

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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Ensolum  
11049 W 44th Avenue, Suite 103  
Wheat Ridge CO 80033

Jeremy Pike  
Project Number: [none]  
Project: Dawson A1

Extractable Petroleum Hydrocarbons by 8015D - 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 B2H0820 - EPA 3580

Matrix Spike (B2H0820-MS1)		Source: Y208104-07			Prepared: 08/08/2022 Analyzed: 08/15/2022					
Diesel (C10-C28)	568	25.0	mg/kg	500	87.6	96.1	70-130			
Residual Range Organics (C28-C40)	657	100	"	500	199	91.8	70-130			
Surrogate: o-Terphenyl	26		"	24.9		106	50-150			

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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Ensolum  
11049 W 44th Avenue, Suite 103  
Wheat Ridge CO 80033

Jeremy Pike  
Project Number: [none]  
Project: Dawson A1

Extractable Petroleum Hydrocarbons by 8015D - 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 B2H0820 - EPA 3580

Matrix Spike Dup (B2H0820-MSD1)		Source: Y208104-07			Prepared: 08/08/2022 Analyzed: 08/15/2022					
Diesel (C10-C28)	556	25.0	mg/kg	500	87.6	93.7	70-130	2.17	35	
Residual Range Organics (C28-C40)	694	100	"	500	199	99.0	70-130	5.39	35	
Surrogate: o-Terphenyl	26		"	24.9		106	50-150			

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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Ensolum  
11049 W 44th Avenue, Suite 103  
Wheat Ridge CO 80033

Jeremy Pike  
Project Number: [none]  
Project: Dawson A1

Extractable Petroleum Hydrocarbons by 8015D - Quality Control  
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B2H0821 - EPA 3580										
Blank (B2H0821-BLK1)					Prepared: 08/08/2022 Analyzed: 08/09/2022					
Diesel (C10-C28)	ND	25.0	mg/kg							U
Residual Range Organics (C28-C40)	ND	100	"							U
Surrogate: o-Terphenyl	15		"	24.9		61.3	50-150			

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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Ensolum  
11049 W 44th Avenue, Suite 103  
Wheat Ridge CO 80033

Jeremy Pike  
Project Number: [none]  
Project: Dawson A1

**Extractable Petroleum Hydrocarbons by 8015D - 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 B2H0821 - EPA 3580

**LCS (B2H0821-BS1)**

Prepared: 08/08/2022 Analyzed: 08/09/2022

Diesel (C10-C28)	527	25.0	mg/kg	500		105	70-130			
Residual Range Organics (C28-C40)	506	100	"	500		101	70-130			
Surrogate: o-Terphenyl	20		"	24.9		80.3	50-150			

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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Ensolum  
11049 W 44th Avenue, Suite 103  
Wheat Ridge CO 80033

Jeremy Pike  
Project Number: [none]  
Project: Dawson A1

## Extractable Petroleum Hydrocarbons by 8015D - 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 B2H0821 - EPA 3580

Matrix Spike (B2H0821-MS1)		Source: Y208112-04			Prepared: 08/08/2022 Analyzed: 08/09/2022					
Diesel (C10-C28)	410	25.0	mg/kg	500	21.1	77.7	70-130			
Residual Range Organics (C28-C40)	398	100	"	500	ND	79.5	70-130			
Surrogate: o-Terphenyl	14		"	24.9		54.6	50-150			

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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Ensolum  
11049 W 44th Avenue, Suite 103  
Wheat Ridge CO 80033

Jeremy Pike  
Project Number: [none]  
Project: Dawson A1

## Extractable Petroleum Hydrocarbons by 8015D - 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 B2H0821 - EPA 3580

Matrix Spike Dup (B2H0821-MSD1)		Source: Y208112-04			Prepared: 08/08/2022 Analyzed: 08/09/2022					
Diesel (C10-C28)	623	25.0	mg/kg	500	21.1	120	70-130	41.4	35	QR-02
Residual Range Organics (C28-C40)	604	100	"	500	ND	121	70-130	41.2	35	QR-02
Surrogate: o-Terphenyl	26		"	24.9		104	50-150			

Origins Laboratory, Inc.



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Ensolum  
11049 W 44th Avenue, Suite 103  
Wheat Ridge CO 80033

Jeremy Pike  
Project Number: [none]  
Project: Dawson A1

## Extractable Petroleum Hydrocarbons by 8015D - Quality Control

### Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B2H0826 - EPA 5030 (soil)										
Blank (B2H0826-BLK1)					Prepared: 08/08/2022 Analyzed: 08/11/2022					
1,2,4-Trimethylbenzene	ND	0.00200	mg/kg							U
1,3,5-Trimethylbenzene	ND	0.00200	"							U
Benzene	ND	0.00200	"							U
Ethylbenzene	ND	0.00200	"							U
Naphthalene	ND	0.00380	"							U
Toluene	ND	0.00200	"							U
Xylenes, total	ND	0.00200	"							U
Gasoline Range Hydrocarbons	ND	0.200	"							U
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		97.7	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		98.4	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		104	70-130			

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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Ensolum  
11049 W 44th Avenue, Suite 103  
Wheat Ridge CO 80033

Jeremy Pike  
Project Number: [none]  
Project: Dawson A1

**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
<b>Batch B2H0826 - EPA 5030 (soil)</b>										
<b>LCS (B2H0826-BS1)</b>					Prepared: 08/08/2022 Analyzed: 08/11/2022					
1,2,4-Trimethylbenzene	0.105	0.00200	mg/kg	0.100		105	70-130			
1,3,5-Trimethylbenzene	0.105	0.00200	"	0.100		105	70-130			
Benzene	0.106	0.00200	"	0.100		106	70-130			
Ethylbenzene	0.103	0.00200	"	0.100		103	70-130			
Naphthalene	0.0964	0.00380	"	0.100		96.4	70-130			
Toluene	0.105	0.00200	"	0.100		105	70-130			
o-Xylene	0.106	0.00200	"	0.100		106	70-130			
m,p-Xylene	0.215	0.00400	"	0.200		107	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		98.2	70-130			
Surrogate: Toluene-d8	0.13		"	0.125		101	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		104	70-130			

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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Wheat Ridge CO 80033

Jeremy Pike  
Project Number: [none]  
Project: Dawson A1

## 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 B2H0826 - EPA 5030 (soil)

Matrix Spike (B2H0826-MS1)		Source: Y208112-01			Prepared: 08/08/2022 Analyzed: 08/11/2022					
1,2,4-Trimethylbenzene	0.111	0.00200	mg/kg	0.100	0.00630	105	70-130			
1,3,5-Trimethylbenzene	0.109	0.00200	"	0.100	0.00252	107	70-130			
Benzene	0.104	0.00200	"	0.100	ND	104	70-130			
Ethylbenzene	0.108	0.00200	"	0.100	ND	108	70-130			
Naphthalene	0.0815	0.00380	"	0.100	0.00378	77.7	70-130			
Toluene	0.104	0.00200	"	0.100	ND	104	70-130			
o-Xylene	0.110	0.00200	"	0.100	0.00122	109	70-130			
m,p-Xylene	0.226	0.00400	"	0.200	0.00256	112	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		93.7	70-130			
Surrogate: Toluene-d8	0.13		"	0.125		101	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		106	70-130			

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Jeremy Pike  
Project Number: [none]  
Project: Dawson A1

**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
<b>Batch B2H0826 - EPA 5030 (soil)</b>										
<b>Matrix Spike Dup (B2H0826-MSD1)</b>		<b>Source: Y208112-01</b>			Prepared: 08/08/2022 Analyzed: 08/11/2022					
1,2,4-Trimethylbenzene	0.115	0.00200	mg/kg	0.100	0.00630	109	70-130	3.75	20	
1,3,5-Trimethylbenzene	0.112	0.00200	"	0.100	0.00252	109	70-130	2.42	20	
Benzene	0.109	0.00200	"	0.100	ND	109	70-130	4.69	20	
Ethylbenzene	0.110	0.00200	"	0.100	ND	110	70-130	1.67	20	
Naphthalene	0.0954	0.00380	"	0.100	0.00378	91.7	70-130	15.8	20	
Toluene	0.107	0.00200	"	0.100	ND	107	70-130	3.36	20	
o-Xylene	0.113	0.00200	"	0.100	0.00122	112	70-130	2.40	20	
m,p-Xylene	0.230	0.00400	"	0.200	0.00256	113	70-130	1.57	20	
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		95.3	70-130			
Surrogate: Toluene-d8	0.13		"	0.125		100	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		106	70-130			

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Jeremy Pike  
Project Number: [none]  
Project: Dawson A1

**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
<b>Batch B2H0827 - EPA 5030 (soil)</b>										
<b>Blank (B2H0827-BLK1)</b>					Prepared: 08/08/2022 Analyzed: 08/09/2022					
1,2,4-Trimethylbenzene	ND	0.00200	mg/kg							U
1,3,5-Trimethylbenzene	ND	0.00200	"							U
Benzene	ND	0.00200	"							U
Ethylbenzene	ND	0.00200	"							U
Naphthalene	ND	0.0100	"							U
Toluene	ND	0.00200	"							U
Xylenes, total	ND	0.00200	"							U
Gasoline Range Hydrocarbons	ND	0.200	"							U
Surrogate: 1,2-Dichloroethane-d4	0.13		"	0.125	108		70-130			
Surrogate: Toluene-d8	0.13		"	0.125	108		70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125	99.2		70-130			

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Jeremy Pike  
Project Number: [none]  
Project: Dawson A1

**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 B2H0827 - EPA 5030 (soil)**

**LCS (B2H0827-BS1)**

Prepared: 08/08/2022 Analyzed: 08/09/2022

1,2,4-Trimethylbenzene	0.115	0.00200	mg/kg	0.100		115	70-130			
1,3,5-Trimethylbenzene	0.115	0.00200	"	0.100		115	70-130			
Benzene	0.109	0.00200	"	0.100		109	70-130			
Ethylbenzene	0.109	0.00200	"	0.100		109	70-130			
Naphthalene	0.108	0.0100	"	0.100		108	70-130			
Toluene	0.115	0.00200	"	0.100		115	70-130			
o-Xylene	0.113	0.00200	"	0.100		113	70-130			
m,p-Xylene	0.217	0.00400	"	0.200		108	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.13		"	0.125		107	70-130			
Surrogate: Toluene-d8	0.13		"	0.125		107	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		104	70-130			

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Jeremy Pike  
Project Number: [none]  
Project: Dawson A1

**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 B2H0827 - EPA 5030 (soil)**

Matrix Spike (B2H0827-MS1)		Source: Y208114-01			Prepared: 08/08/2022 Analyzed: 08/09/2022					
1,2,4-Trimethylbenzene	0.110	0.00200	mg/kg	0.100	ND	110	70-130			
1,3,5-Trimethylbenzene	0.107	0.00200	"	0.100	ND	107	70-130			
Benzene	0.106	0.00200	"	0.100	ND	106	70-130			
Ethylbenzene	0.102	0.00200	"	0.100	ND	102	70-130			
Naphthalene	0.102	0.0100	"	0.100	0.000540	102	70-130			
Toluene	0.111	0.00200	"	0.100	ND	111	70-130			
o-Xylene	0.108	0.00200	"	0.100	ND	108	70-130			
m,p-Xylene	0.206	0.00400	"	0.200	ND	103	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.14		"	0.125		112	70-130			
Surrogate: Toluene-d8	0.13		"	0.125		107	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		98.6	70-130			

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Wheat Ridge CO 80033

Jeremy Pike  
Project Number: [none]  
Project: Dawson A1

## 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 B2H0827 - EPA 5030 (soil)

Matrix Spike Dup (B2H0827-MSD1)		Source: Y208114-01			Prepared: 08/08/2022 Analyzed: 08/09/2022					
1,2,4-Trimethylbenzene	0.112	0.00200	mg/kg	0.100	ND	112	70-130	1.59	20	
1,3,5-Trimethylbenzene	0.114	0.00200	"	0.100	ND	114	70-130	6.09	20	
Benzene	0.107	0.00200	"	0.100	ND	107	70-130	0.678	20	
Ethylbenzene	0.117	0.00200	"	0.100	ND	117	70-130	14.5	20	
Naphthalene	0.116	0.0100	"	0.100	0.000540	116	70-130	12.9	20	
Toluene	0.124	0.00200	"	0.100	ND	124	70-130	11.3	20	
o-Xylene	0.121	0.00200	"	0.100	ND	121	70-130	11.2	20	
m,p-Xylene	0.230	0.00400	"	0.200	ND	115	70-130	11.1	20	
Surrogate: 1,2-Dichloroethane-d4	0.14		"	0.125		112	70-130			
Surrogate: Toluene-d8	0.15		"	0.125		117	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		107	70-130			

Origins Laboratory, Inc.



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Ensolum  
11049 W 44th Avenue, Suite 103  
Wheat Ridge CO 80033

Jeremy Pike  
Project Number: [none]  
Project: Dawson A1

## 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 SM 3500 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 B2H0514 - Default Prep Metals

##### Blank (B2H0514-BLK1)

Prepared: 08/05/2022 Analyzed: 08/06/2022

Arsenic	ND	0.000100	mg/kg							U
Barium	ND	0.0100	"							U
Cadmium	ND	0.000100	"							U
Chromium	ND	0.00100	"							U
Copper	ND	0.0100	"							U
Lead	ND	0.00100	"							U
Nickel	ND	0.00100	"							U
Selenium	ND	0.000100	"							U
Silver	ND	0.000100	"							U
Zinc	ND	0.100	"							U

##### LCS (B2H0514-BS1)

Prepared: 08/05/2022 Analyzed: 08/06/2022

Arsenic	0.0464	0.000100	mg/kg	0.0500		92.8	80-120
Barium	4.78	0.0100	"	5.00		95.5	80-120
Cadmium	0.0491	0.000100	"	0.0500		98.3	80-120
Chromium	0.0492	0.00100	"	0.0500		98.3	80-120
Copper	0.500	0.0100	"	0.500		100	80-120
Lead	0.0528	0.00100	"	0.0500		106	80-120
Nickel	0.0547	0.00100	"	0.0500		109	80-120
Selenium	0.0462	0.000100	"	0.0500		92.3	80-120
Silver	0.0561	0.000100	"	0.0500		112	80-120

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Jeremy Pike  
Project Number: [none]  
Project: Dawson A1

## Metals by SM 3500 Series Methods - Quality Control

### Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B2H0514 - Default Prep Metals</b>										
<b>LCS (B2H0514-BS1)</b>					Prepared: 08/05/2022 Analyzed: 08/06/2022					
Zinc	0.470	0.100	mg/kg	0.500		94.0	80-120			
<b>Matrix Spike (B2H0514-MS1)</b>					Source: Y208103-08 Prepared: 08/05/2022 Analyzed: 08/06/2022					
Arsenic	6.71	0.0192	mg/kg	9.61	5.53	12.2	75-125			QM-07
Barium	1050	1.92	"	961	194	88.7	75-125			
Cadmium	9.73	0.0192	"	9.61	0.487	96.1	75-125			
Chromium	14.3	0.192	"	9.61	16.3	NR	75-125			QM-07
Copper	52.3	1.92	"	96.1	12.4	41.5	75-125			QM-07
Lead	23.1	0.192	"	9.61	12.3	112	75-125			
Nickel	20.6	0.192	"	9.61	16.4	43.6	75-125			QM-07
Selenium	7.30	0.0192	"	9.61	0.377	72.1	75-125			QM-07
Silver	10.2	0.0192	"	9.61	0.0859	106	75-125			
Zinc	71.7	19.2	"	96.1	55.4	16.9	75-125			QM-07
<b>Matrix Spike Dup (B2H0514-MSD1)</b>					Source: Y208103-08 Prepared: 08/05/2022 Analyzed: 08/07/2022					
Arsenic	5.06	0.0146	mg/kg	7.30	5.53	NR	75-125	28.0	20	QM-07, QR-DUP
Barium	1040	1.46	"	730	194	117	75-125	0.0748	20	
Cadmium	8.16	0.0146	"	7.30	0.487	105	75-125	17.5	20	
Chromium	11.8	0.146	"	7.30	16.3	NR	75-125	19.2	20	QM-07
Copper	38.7	1.46	"	73.0	12.4	35.9	75-125	30.1	20	QM-07
Lead	19.2	0.146	"	7.30	12.3	94.6	75-125	18.4	20	
Nickel	16.4	0.146	"	7.30	16.4	NR	75-125	22.6	20	QM-07
Selenium	6.39	0.0146	"	7.30	0.377	82.4	75-125	13.3	20	
Silver	8.18	0.0146	"	7.30	0.0859	111	75-125	22.5	20	QR-02
Zinc	55.8	14.6	"	73.0	55.4	0.500	75-125	25.0	20	QM-07

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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11049 W 44th Avenue, Suite 103  
Wheat Ridge CO 80033

Jeremy Pike  
Project Number: [none]  
Project: Dawson A1

## 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 B2H0505 - Default Prep Metals</b>										
<b>Blank (B2H0505-BLK1)</b>					Prepared: 08/05/2022 Analyzed: 08/08/2022					
Boron	ND	0.100	mg/L							U
<b>Duplicate (B2H0505-DUP1)</b>					<b>Source: Y208059-01</b> Prepared: 08/05/2022 Analyzed: 08/08/2022					
Boron	0.481	0.101	mg/L		0.591			20.4	50	
<b>Batch B2H0507 - Default Prep Metals</b>										
<b>Blank (B2H0507-BLK1)</b>					Prepared: 08/05/2022 Analyzed: 08/08/2022					
Boron	ND	0.100	mg/L							U
<b>Duplicate (B2H0507-DUP1)</b>					<b>Source: Y208112-02</b> Prepared: 08/05/2022 Analyzed: 08/08/2022					
Boron	0.0444	0.100	mg/L		0.0498			11.5	50	U
<b>Batch B2H0805 - Default Prep Metals</b>										
<b>Blank (B2H0805-BLK1)</b>					Prepared: 08/08/2022 Analyzed: 08/09/2022					
Boron	ND	0.100	mg/L							U
<b>Duplicate (B2H0805-DUP1)</b>					<b>Source: Y208114-05</b> Prepared: 08/08/2022 Analyzed: 08/09/2022					
Boron	0.0503	0.101	mg/L		0.0757			40.4	50	U

Origins Laboratory, Inc.



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Jeremy Pike  
Project Number: [none]  
Project: Dawson A1

## Saturated Paste - Quality Control Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B2H0509 - NO PREP</b>										
<b>Blank (B2H0509-BLK1)</b>					Prepared: 08/05/2022 Analyzed: 08/06/2022					
pH	0.00		pH Units							
Specific Conductance (EC)	ND	0.00500	mmhos/cm							U
<b>Duplicate (B2H0509-DUP1)</b>					<b>Source: Y208059-01</b>		Prepared: 08/05/2022 Analyzed: 08/06/2022			
pH	7.84		pH Units		8.04			2.52	25	
Specific Conductance (EC)	1.90	0.00500	mmhos/cm		1.89			0.759	25	
<b>Batch B2H0511 - NO PREP</b>										
<b>Blank (B2H0511-BLK1)</b>					Prepared: 08/05/2022 Analyzed: 08/06/2022					
pH	0.00		pH Units							
Specific Conductance (EC)	ND	0.00500	mmhos/cm							U
<b>Duplicate (B2H0511-DUP1)</b>					<b>Source: Y208112-06</b>		Prepared: 08/05/2022 Analyzed: 08/06/2022			
pH	8.11		pH Units		7.85			3.26	25	
Specific Conductance (EC)	0.357	0.00500	mmhos/cm		0.275			25.8	25	
<b>Batch B2H0814 - NO PREP</b>										
<b>Duplicate (B2H0814-DUP1)</b>					<b>Source: Y208104-01</b>		Prepared: 08/08/2022 Analyzed: 08/09/2022			
pH	8.12		pH Units		8.28			1.95	25	

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Jeremy Pike  
Project Number: [none]  
Project: Dawson A1

**PAH by 8270D SIM - Quality Control**  
**Waypoint Analytical, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch L631151 - 3550B**

MSD (L 95764-MSD-L631151)		Source: 95764			Prepared: 08/09/2022 Analyzed: 08/10/2022					
Acenaphthene	0.102	0.00152	mg/Kg	0.166	<0.00152	61.4	30-130	8.4	30	
Fluorene	0.106	0.00143	"	0.166	<0.00143	63.8	30-130	9	30	
1-Methylnaphthalene	0.0919	0.00182	"	0.166	<0.00182	55.3	30-130	9.4	30	
Pyrene	0.112	0.00322	"	0.166	<0.00322	67.4	30-130	8.5	30	
Indeno(1,2,3-cd)pyrene	0.0708	0.00314	"	0.166	<0.00314	42.6	30-130	12.2	30	
Fluoranthene	0.112	0.00197	"	0.166	<0.00197	67.4	30-130	8.5	30	
Dibenz(a,h)anthracene	0.104	0.00307	"	0.166	<0.00307	62.6	30-130	9.1	30	
Chrysene	0.118	0.00312	"	0.166	<0.00312	71	30-130	4.9	30	
Naphthalene	0.11	0.00242	"	0.166	<0.00242	66.2	30-130	7	30	
Benzo(k)fluoranthene	0.0867	0.00219	"	0.166	<0.00219	52.2	30-130	8	30	
2-Methylnaphthalene	0.091	0.00323	"	0.166	<0.00323	54.8	30-130	8	30	
Anthracene	0.112	0.00167	"	0.166	<0.00167	67.4	30-130	6	30	
Benzo(a)anthracene	0.0995	0.00247	"	0.166	<0.00247	59.9	30-130	8.1	30	
Benzo(a)pyrene	0.11	0.00234	"	0.166	<0.00234	66.2	30-130	7	30	
Benzo(b)fluoranthene	0.0572	0.00293	"	0.166	<0.00293	34.4	30-130	9.4	30	
Surrogate: Nitrobenzene-d5	51.3		"	0.331	160	51.3	29-110			
Surrogate: 4-Terphenyl-d14	69.7		"	0.331	210	69.7	33-122			
Surrogate: 2-Fluorobiphenyl	55.5		"	0.331	169	55.5	33-115			

MS (L 95764-MS-L631151)		Source: 95764			Prepared: 08/09/2022 Analyzed: 08/10/2022					
Chrysene	0.124	0.00312	mg/Kg	0.166	<0.00312	74.6	30-130			
Acenaphthene	0.111	0.00152	"	0.166	<0.00152	66.8	30-130			
Naphthalene	0.118	0.00242	"	0.166	<0.00242	71	30-130			
Indeno(1,2,3-cd)pyrene	0.08	0.00314	"	0.166	<0.00314	48.1	30-130			
Fluorene	0.116	0.00143	"	0.166	<0.00143	69.8	30-130			
Fluoranthene	0.122	0.00197	"	0.166	<0.00197	73.4	30-130			
Dibenz(a,h)anthracene	0.114	0.00307	"	0.166	<0.00307	68.6	30-130			

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Ensolum  
11049 W 44th Avenue, Suite 103  
Wheat Ridge CO 80033

Jeremy Pike  
Project Number: [none]  
Project: Dawson A1

**PAH by 8270D SIM - Quality Control**  
**Waypoint Analytical, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch L631151 - 3550B**

MS (L 95764-MS-L631151)		Source: 95764			Prepared: 08/09/2022 Analyzed: 08/10/2022					
Pyrene	0.122	0.00322	mg/Kg	0.166	<0.00322	73.4	30-130			
Benzo(a)anthracene	0.108	0.00247	"	0.166	<0.00247	65	30-130			
1-Methylnaphthalene	0.101	0.00182	"	0.166	<0.00182	60.8	30-130			
Benzo(k)fluoranthene	0.094	0.00219	"	0.166	<0.00219	56.6	30-130			
2-Methylnaphthalene	0.0986	0.00323	"	0.166	<0.00323	59.3	30-130			
Anthracene	0.119	0.00167	"	0.166	<0.00167	71.6	30-130			
Benzo(a)pyrene	0.118	0.00234	"	0.166	<0.00234	71	30-130			
Benzo(b)fluoranthene	0.0629	0.00293	"	0.166	<0.00293	37.8	30-130			
Surrogate: Nitrobenzene-d5	53.4		"	0.331	160	53.4	29-110			
Surrogate: 2-Fluorobiphenyl	58.9		"	0.331	169	58.9	33-115			
Surrogate: 4-Terphenyl-d14	74.3		"	0.331	210	74.3	33-122			

LCS (LCS-L631151)		Prepared: 08/09/2022 Analyzed: 08/10/2022								
1-Methylnaphthalene	0.0894	0.000364	mg/Kg	0.167		53.5	30-130			
Chrysene	0.107	0.000624	"	0.167		64	30-130			
Pyrene	0.111	0.000643	"	0.167		66.4	30-130			
Naphthalene	0.102	0.000484	"	0.167		61	30-130			
Indeno(1,2,3-cd)pyrene	0.0931	0.000627	"	0.167		55.7	30-130			
Fluorene	0.108	0.000286	"	0.167		64.6	30-130			
Fluoranthene	0.113	0.000394	"	0.167		67.6	30-130			
Dibenz(a,h)anthracene	0.118	0.000614	"	0.167		70.6	30-130			
Benzo(b)fluoranthene	0.0757	0.000585	"	0.167		45.3	30-130			
Benzo(a)pyrene	0.11	0.000468	"	0.167		65.8	30-130			
Benzo(a)anthracene	0.101	0.000493	"	0.167		60.4	30-130			
Anthracene	0.112	0.000334	"	0.167		67	30-130			
Acenaphthene	0.0993	0.000304	"	0.167		59.4	30-130			
2-Methylnaphthalene	0.0898	0.000645	"	0.167		53.7	30-130			

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Ensolum  
11049 W 44th Avenue, Suite 103  
Wheat Ridge CO 80033

Jeremy Pike  
Project Number: [none]  
Project: Dawson A1

**PAH by 8270D SIM - Quality Control**  
**Waypoint Analytical, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch L631151 - 3550B**

**LCS (LCS-L631151)**

Prepared: 08/09/2022 Analyzed: 08/10/2022

Benzo(k)fluoranthene	0.0972	0.000437	mg/Kg	0.167		58.2	30-130			
Surrogate: Nitrobenzene-d5	54.3		"	0.333		54.3	29-110			
Surrogate: 4-Terphenyl-d14	69.6		"	0.333		69.6	33-122			
Surrogate: 2-Fluorobiphenyl	60		"	0.333		60	33-115			

**LRB (LRB-L631151)**

Prepared: 08/09/2022 Analyzed: 08/10/2022

Pyrene	ND	0.00067	mg/Kg				-			
Dibenz(a,h)anthracene	ND	0.00067	"				-			
Fluoranthene	ND	0.00067	"				-			
Fluorene	ND	0.00067	"				-			
Indeno(1,2,3-cd)pyrene	ND	0.00067	"				-			
Chrysene	ND	0.00067	"				-			
Acenaphthene	ND	0.00067	"				-			
Naphthalene	ND	0.00067	"				-			
Benzo(k)fluoranthene	ND	0.00067	"				-			
Benzo(b)fluoranthene	0.000622	0.00067	"				-			J
Benzo(a)pyrene	0.000569	0.00067	"				-			J
Anthracene	ND	0.00067	"				-			
2-Methylnaphthalene	ND	0.00067	"				-			
1-Methylnaphthalene	ND	0.00067	"				-			
Benzo(a)anthracene	ND	0.00067	"				-			
Surrogate: Nitrobenzene-d5	42.3		"	0.333		42.3	29-110			
Surrogate: 4-Terphenyl-d14	59.7		"	0.333		59.7	33-122			
Surrogate: 2-Fluorobiphenyl	46.8		"	0.333		46.8	33-115			

**Batch L631227 - 3550B**

**MSD (L 95815-MSD-L631227)**

**Source: 95815**

Prepared: 08/10/2022 Analyzed: 08/10/2022

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11049 W 44th Avenue, Suite 103  
Wheat Ridge CO 80033

Jeremy Pike  
Project Number: [none]  
Project: Dawson A1

**PAH by 8270D SIM - Quality Control**  
**Waypoint Analytical, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch L631227 - 3550B**

MSD (L 95815-MSD-L631227)		Source: 95815			Prepared: 08/10/2022 Analyzed: 08/10/2022					
Benzo(a)anthracene	0.0923	0.000493	mg/Kg	0.166	<0.000493	55.6	30-130	9	30	
Chrysene	0.0964	0.000624	"	0.166	0.000967	57.4	30-130	6.6	30	
Pyrene	0.0971	0.000643	"	0.166	<0.000643	58.4	30-130	8.7	30	
Naphthalene	0.094	0.000484	"	0.166	<0.000484	56.6	30-130	4.4	30	
Indeno(1,2,3-cd)pyrene	0.0859	0.000627	"	0.166	<0.000627	51.7	30-130	9.9	30	
Fluorene	0.1	0.000286	"	0.166	<0.000286	60.2	30-130	6.7	30	
Dibenz(a,h)anthracene	0.113	0.000614	"	0.166	<0.000614	68	30-130	6.8	30	
Benzo(k)fluoranthene	0.0759	0.000437	"	0.166	<0.000437	45.7	30-130	18.5	30	
Benzo(b)fluoranthene	0.0762	0.000585	"	0.166	<0.000585	45.9	30-130	0	30	
1-Methylnaphthalene	0.086	0.000364	"	0.166	0.000613	51.4	30-130	4.1	30	
Fluoranthene	0.098	0.000394	"	0.166	<0.000394	59	30-130	8.7	30	
Acenaphthene	0.0942	0.000304	"	0.166	<0.000304	56.7	30-130	5.9	30	
Benzo(a)pyrene	0.0939	0.000468	"	0.166	0.000518	56.2	30-130	10.2	30	
2-Methylnaphthalene	0.0857	0.000645	"	0.166	0.000906	51	30-130	4.2	30	
Anthracene	0.0964	0.000334	"	0.166	<0.000334	58	30-130	7.5	30	
Surrogate: Nitrobenzene-d5	45.6		"	0.331	152	45.6	29-110			
Surrogate: 2-Fluorobiphenyl	50.4		"	0.331	167	50.4	33-115			
Surrogate: 4-Terphenyl-d14	52.8		"	0.331	198	52.8	33-122			

MS (L 95815-MS-L631227)		Source: 95815			Prepared: 08/10/2022 Analyzed: 08/10/2022					
Benzo(a)pyrene	0.104	0.000468	mg/Kg	0.164	0.000518	63	30-130			
Fluoranthene	0.107	0.000394	"	0.164	<0.000394	65.2	30-130			
Naphthalene	0.0983	0.000484	"	0.164	<0.000484	59.9	30-130			
Fluorene	0.107	0.000286	"	0.164	<0.000286	65.2	30-130			
Dibenz(a,h)anthracene	0.121	0.000614	"	0.164	<0.000614	73.7	30-130			
Chrysene	0.103	0.000624	"	0.164	0.000967	62.2	30-130			
Benzo(k)fluoranthene	0.0914	0.000437	"	0.164	<0.000437	55.7	30-130			

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Ensolum  
11049 W 44th Avenue, Suite 103  
Wheat Ridge CO 80033

Jeremy Pike  
Project Number: [none]  
Project: Dawson A1

**PAH by 8270D SIM - Quality Control**  
**Waypoint Analytical, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch L631227 - 3550B**

MS (L 95815-MS-L631227)		Source: 95815			Prepared: 08/10/2022 Analyzed: 08/10/2022					
Benzo(b)fluoranthene	0.0762	0.000585	mg/Kg	0.164	<0.000585	46.4	30-130			
Pyrene	0.106	0.000643	"	0.164	<0.000643	64.6	30-130			
Anthracene	0.104	0.000334	"	0.164	<0.000334	63.4	30-130			
Acenaphthene	0.1	0.000304	"	0.164	<0.000304	60.9	30-130			
2-Methylnaphthalene	0.0894	0.000645	"	0.164	0.000906	53.9	30-130			
Benzo(a)anthracene	0.101	0.000493	"	0.164	<0.000493	61.5	30-130			
1-Methylnaphthalene	0.0896	0.000364	"	0.164	0.000613	54.2	30-130			
Indeno(1,2,3-cd)pyrene	0.0949	0.000627	"	0.164	<0.000627	57.8	30-130			
Surrogate: Nitrobenzene-d5	48.9		"	0.329	152	48.9	29-110			
Surrogate: 4-Terphenyl-d14	59.2		"	0.329	198	59.2	33-122			
Surrogate: 2-Fluorobiphenyl	54.7		"	0.329	167	54.7	33-115			

LCS (LCS-L631227)		Prepared: 08/10/2022 Analyzed: 08/10/2022								
Naphthalene	0.0904	0.000484	mg/Kg	0.167		54.1	30-130			
Benzo(a)anthracene	0.0887	0.000493	"	0.167		53.1	30-130			
Benzo(a)pyrene	0.0961	0.000468	"	0.167		57.5	30-130			
Benzo(b)fluoranthene	0.0772	0.000585	"	0.167		46.2	30-130			
Benzo(k)fluoranthene	0.074	0.000437	"	0.167		44.3	30-130			
Chrysene	0.097	0.000624	"	0.167		58	30-130			
Dibenz(a,h)anthracene	0.104	0.000614	"	0.167		62.2	30-130			
Fluoranthene	0.0988	0.000394	"	0.167		59.1	30-130			
Indeno(1,2,3-cd)pyrene	0.0822	0.000627	"	0.167		49.2	30-130			
Pyrene	0.1	0.000643	"	0.167		59.8	30-130			
Fluorene	0.093	0.000286	"	0.167		55.6	30-130			
2-Methylnaphthalene	0.0789	0.000645	"	0.167		47.2	30-130			
1-Methylnaphthalene	0.0788	0.000364	"	0.167		47.1	30-130			
Acenaphthene	0.0854	0.000304	"	0.167		51.1	30-130			

Origins Laboratory, Inc.



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Ensolum  
11049 W 44th Avenue, Suite 103  
Wheat Ridge CO 80033

Jeremy Pike  
Project Number: [none]  
Project: Dawson A1

**PAH by 8270D SIM - Quality Control**  
**Waypoint Analytical, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch L631227 - 3550B**

**LCS (LCS-L631227)**

Prepared: 08/10/2022 Analyzed: 08/10/2022

Anthracene	0.0969	0.000334	mg/Kg	0.167		58	30-130			
Surrogate: 4-Terphenyl-d14	60.3		"	0.333	60.3		33-122			
Surrogate: Nitrobenzene-d5	46.2		"	0.333	46.2		29-110			
Surrogate: 2-Fluorobiphenyl	49.5		"	0.333	49.5		33-115			

**LRB (LRB-L631227)**

Prepared: 08/10/2022 Analyzed: 08/10/2022

Pyrene	ND	0.00067	mg/Kg				-			
Benzo(a)anthracene	ND	0.00067	"				-			
Benzo(a)pyrene	ND	0.00067	"				-			
Benzo(b)fluoranthene	ND	0.00067	"				-			
Benzo(k)fluoranthene	ND	0.00067	"				-			
Chrysene	ND	0.00067	"				-			
Naphthalene	ND	0.00067	"				-			
Indeno(1,2,3-cd)pyrene	ND	0.00067	"				-			
Fluorene	ND	0.00067	"				-			
Fluoranthene	ND	0.00067	"				-			
Dibenz(a,h)anthracene	ND	0.00067	"				-			
Anthracene	ND	0.00067	"				-			
2-Methylnaphthalene	ND	0.00067	"				-			
1-Methylnaphthalene	ND	0.00067	"				-			
Acenaphthene	ND	0.00067	"				-			
Surrogate: Nitrobenzene-d5	49.5		"	0.333	49.5		29-110			
Surrogate: 4-Terphenyl-d14	63.3		"	0.333	63.3		33-122			
Surrogate: 2-Fluorobiphenyl	54.6		"	0.333	54.6		33-115			

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Ensolum  
11049 W 44th Avenue, Suite 103  
Wheat Ridge CO 80033

Jeremy Pike  
Project Number: [none]  
Project: Dawson A1

## Total Metals by 7196A - Quality Control Waypoint Analytical, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch L630798 -</b>										
<b>DUP (L 95826-DUP)</b>		<b>Source: Y208113-08</b>			Prepared: Analyzed: 08/08/2022					
Chromium, Hexavalent	ND	0.488	mg/Kg		<1.00	-		0	20	
<b>MS (L 95826-MS)</b>		<b>Source: Y208113-08</b>			Prepared: Analyzed: 08/08/2022					
Chromium, Hexavalent	7.52	2.44	mg/Kg	7.76	< 0.488	97	75-125			
<b>MSD (L 95826-MSD)</b>		<b>Source: Y208113-08</b>			Prepared: Analyzed: 08/08/2022					
Chromium, Hexavalent	595	25	mg/Kg	668	<25.0	89	75-125			
<b>LCS (LCS)</b>					Prepared: Analyzed: 08/08/2022					
Chromium, Hexavalent	7.42	0.244	mg/Kg	8		93	75-125			
<b>LRB (LRB)</b>					Prepared: Analyzed: 08/08/2022					
Chromium, Hexavalent	ND	0.5	mg/Kg							

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Ensolum  
11049 W 44th Avenue, Suite 103  
Wheat Ridge CO 80033

Jeremy Pike  
Project Number: [none]  
Project: Dawson A1

## Total Metals by 7196A - Quality Control Waypoint Analytical, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch L630797 -</b>										
<b>DUP (L 95805-DUP)</b>		<b>Source: Y208114-02</b>			Prepared: Analyzed: 08/08/2022					
Chromium, Hexavalent	ND	0.502	mg/Kg		<1.03	-		0	20	
<b>MS (L 95805-MS)</b>		<b>Source: Y208114-02</b>			Prepared: Analyzed: 08/08/2022					
Chromium, Hexavalent	5.94	0.488	mg/Kg	7.81	<0.488	76	75-125			
<b>MSD (L 95805-MSD)</b>		<b>Source: Y208114-02</b>			Prepared: Analyzed: 08/08/2022					
Chromium, Hexavalent	635	24.7	mg/Kg	697	<24.7	91	75-125			
<b>LCS (LCS)</b>					Prepared: Analyzed: 08/08/2022					
Chromium, Hexavalent	6.12	0.244	mg/Kg	8		77	75-125			
<b>LRB (LRB)</b>					Prepared: Analyzed: 08/08/2022					
Chromium, Hexavalent	ND	0.5	mg/Kg							

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Ensolum  
11049 W 44th Avenue, Suite 103  
Wheat Ridge CO 80033

Jeremy Pike  
Project Number: [none]  
Project: Dawson A1

**PAH by 8270- SIM - Quality Control**  
**Waypoint Analytical, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch L631227 - 3550B**

MSD (L 95815-MSD-L631227)		Source: 95815			Prepared: 08/10/2022 Analyzed: 08/10/2022					
Acenaphthene	0.0942	0.000304	mg/Kg	0.166	<0.000304	56.7	30-130	5.9	30	
Benzo(k)fluoranthene	0.0759	0.000437	"	0.166	<0.000437	45.7	30-130	18.5	30	
Pyrene	0.0971	0.000643	"	0.166	<0.000643	58.4	30-130	8.7	30	
Naphthalene	0.094	0.000484	"	0.166	<0.000484	56.6	30-130	4.4	30	
Indeno(1,2,3-cd)pyrene	0.0859	0.000627	"	0.166	<0.000627	51.7	30-130	9.9	30	
Fluorene	0.1	0.000286	"	0.166	<0.000286	60.2	30-130	6.7	30	
Fluoranthene	0.098	0.000394	"	0.166	<0.000394	59	30-130	8.7	30	
Dibenz(a,h)anthracene	0.113	0.000614	"	0.166	<0.000614	68	30-130	6.8	30	
Chrysene	0.0964	0.000624	"	0.166	0.000967	57.4	30-130	6.6	30	
Benzo(a)anthracene	0.0923	0.000493	"	0.166	<0.000493	55.6	30-130	9	30	
1-Methylnaphthalene	0.086	0.000364	"	0.166	0.000613	51.4	30-130	4.1	30	
Benzo(b)fluoranthene	0.0762	0.000585	"	0.166	<0.000585	45.9	30-130	0	30	
2-Methylnaphthalene	0.0857	0.000645	"	0.166	0.000906	51	30-130	4.2	30	
Anthracene	0.0964	0.000334	"	0.166	<0.000334	58	30-130	7.5	30	
Benzo(a)pyrene	0.0939	0.000468	"	0.166	0.000518	56.2	30-130	10.2	30	
Surrogate: Nitrobenzene-d5	45.6		"	0.331	152	45.6	29-110			
Surrogate: 2-Fluorobiphenyl	50.4		"	0.331	167	50.4	33-115			
Surrogate: 4-Terphenyl-d14	52.8		"	0.331	198	52.8	33-122			

MS (L 95815-MS-L631227)		Source: 95815			Prepared: 08/10/2022 Analyzed: 08/10/2022					
Chrysene	0.103	0.000624	mg/Kg	0.164	0.000967	62.2	30-130			
Benzo(b)fluoranthene	0.0762	0.000585	"	0.164	<0.000585	46.4	30-130			
Naphthalene	0.0983	0.000484	"	0.164	<0.000484	59.9	30-130			
Indeno(1,2,3-cd)pyrene	0.0949	0.000627	"	0.164	<0.000627	57.8	30-130			
Fluorene	0.107	0.000286	"	0.164	<0.000286	65.2	30-130			
Dibenz(a,h)anthracene	0.121	0.000614	"	0.164	<0.000614	73.7	30-130			
Pyrene	0.106	0.000643	"	0.164	<0.000643	64.6	30-130			

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Ensolum  
11049 W 44th Avenue, Suite 103  
Wheat Ridge CO 80033

Jeremy Pike  
Project Number: [none]  
Project: Dawson A1

**PAH by 8270- SIM - Quality Control**  
**Waypoint Analytical, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch L631227 - 3550B**

MS (L 95815-MS-L631227)		Source: 95815			Prepared: 08/10/2022 Analyzed: 08/10/2022					
Benzo(k)fluoranthene	0.0914	0.000437	mg/Kg	0.164	<0.000437	55.7	30-130			
1-Methylnaphthalene	0.0896	0.000364	"	0.164	0.000613	54.2	30-130			
Benzo(a)anthracene	0.101	0.000493	"	0.164	<0.000493	61.5	30-130			
Anthracene	0.104	0.000334	"	0.164	<0.000334	63.4	30-130			
Acenaphthene	0.1	0.000304	"	0.164	<0.000304	60.9	30-130			
2-Methylnaphthalene	0.0894	0.000645	"	0.164	0.000906	53.9	30-130			
Benzo(a)pyrene	0.104	0.000468	"	0.164	0.000518	63	30-130			
Fluoranthene	0.107	0.000394	"	0.164	<0.000394	65.2	30-130			
Surrogate: Nitrobenzene-d5	48.9		"	0.329	152	48.9	29-110			
Surrogate: 4-Terphenyl-d14	59.2		"	0.329	198	59.2	33-122			
Surrogate: 2-Fluorobiphenyl	54.7		"	0.329	167	54.7	33-115			

LCS (LCS-L631227)		Prepared: 08/10/2022 Analyzed: 08/10/2022								
Benzo(k)fluoranthene	0.074	0.000437	mg/Kg	0.167		44.3	30-130			
Chrysene	0.097	0.000624	"	0.167		58	30-130			
Dibenz(a,h)anthracene	0.104	0.000614	"	0.167		62.2	30-130			
Fluorene	0.093	0.000286	"	0.167		55.6	30-130			
Benzo(b)fluoranthene	0.0772	0.000585	"	0.167		46.2	30-130			
Fluoranthene	0.0988	0.000394	"	0.167		59.1	30-130			
Pyrene	0.1	0.000643	"	0.167		59.8	30-130			
Naphthalene	0.0904	0.000484	"	0.167		54.1	30-130			
Benzo(a)anthracene	0.0887	0.000493	"	0.167		53.1	30-130			
Anthracene	0.0969	0.000334	"	0.167		58	30-130			
Acenaphthene	0.0854	0.000304	"	0.167		51.1	30-130			
2-Methylnaphthalene	0.0789	0.000645	"	0.167		47.2	30-130			
1-Methylnaphthalene	0.0788	0.000364	"	0.167		47.1	30-130			
Indeno(1,2,3-cd)pyrene	0.0822	0.000627	"	0.167		49.2	30-130			

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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Ensolum  
11049 W 44th Avenue, Suite 103  
Wheat Ridge CO 80033

Jeremy Pike  
Project Number: [none]  
Project: Dawson A1

**PAH by 8270- SIM - Quality Control**  
**Waypoint Analytical, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch L631227 - 3550B**

**LCS (LCS-L631227)**

Prepared: 08/10/2022 Analyzed: 08/10/2022

Benzo(a)pyrene	0.0961	0.000468	mg/Kg	0.167		57.5	30-130			
Surrogate: Nitrobenzene-d5	46.2		"	0.333		46.2	29-110			
Surrogate: 4-Terphenyl-d14	60.3		"	0.333		60.3	33-122			
Surrogate: 2-Fluorobiphenyl	49.5		"	0.333		49.5	33-115			

**LRB (LRB-L631227)**

Prepared: 08/10/2022 Analyzed: 08/10/2022

Benzo(k)fluoranthene	ND	0.00067	mg/Kg				-			
Chrysene	ND	0.00067	"				-			
Dibenz(a,h)anthracene	ND	0.00067	"				-			
Fluoranthene	ND	0.00067	"				-			
Fluorene	ND	0.00067	"				-			
Benzo(b)fluoranthene	ND	0.00067	"				-			
Naphthalene	ND	0.00067	"				-			
2-Methylnaphthalene	ND	0.00067	"				-			
Indeno(1,2,3-cd)pyrene	ND	0.00067	"				-			
Benzo(a)pyrene	ND	0.00067	"				-			
Benzo(a)anthracene	ND	0.00067	"				-			
Anthracene	ND	0.00067	"				-			
1-Methylnaphthalene	ND	0.00067	"				-			
Pyrene	ND	0.00067	"				-			
Acenaphthene	ND	0.00067	"				-			
Surrogate: Nitrobenzene-d5	49.5		"	0.333		49.5	29-110			
Surrogate: 4-Terphenyl-d14	63.3		"	0.333		63.3	33-122			
Surrogate: 2-Fluorobiphenyl	54.6		"	0.333		54.6	33-115			

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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Ensolum  
11049 W 44th Avenue, Suite 103  
Wheat Ridge CO 80033

Jeremy Pike  
Project Number: [none]  
Project: Dawson A1

## Total Metals by 7196 A - Quality Control Waypoint Analytical, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch L630796 -</b>										
<b>DUP (L 95760-DUP)</b>		<b>Source: 95760</b>			Prepared: Analyzed: 08/08/2022					
Chromium, Hexavalent	ND	0.244	mg/Kg		<0.500	-		0	20	
<b>MS (L 95760-MS)</b>		<b>Source: 95760</b>			Prepared: Analyzed: 08/08/2022					
Chromium, Hexavalent	5.44	0.244	mg/Kg	7.95	<0.244	68	75-125			*
<b>MSD (L 95760-MSD)</b>		<b>Source: 95760</b>			Prepared: Analyzed: 08/08/2022					
Chromium, Hexavalent	587	24.4	mg/Kg	630	<24.4	93	75-125			

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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Ensolum  
11049 W 44th Avenue, Suite 103  
Wheat Ridge CO 80033

Jeremy Pike  
Project Number: [none]  
Project: Dawson A1

### Notes and Definitions

- U Sample is Non-Detect.
- S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
- QR-DUP RPD exceeds QC acceptance criteria, this indicates source sample is not homogenous.
- QR-02 The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
- QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
- J Estimated Value. Analyte below reported quantitation limit.
- \* QC Failure
- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- All soil results are reported on a wet weight basis.

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.*



October 04, 2022

Ensolum

Jeremy Pike

11049 W 44th Avenue, Suite 103

Wheat Ridge CO 80033

Project Name - Dawson A1

Project Number - [none]

Attached are your analytical results for Dawson A1 received by Origins Laboratory, Inc. September 27, 2022. This project is associated with Origins project number Y209632-01.

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  
o-squad@oelabinc.com



1725 Elk Place, Denver, CO 80211 | Phone: 303.433.1322 | Fax: 303.265.9645

Ensolum

11049 W 44th Avenue, Suite 103

Wheat Ridge CO 80033

Jeremy Pike

Project Number: [none]

Project: Dawson A1

### CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SS2@4'	Y209632-01	Soil	September 27, 2022 10:30	09/27/2022 17:12
SS7@4'	Y209632-02	Soil	September 27, 2022 10:35	09/27/2022 17:12

Origins Laboratory, Inc.



*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.*





Ensolum

11049 W 44th Avenue, Suite 103

Wheat Ridge CO 80033

Jeremy Pike

Project Number: [none]

Project: Dawson A1

Origins Laboratory

F-012207-01-R1

Effective Date: 01/09/12

## Sample Receipt Checklist

Origins Work Order: 4209632

Client: Ensolum

Client Project ID: Dawson A1

Checklist Completed by: EHS

Shipped Via: HD

(UPS, FedEx, Hand Delivered, Pick-up, etc.)

Date/time completed: 9/27/22

Airbill #: NA

Matrix(s) Received: (Check all that apply): ☒ Soil/Solid ☐ Water ☐ Other: \_\_\_\_\_

Cooler Number/Temperature: 1 11.1 °C 1 °C 1 °C 1 °C (Describe)

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"/>			
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"/>		
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 HNO <sub>3</sub> , HCL, H <sub>2</sub> SO <sub>4</sub> ) / (pH >10 for samples preserved with NaAsO <sub>2</sub> +NaOH, ZnAc+NaOH)			<input checked="" type="checkbox"/>	
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.

Enrique  
Reviewed by (Project Manager)

9/27/22  
Date/Time Reviewed

Origins Laboratory, Inc.

J. Bynon

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Ensolum

11049 W 44th Avenue, Suite 103

Wheat Ridge CO 80033

Jeremy Pike

Project Number: [none]

Project: Dawson A1

SS2@4'

9/27/2022 10:30:00AM

Analyte	Result	Reporting	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
		Limit							

Origins Laboratory, Inc.

Y209632-01 (Soil)

## pH in Soil by 9045D

pH	8.65	pH Units	1	B213011	ACC	09/30/2022	10/03/2022
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Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Ensolum

11049 W 44th Avenue, Suite 103

Wheat Ridge CO 80033

Jeremy Pike

Project Number: [none]

Project: Dawson A1

SS7@4'

9/27/2022 10:35:00AM

Analyte	Result	Reporting	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
		Limit							

Origins Laboratory, Inc.

Y209632-02 (Soil)

## pH in Soil by 9045D

pH	8.99	pH Units	1	B213011	ACC	09/30/2022	10/03/2022
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Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Ensolum  
11049 W 44th Avenue, Suite 103  
Wheat Ridge CO 80033

Jeremy Pike  
Project Number: [none]  
Project: Dawson A1

## Saturated Paste - Quality Control Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B2I3011 - NO PREP										
Blank (B2I3011-BLK1)					Prepared: 09/30/2022 Analyzed: 10/03/2022					
pH	0.00		pH Units							
Duplicate (B2I3011-DUP1)					Source: Y209609-01 Prepared: 09/30/2022 Analyzed: 10/03/2022					
pH	8.22		pH Units		8.29			0.848	25	

Origins Laboratory, Inc.



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Ensolum

11049 W 44th Avenue, Suite 103

Wheat Ridge CO 80033

Jeremy Pike

Project Number: [none]

Project: Dawson A1

### Notes and Definitions

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

All soil results are reported at a wet weight basis.

Origins Laboratory, Inc.



*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.*

November 28, 2022

Ensolum

Jeremy Pike

11049 W 44th Avenue, Suite 103

Wheat Ridge CO 80033

**Project Name - Dawson A1****Project Number - [none]**

Attached are your analytical results for Dawson A1 received by Origins Laboratory, Inc. November 01, 2022. This project is associated with Origins project number Y211035-01.

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.

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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  
o-squad@oelabinc.com



Ensolum  
11049 W 44th Avenue, Suite 103  
Wheat Ridge CO 80033

Jeremy Pike  
Project Number: [none]  
Project: Dawson A1

### CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SS2@8'	Y211035-01	Soil	November 1, 2022 12:25	11/01/2022 17:57
SS7@8'	Y211035-02	Soil	November 1, 2022 12:30	11/01/2022 17:57
SS7@12'	Y211035-03	Soil	November 1, 2022 12:35	11/01/2022 17:57
SS7@15'	Y211035-04	Soil	November 1, 2022 12:40	11/01/2022 17:57
SS14@1'	Y211035-05	Soil	November 1, 2022 12:45	11/01/2022 17:57
SS15@1'	Y211035-06	Soil	November 1, 2022 12:50	11/01/2022 17:57
SS16@1'	Y211035-07	Soil	November 1, 2022 12:55	11/01/2022 17:57
SS17@1'	Y211035-08	Soil	November 1, 2022 13:00	11/01/2022 17:57
BG05@2'	Y211035-09	Soil	November 1, 2022 13:05	11/01/2022 17:57
BG05@5'	Y211035-10	Soil	November 1, 2022 13:10	11/01/2022 17:57
BG05@10'	Y211035-11	Soil	November 1, 2022 13:15	11/01/2022 17:57

#### Chain of Custody Modification Request

On 11/9/2022, Jeremy Pike from Ensolum contacted Jordan Bynon via email regarding Y211035 requesting that pH be added to SS7@12' and SS7@15' on a rush TAT.

Requested modifications to the chain of custody were made by Jordan Bynon on 11/9/2022.

Origins Laboratory, Inc.



*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.*



Ensolum

11049 W 44th Avenue, Suite 103

Wheat Ridge CO 80033

Jeremy Pike

Project Number: [none]

Project: Dawson A1

1725 Elk Place | Denver, CO 80211 | Phone: 303.433.1322 | Fax: 303.265.9645

**ORIGINS**  
LABORATORY, INC

INITIAL ☐ IMPACTED ☐ **4211035** page 1 of 1

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Client: Ensolum LLC  
Address:   
Telephone Number:   
Email Address:   
Project Manager: Jeremy Espinoza  
Project Name: Dawson A1  
Project Number: 0442069201  
Samples Collected By: Elena Thompson

Sample ID Description	Date Sampled	Time Sampled	# of Containers	Preservative				Foil Table 915-1	BTEXN	TPH-GRO/DECOBO	ECOPUSAR/Bence (SP)	PH	Sample Instructions
				Unpreserved	HCl	HNO <sub>3</sub>	Other						
SS208'	11-1-22	1225	1	X									Quick turn
SS708'		1230	1										Quick turn
SS710'		1235	1										Quick turn
SS715'		1240	1										Hold
SS714'		1245	1										Standard turn
SS715'		1250	1										Standard turn
SS716'		1255	1										Standard turn
SS717'		1300	1										Standard turn
SS718'		1305	1										Standard turn
SS719'		1310	1										Standard turn
SS720'		1315	1										Standard turn
SS721'		1320	1										Standard turn
SS722'		1325	1										Standard turn
SS723'		1330	1										Standard turn
SS724'		1335	1										Standard turn
SS725'		1340	1										Standard turn
SS726'		1345	1										Standard turn
SS727'		1350	1										Standard turn
SS728'		1355	1										Standard turn
SS729'		1400	1										Standard turn
SS730'		1405	1										Standard turn
SS731'		1410	1										Standard turn
SS732'		1415	1										Standard turn
SS733'		1420	1										Standard turn
SS734'		1425	1										Standard turn
SS735'		1430	1										Standard turn
SS736'		1435	1										Standard turn
SS737'		1440	1										Standard turn
SS738'		1445	1										Standard turn
SS739'		1450	1										Standard turn
SS740'		1455	1										Standard turn
SS741'		1500	1										Standard turn
SS742'		1505	1										Standard turn
SS743'		1510	1										Standard turn
SS744'		1515	1										Standard turn
SS745'		1520	1										Standard turn
SS746'		1525	1										Standard turn
SS747'		1530	1										Standard turn
SS748'		1535	1										Standard turn
SS749'		1540	1										Standard turn
SS750'		1545	1										Standard turn
SS751'		1550	1										Standard turn
SS752'		1555	1										Standard turn
SS753'		1600	1										Standard turn
SS754'		1605	1										Standard turn
SS755'		1610	1										Standard turn
SS756'		1615	1										Standard turn
SS757'		1620	1										Standard turn
SS758'		1625	1										Standard turn
SS759'		1630	1										Standard turn
SS760'		1635	1										Standard turn
SS761'		1640	1										Standard turn
SS762'		1645	1										Standard turn
SS763'		1650	1										Standard turn
SS764'		1655	1										Standard turn
SS765'		1700	1										Standard turn
SS766'		1705	1										Standard turn
SS767'		1710	1										Standard turn
SS768'		1715	1										Standard turn
SS769'		1720	1										Standard turn
SS770'		1725	1										Standard turn
SS771'		1730	1										Standard turn
SS772'		1735	1										Standard turn
SS773'		1740	1										Standard turn
SS774'		1745	1										Standard turn
SS775'		1750	1										Standard turn
SS776'		1755	1										Standard turn
SS777'		1800	1										Standard turn
SS778'		1805	1										Standard turn
SS779'		1810	1										Standard turn
SS780'		1815	1										Standard turn
SS781'		1820	1										Standard turn
SS782'		1825	1										Standard turn
SS783'		1830	1										Standard turn
SS784'		1835	1										Standard turn
SS785'		1840	1										Standard turn
SS786'		1845	1										Standard turn
SS787'		1850	1										Standard turn
SS788'		1855	1										Standard turn
SS789'		1900	1										Standard turn
SS790'		1905	1										Standard turn
SS791'		1910	1										Standard turn
SS792'		1915	1										Standard turn
SS793'		1920	1										Standard turn
SS794'		1925	1										Standard turn
SS795'		1930	1										Standard turn
SS796'		1935	1										Standard turn
SS797'		1940	1										Standard turn
SS798'		1945	1										Standard turn
SS799'		1950	1										Standard turn
SS800'		1955	1										Standard turn

Requisitioned By:   
 Requisitioned Date:   
 Received By:   
 Received Date:   
 Date Results Needed:   
 Turnaround time:   
 Standard ☐ 48 Hr ☐ 24 Hr ☐ 72 Hr ☐ 10

Origins Laboratory, Inc.

*J. Bynon*

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Ensolum

11049 W 44th Avenue, Suite 103

Wheat Ridge CO 80033

Jeremy Pike

Project Number: [none]

Project: Dawson A1

Origins Laboratory

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

**Sample Receipt Checklist**

Origins Work Order: 4211035 Client: Ensolum  
Client Project ID: Dawson A1

Checklist Completed by: EHS/DE Shipped Via: HD  
(UPS, FedEx, Hand Delivered, Pick-up, etc.)  
Date/Time completed: 11/11/22 Airbill #: NA

Matrix(s) Received: (Check all that apply): ☒ Soil/Solid ☐ Water ☐ Other: \_\_\_\_\_  
(Describe)

Cooler Number/Temperature: 1, 5.1 °C \_\_\_\_\_ °C \_\_\_\_\_ °C \_\_\_\_\_ °C

Thermometer ID: J004

Requirement Description	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature between 0°C to ≤ 5°C <sup>(1)</sup> ?	<input checked="" type="checkbox"/>			
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"/>		
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 (> 1/4 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 HNO <sub>3</sub> , HCL, H <sub>2</sub> SO <sub>4</sub> ) / ( pH >10 for samples preserved with Na <sub>2</sub> CO <sub>3</sub> +NaOH, ZnAc <sub>2</sub> +NaOH)			<input checked="" type="checkbox"/>	
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 11/01/2022

Origins Laboratory, Inc.

*J. Bynon*

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Ensolum

11049 W 44th Avenue, Suite 103

Wheat Ridge CO 80033

Jeremy Pike

Project Number: [none]

Project: Dawson A1

SS2@8'

11/1/2022 12:25:00PM

Analyte	Result	Reporting	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
		Limit							

Origins Laboratory, Inc.

Y211035-01 (Soil)

## pH in Soil by 9045D

pH	8.12	pH Units	1	B2K0218	HJD	11/02/2022	11/03/2022
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Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Ensolum

11049 W 44th Avenue, Suite 103

Wheat Ridge CO 80033

Jeremy Pike

Project Number: [none]

Project: Dawson A1

SS7@8'

11/1/2022 12:30:00PM

Analyte	Result	Reporting	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
		Limit							

Origins Laboratory, Inc.

Y211035-02 (Soil)

## pH in Soil by 9045D

pH	9.11	pH Units	1	B2K0218	HJD	11/02/2022	11/03/2022
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Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Ensolum

11049 W 44th Avenue, Suite 103

Wheat Ridge CO 80033

Jeremy Pike

Project Number: [none]

Project: Dawson A1

SS7@12'

11/1/2022 12:35:00PM

Analyte	Result	Reporting	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
		Limit							

Origins Laboratory, Inc.

Y211035-03 (Soil)

## pH in Soil by 9045D

pH	8.97	pH Units	1	B2K0919	HJD	11/09/2022	11/10/2022
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Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Ensolum

11049 W 44th Avenue, Suite 103

Wheat Ridge CO 80033

Jeremy Pike

Project Number: [none]

Project: Dawson A1

**SS7@15'**

**11/1/2022 12:40:00PM**

Analyte	Result	Reporting	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
		Limit							

**Origins Laboratory, Inc.**

**Y211035-04 (Soil)**

**pH in Soil by 9045D**

pH	8.86	pH Units	1	B2K0919	HJD	11/09/2022	11/10/2022
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Origins Laboratory, Inc.



*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.*

Ensolum  
11049 W 44th Avenue, Suite 103  
Wheat Ridge CO 80033

Jeremy Pike  
Project Number: [none]  
Project: Dawson A1

SS14@1'

11/1/2022 12:45:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y211035-05 (Soil)**

**DRO/ORO by EPA 8015D**

Diesel (C10-C28)	42.1	25.0	mg/kg	1	B2K0203	ADM	11/02/2022	11/04/2022	
Residual Range Organics (C28-C40)	169	100	"	"	"	ADM	"	"	

Surrogate: o-Terphenyl	102 %	50-150			"	"	"	
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**GBTEX+TMBs by 8260D**

Gasoline Range Hydrocarbons	ND	0.200	mg/kg	1	B2K0335	ZZZ	11/03/2022	11/09/2022	U
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Surrogate: 1,2-Dichloroethane-d4	105 %	70-130			"	"	"	
Surrogate: Toluene-d8	101 %	70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	104 %	70-130			"	"	"	

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Ensolum  
11049 W 44th Avenue, Suite 103  
Wheat Ridge CO 80033

Jeremy Pike  
Project Number: [none]  
Project: Dawson A1

SS15@1'

11/1/2022 12:50:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y211035-06 (Soil)**

**DRO/ORO by EPA 8015D**

Diesel (C10-C28)	55.9	25.0	mg/kg	1	B2K0203	ADM	11/02/2022	11/04/2022	
Residual Range Organics (C28-C40)	237	100	"	"	"	ADM	"	"	

Surrogate: o-Terphenyl	96.8 %	50-150			"		"	"	
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**GBTEX+TMBs by 8260D**

Gasoline Range Hydrocarbons	ND	0.200	mg/kg	1	B2K0335	ZZZ	11/03/2022	11/09/2022	U
-----------------------------	----	-------	-------	---	---------	-----	------------	------------	---

Surrogate: 1,2-Dichloroethane-d4	111 %	70-130			"		"	"	
Surrogate: Toluene-d8	100 %	70-130			"		"	"	
Surrogate: 4-Bromofluorobenzene	107 %	70-130			"		"	"	

Origins Laboratory, Inc.



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Ensolum  
11049 W 44th Avenue, Suite 103  
Wheat Ridge CO 80033

Jeremy Pike  
Project Number: [none]  
Project: Dawson A1

SS16@1'

11/1/2022 12:55:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y211035-07 (Soil)**

**DRO/ORO by EPA 8015D**

Diesel (C10-C28)	175	25.0	mg/kg	1	B2K0203	ADM	11/02/2022	11/04/2022	
Residual Range Organics (C28-C40)	466	100	"	"	"	ADM	"	"	

Surrogate: o-Terphenyl 101 % 50-150 " " "

**GBTEX+TMBs by 8260D**

Gasoline Range Hydrocarbons	ND	0.200	mg/kg	1	B2K0335	ZZZ	11/03/2022	11/09/2022	U
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Surrogate: 1,2-Dichloroethane-d4 110 % 70-130 " " "  
Surrogate: Toluene-d8 101 % 70-130 " " "  
Surrogate: 4-Bromofluorobenzene 107 % 70-130 " " "

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Ensolum  
11049 W 44th Avenue, Suite 103  
Wheat Ridge CO 80033

Jeremy Pike  
Project Number: [none]  
Project: Dawson A1

SS17@1'

11/1/2022 1:00:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y211035-08 (Soil)**

**DRO/ORO by EPA 8015D**

Diesel (C10-C28)	ND	25.0	mg/kg	1	B2K0203	ADM	11/02/2022	11/04/2022	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	ADM	"	"	U

Surrogate: o-Terphenyl 94.9 % 50-150 " "

**GBTEX+TMBs by 8260D**

Gasoline Range Hydrocarbons	ND	0.200	mg/kg	1	B2K0335	ZZZ	11/03/2022	11/09/2022	U
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Surrogate: 1,2-Dichloroethane-d4 107 % 70-130 " "  
Surrogate: Toluene-d8 101 % 70-130 " "  
Surrogate: 4-Bromofluorobenzene 104 % 70-130 " "

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Ensolum

11049 W 44th Avenue, Suite 103

Wheat Ridge CO 80033

Jeremy Pike

Project Number: [none]

Project: Dawson A1

BG05@2'

11/1/2022 1:05:00PM

Analyte	Result	Reporting	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
		Limit							

Origins Laboratory, Inc.

Y211035-09 (Soil)

## pH in Soil by 9045D

pH	8.23	pH Units	1	B2K0218	HJD	11/02/2022	11/03/2022
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Origins Laboratory, Inc.



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Ensolum

11049 W 44th Avenue, Suite 103

Wheat Ridge CO 80033

Jeremy Pike

Project Number: [none]

Project: Dawson A1

BG05@5'

11/1/2022 1:10:00PM

Analyte	Result	Reporting	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
		Limit							

Origins Laboratory, Inc.

Y211035-10 (Soil)

## pH in Soil by 9045D

pH	8.36	pH Units	1	B2K0218	HJD	11/02/2022	11/03/2022
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Origins Laboratory, Inc.



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Ensolum

11049 W 44th Avenue, Suite 103

Wheat Ridge CO 80033

Jeremy Pike

Project Number: [none]

Project: Dawson A1

BG05@10'

11/1/2022 1:15:00PM

Analyte	Result	Reporting	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
		Limit							

Origins Laboratory, Inc.

Y211035-11 (Soil)

## pH in Soil by 9045D

pH	8.43	pH Units	1	B2K0218	HJD	11/02/2022	11/03/2022
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Origins Laboratory, Inc.



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Ensolum  
11049 W 44th Avenue, Suite 103  
Wheat Ridge CO 80033

Jeremy Pike  
Project Number: [none]  
Project: Dawson A1

Extractable Petroleum Hydrocarbons by 8015D - Quality Control  
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B2K0203 - EPA 3580										
Blank (B2K0203-BLK1)					Prepared: 11/02/2022 Analyzed: 11/04/2022					
Diesel (C10-C28)	ND	25.0	mg/kg							U
Residual Range Organics (C28-C40)	ND	100	"							U
Surrogate: o-Terphenyl	26		"	24.9		106	50-150			

Origins Laboratory, Inc.



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Ensolum

11049 W 44th Avenue, Suite 103

Wheat Ridge CO 80033

Jeremy Pike

Project Number: [none]

Project: Dawson A1

## Extractable Petroleum Hydrocarbons by 8015D - 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 B2K0203 - EPA 3580

### LCS (B2K0203-BS1)

Prepared: 11/02/2022 Analyzed: 11/04/2022

Diesel (C10-C28)	990	50.0	mg/kg	1000		99.0	70-130			
Residual Range Organics (C28-C40)	1030	200	"	1000		103	70-130			
Surrogate: o-Terphenyl	51		"	49.8		102	50-150			

Origins Laboratory, Inc.



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Ensolum  
11049 W 44th Avenue, Suite 103  
Wheat Ridge CO 80033

Jeremy Pike  
Project Number: [none]  
Project: Dawson A1

## Extractable Petroleum Hydrocarbons by 8015D - 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 B2K0203 - EPA 3580

Matrix Spike (B2K0203-MS1)		Source: Y211012-01			Prepared: 11/02/2022 Analyzed: 11/04/2022					
Diesel (C10-C28)	954	50.0	mg/kg	1000	ND	95.4	70-130			
Residual Range Organics (C28-C40)	1050	200	"	1000	ND	105	70-130			
Surrogate: o-Terphenyl	47		"	49.8		95.1	50-150			

Origins Laboratory, Inc.



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Ensolum  
11049 W 44th Avenue, Suite 103  
Wheat Ridge CO 80033

Jeremy Pike  
Project Number: [none]  
Project: Dawson A1

**Extractable Petroleum Hydrocarbons by 8015D - 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 B2K0203 - EPA 3580**

Matrix Spike Dup (B2K0203-MSD1)		Source: Y211012-01			Prepared: 11/02/2022 Analyzed: 11/04/2022					
Diesel (C10-C28)	1030	50.0	mg/kg	1000	ND	103	70-130	7.52	35	
Residual Range Organics (C28-C40)	1080	200	"	1000	ND	108	70-130	3.00	35	
Surrogate: o-Terphenyl	48		"	49.8		97.0	50-150			

Origins Laboratory, Inc.



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Ensolum  
11049 W 44th Avenue, Suite 103  
Wheat Ridge CO 80033

Jeremy Pike  
Project Number: [none]  
Project: Dawson A1

## Extractable Petroleum Hydrocarbons by 8015D - Quality Control

### Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B2K0335 - EPA 5030 (soil)										
Blank (B2K0335-BLK1)					Prepared: 11/03/2022 Analyzed: 11/08/2022					
1,2,4-Trimethylbenzene	ND	0.00200	mg/kg							U
1,3,5-Trimethylbenzene	ND	0.00200	"							U
Benzene	ND	0.00200	"							U
Ethylbenzene	ND	0.00200	"							U
Naphthalene	ND	0.00380	"							U
Toluene	ND	0.00200	"							U
Xylenes, total	ND	0.00200	"							U
Gasoline Range Hydrocarbons	ND	0.200	"							U
Surrogate: 1,2-Dichloroethane-d4	0.13		"	0.125	105		70-130			
Surrogate: Toluene-d8	0.12		"	0.125	99.8		70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125	102		70-130			

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Ensolum  
11049 W 44th Avenue, Suite 103  
Wheat Ridge CO 80033

Jeremy Pike  
Project Number: [none]  
Project: Dawson A1

**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
<b>Batch B2K0335 - EPA 5030 (soil)</b>										
<b>LCS (B2K0335-BS1)</b>					Prepared: 11/03/2022 Analyzed: 11/08/2022					
1,2,4-Trimethylbenzene	0.116	0.00200	mg/kg	0.100		116	70-130			
1,3,5-Trimethylbenzene	0.113	0.00200	"	0.100		113	70-130			
Benzene	0.100	0.00200	"	0.100		100	70-130			
Ethylbenzene	0.119	0.00200	"	0.100		119	70-130			
Naphthalene	0.102	0.00380	"	0.100		102	70-130			
Toluene	0.107	0.00200	"	0.100		107	70-130			
o-Xylene	0.118	0.00200	"	0.100		118	70-130			
m,p-Xylene	0.221	0.00400	"	0.200		111	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		99.9	70-130			
Surrogate: Toluene-d8	0.13		"	0.125		103	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		102	70-130			

Origins Laboratory, Inc.



*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.*

Ensolum  
11049 W 44th Avenue, Suite 103  
Wheat Ridge CO 80033

Jeremy Pike  
Project Number: [none]  
Project: Dawson A1

## 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 B2K0335 - EPA 5030 (soil)

Matrix Spike (B2K0335-MS1)		Source: Y211016-01			Prepared: 11/03/2022 Analyzed: 11/08/2022					
1,2,4-Trimethylbenzene	0.0794	0.00200	mg/kg	0.100	ND	79.4	70-130			
1,3,5-Trimethylbenzene	0.0770	0.00200	"	0.100	ND	77.0	70-130			
Benzene	0.0835	0.00200	"	0.100	ND	83.5	70-130			
Ethylbenzene	0.0893	0.00200	"	0.100	ND	89.3	70-130			
Naphthalene	0.0842	0.00380	"	0.100	ND	84.2	70-130			
Toluene	0.0827	0.00200	"	0.100	ND	82.7	70-130			
o-Xylene	0.0877	0.00200	"	0.100	ND	87.7	70-130			
m,p-Xylene	0.164	0.00400	"	0.200	ND	82.2	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.13		"	0.125		106	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		99.0	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		101	70-130			

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Ensolum  
11049 W 44th Avenue, Suite 103  
Wheat Ridge CO 80033

Jeremy Pike  
Project Number: [none]  
Project: Dawson A1

## 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
Batch B2K0335 - EPA 5030 (soil)										
Matrix Spike Dup (B2K0335-MSD1)		Source: Y211016-01			Prepared: 11/03/2022 Analyzed: 11/08/2022					
1,2,4-Trimethylbenzene	0.0988	0.00200	mg/kg	0.100	ND	98.8	70-130	21.8	20	QR-02
1,3,5-Trimethylbenzene	0.0966	0.00200	"	0.100	ND	96.6	70-130	22.6	20	QR-02
Benzene	0.0977	0.00200	"	0.100	ND	97.7	70-130	15.7	20	
Ethylbenzene	0.108	0.00200	"	0.100	ND	108	70-130	18.8	20	
Naphthalene	0.0979	0.00380	"	0.100	ND	97.9	70-130	15.0	20	
Toluene	0.0982	0.00200	"	0.100	ND	98.2	70-130	17.2	20	
o-Xylene	0.106	0.00200	"	0.100	ND	106	70-130	19.0	20	
m,p-Xylene	0.200	0.00400	"	0.200	ND	100	70-130	19.7	20	
Surrogate: 1,2-Dichloroethane-d4	0.13		"	0.125		103	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		97.3	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		102	70-130			

Origins Laboratory, Inc.



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Ensolum  
11049 W 44th Avenue, Suite 103  
Wheat Ridge CO 80033

Jeremy Pike  
Project Number: [none]  
Project: Dawson A1

## 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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## Saturated Paste - 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 B2K0218 - Saturated Paste Metals

**Duplicate (B2K0218-DUP1)**      **Source: Y211020-01**      Prepared: 11/02/2022 Analyzed: 11/03/2022

pH	8.19		pH Units	8.25		0.730	25
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#### Batch B2K0919 - Saturated Paste pH/EC

**Duplicate (B2K0919-DUP1)**      **Source: Y211213-01**      Prepared: 11/09/2022 Analyzed: 11/10/2022

pH	7.70		pH Units	7.83		1.67	25
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Ensolum

11049 W 44th Avenue, Suite 103

Wheat Ridge CO 80033

Jeremy Pike

Project Number: [none]

Project: Dawson A1

### Notes and Definitions

U Sample is Non-Detect.

QR-02 The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

All soil results are reported at a wet weight basis.

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