



June 01, 2022

Entrada Consulting Group

Jeremy Pike

330 Grand Ave. Unit C

Grand Junction CO 81501

Project Name - HSR - Eppinger 6-1

Project Number - -

Attached are your analytical results for HSR - Eppinger 6-1 received by Origins Laboratory, Inc. May 20, 2022. This project is associated with Origins project number Y205556-01.

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

Entrada Consulting Group

330 Grand Ave. Unit C

Grand Junction CO 81501

Jeremy Pike

Project Number: -

Project: HSR - Eppinger 6-1

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SS7-7	Y205556-01	Soil	May 20, 2022 13:00	05/20/2022 16:00
BG1-1	Y205556-02	Soil	May 20, 2022 14:45	05/20/2022 16:00
BG1-3	Y205556-03	Soil	May 20, 2022 14:50	05/20/2022 16:00
BG2-1	Y205556-04	Soil	May 20, 2022 14:55	05/20/2022 16:00
BG2-3	Y205556-05	Soil	May 20, 2022 15:00	05/20/2022 16:00

Origins Laboratory, Inc.



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Entrada Consulting Group

330 Grand Ave. Unit C

Grand Junction CO 81501

Jeremy Pike

Project Number: -

Project: HSR - Eppinger 6-1

Origins Laboratory

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

Sample Receipt Checklist

Origins Work Order: 4705556 Client: Entrada
Client Project ID: HSR Eppinger 6-1

Checklist Completed by: OKH Shipped Via: TD
(UPS, FedEx, Hand Delivered, Pick-up, etc.)
Date/time completed: 5/23/22 Airbill #: 25A

Matrix(s) Received: (Check all that apply): / Soil/Solid / Water / Other: _____

Cooler Number/Temperature: 1 / 16.7 °C / °C / °C (Describe) _____

Thermometer ID: 1004

Requirement Description	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature between 0°C to ≤ 6°C ⁽¹⁾ ?		<u>/</u>		<u>same day</u>
Is there ice present (document if blue ice is used)	<u>/</u>			
Are custody seals present on cooler? (if so, document in comments if they are signed and dated, broken or intact)		<u>/</u>		
Are custody seals present on each sample container? (if so, document in comments if they are signed and dated, broken or intact)		<u>/</u>		
Were all samples received intact ⁽¹⁾ ?	<u>/</u>			
Was adequate sample volume provided ⁽¹⁾ ?	<u>/</u>			
Are short holding time analytes or samples with HTs due within 48 hours present ⁽¹⁾ ?		<u>/</u>		
Is a chain-of-custody (COC) present and filled out completely ⁽¹⁾ ?	<u>/</u>			
Does the COC agree with the number and type of sample bottles received ⁽¹⁾ ?	<u>/</u>			
Do the sample IDs on the bottle labels match the COC ⁽¹⁾ ?	<u>/</u>			
Is the COC properly relinquished by the client with date and time recorded ⁽¹⁾ ?	<u>/</u>			
For volatiles in water – is there headspace (> ¼ inch bubble) present? If yes, contact client and note in narrative.			<u>/</u>	
Are samples preserved that require preservation and was it checked ⁽¹⁾ ? (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 ₃ , HCL, H ₂ SO ₄) / (pH > 10 for samples preserved with NaAsO ₂ +NaOH, ZnAc+NaOH)			<u>/</u>	
Additional Comments (if any):				

⁽¹⁾ 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: JP (Project Manager) Date/Time Reviewed: 5-23-22

Origins Laboratory, Inc.

J. Bynon

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Entrada Consulting Group
330 Grand Ave. Unit C
Grand Junction CO 81501

Jeremy Pike
Project Number: -
Project: HSR - Eppinger 6-1

SS7-7

5/20/2022 1:00:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y205556-01 (Soil)

Boron (DTPA Sorbitol)

Boron	0.182	0.101	mg/L	1	B2E2406	05/24/2022	05/25/2022
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	6980	250	mg/kg	10	B2E2302	05/23/2022	05/24/2022
Residual Range Organics (C28-C40)	2330	100	"	1	"	"	05/24/2022

Surrogate: o-Terphenyl	128 %	50-150	"	"	"
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GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	98.1	0.500	mg/kg	250	B2E2022	05/20/2022	05/23/2022
1,3,5-Trimethylbenzene	55.7	0.500	"	"	"	"	"
Benzene	ND	0.00200	"	1	"	"	05/23/2022 U
Ethylbenzene	3.83	0.0500	"	25	"	"	05/23/2022
Toluene	2.56	0.0500	"	"	"	"	"
Xylenes, total	359	1.00	"	500	"	"	05/23/2022
Gasoline Range Hydrocarbons	1890	100	"	"	"	"	"

Surrogate: 1,2-Dichloroethane-d4	98.8 %	70-130	"	"	"
Surrogate: Toluene-d8	115 %	70-130	"	"	"
Surrogate: 4-Bromofluorobenzene	100 %	70-130	"	"	"

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Jeremy Pike

Project Number: -

Project: HSR - Eppinger 6-1

SS7-7

5/20/2022 1:00:00PM

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

Y205556-01 (Soil)

Metals by Saturated Paste by EPA 6010

Calcium	11.3	0.499	meq/L	10	[CALC]	05/24/2022	05/25/2022
Magnesium	6.90	0.823	"	"	"	"	"
Sodium	4.13	0.435	"	"	"	"	"

PAH by 8270D SIM

1-Methylnaphthalene	ND	0.00364	0.0067	mg/Kg	10	L618305	05/26/2022	05/26/2022
2-Methylnaphthalene	ND	0.00645	0.0067	"	"	"	"	"
Acenaphthene	0.374	0.00304	0.0067	"	"	"	"	"
Anthracene	0.0275	0.00334	0.0067	"	"	"	"	"
Benzo(a)anthracene	0.0499	0.00493	0.0067	"	"	"	"	"
Benzo(a)pyrene	0.028	0.00468	0.0067	"	"	"	"	"
Benzo(b)fluoranthene	0.0236	0.00585	0.0067	"	"	"	"	"
Benzo(k)fluoranthene	0.031	0.00437	0.0067	"	"	"	"	"
Chrysene	0.318	0.00624	0.0067	"	"	"	"	"
Dibenz(a,h)anthracene	0.0157	0.00614	0.0067	"	"	"	"	"
Fluoranthene	0.0305	0.00394	0.0067	"	"	"	"	"
Fluorene	1.25	0.00286	0.0067	"	"	"	"	"
Indeno(1,2,3-cd)pyrene	0.0153	0.00627	0.0067	"	"	"	"	"
Naphthalene	2.22	0.00484	0.0067	"	"	"	"	"
Pyrene	0.132	0.00643	0.0067	"	"	"	"	"

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SS7-7

5/20/2022 1:00:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, Inc.

Y205556-01 (Soil)

PAH by 8270D SIM

Surrogate: 2-Fluorobiphenyl	51.5 %		33-115			L6183 05	05/26/2022	05/26/2022	
Surrogate: 4-Terphenyl-d14	56.3 %		33-122			"	"	"	
Surrogate: Nitrobenzene-d5	90.4 %		29-110			"	"	"	

pH in Soil by 9045D

pH	7.54			pH Units	1	B2E2408	05/24/2022	05/25/2022	
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SAR by 20B Saturated Paste

SAR	1.37			SAR	1	B2E2403	05/24/2022	05/25/2022	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	2.66		0.00500	mmhos/cm	1	B2E2408	05/24/2022	05/25/2022	
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Total Metals by 6020B

Arsenic	3.16	0.0855	0.25	mg/Kg	5	L618116	05/25/2022	05/26/2022	
Barium	179	0.042	0.25	"	"	"	"	"	
Cadmium	0.222	0.0259	0.25	"	"	"	"	"	J
Copper	11.3	0.0806	0.25	"	"	"	"	"	
Lead	10.5	0.031	0.25	"	"	"	"	"	
Nickel	13.5	0.0633	0.25	"	"	"	"	"	
Selenium	0.433	0.103	0.25	"	"	"	"	"	

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Project Number: -

Project: HSR - Eppinger 6-1

SS7-7**5/20/2022 1:00:00PM**

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, Inc.**Y205556-01 (Soil)****Total Metals by 6020B**

Silver	0.0485	0.0067	0.25	mg/Kg	5	L618116	05/25/2022	05/26/2022	J
Zinc	43.9	0.534	2.5	"	"	"	"	"	

Total Metals by 7196A

Chromium, Hexavalent	ND	0.244	0.5	mg/Kg	1	L618817	05/20/2022	05/31/2022	
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Project Number: -

Project: HSR - Eppinger 6-1

BG1-1**5/20/2022 2:45:00PM**

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.**Y205556-02 (Soil)****Boron (DTPA Sorbitol)**

Boron	ND	0.0989	mg/L	1	B2E2406	05/24/2022	05/25/2022
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Metals by Saturated Paste by EPA 6010

Calcium	1.49	0.499	meq/L	10	[CALC]	05/24/2022	05/25/2022
Magnesium	ND	0.823	"	"	"	"	"
Sodium	ND	0.435	"	"	"	"	"

pH in Soil by 9045D

pH	8.27		pH Units	1	B2E2408	05/24/2022	05/25/2022
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SAR by 20B Saturated Paste

SAR	0.210		SAR	1	B2E2403	05/24/2022	05/25/2022
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.267	0.00500	mmhos/cm	1	B2E2408	05/24/2022	05/25/2022
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Total Metals by 6020B

Arsenic	1.58	0.0855	0.25	mg/Kg	5	L618116	05/25/2022	05/26/2022
Barium	54.1	0.042	0.25	"	"	"	"	"
Selenium	0.432	0.103	0.25	"	"	"	"	"

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Project Number: -

Project: HSR - Eppinger 6-1

BG1-3

5/20/2022 2:50:00PM

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

Y205556-03 (Soil)

Boron (DTPA Sorbitol)

Boron	ND	0.0999	mg/L	1	B2E2406	05/24/2022	05/25/2022
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Metals by Saturated Paste by EPA 6010

Calcium	1.85	0.499	meq/L	10	[CALC]	05/24/2022	05/25/2022
Magnesium	ND	0.823	"	"	"	"	"
Sodium	ND	0.435	"	"	"	"	"

pH in Soil by 9045D

pH	8.22		pH Units	1	B2E2408	05/24/2022	05/25/2022
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SAR by 20B Saturated Paste

SAR	0.105		SAR	1	B2E2403	05/24/2022	05/25/2022
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.268	0.00500	mmhos/cm	1	B2E2408	05/24/2022	05/25/2022
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Total Metals by 6020B

Arsenic	2.26	0.0855	0.25	mg/Kg	5	L618116	05/25/2022	05/26/2022
Barium	90.5	0.042	0.25	"	"	"	"	"
Selenium	0.343	0.103	0.25	"	"	"	"	"

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330 Grand Ave. Unit C

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Project Number: -

Project: HSR - Eppinger 6-1

BG2-1

5/20/2022 2:55:00PM

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

Y205556-04 (Soil)

Boron (DTPA Sorbitol)

Boron	0.240	0.100	mg/L	1	B2E2406	05/24/2022	05/25/2022
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Metals by Saturated Paste by EPA 6010

Calcium	3.71	0.499	meq/L	10	[CALC]	05/24/2022	05/25/2022
Magnesium	1.65	0.823	"	"	"	"	"
Sodium	1.72	0.435	"	"	"	"	"

pH in Soil by 9045D

pH	7.88	pH Units	1	B2E2409	05/24/2022	05/25/2022
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SAR by 20B Saturated Paste

SAR	1.05	SAR	1	B2E2404	05/24/2022	05/25/2022
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.820	0.00500	mmhos/cm	1	B2E2409	05/24/2022	05/25/2022
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Total Metals by 6020B

Arsenic	1.51	0.0855	0.25	mg/Kg	5	L618116	05/25/2022	05/26/2022
Barium	63.1	0.042	0.25	"	"	"	"	"
Selenium	0.316	0.103	0.25	"	"	"	"	"

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330 Grand Ave. Unit C

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Jeremy Pike

Project Number: -

Project: HSR - Eppinger 6-1

BG2-3

5/20/2022 3:00:00PM

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

Y205556-05 (Soil)

Boron (DTPA Sorbitol)

Boron	ND	0.0996	mg/L	1	B2E2406	05/24/2022	05/25/2022
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Metals by Saturated Paste by EPA 6010

Calcium	2.25	0.499	meq/L	10	[CALC]	05/24/2022	05/25/2022
Magnesium	ND	0.823	"	"	"	"	"
Sodium	ND	0.435	"	"	"	"	"

pH in Soil by 9045D

pH	8.12		pH Units	1	B2E2409	05/24/2022	05/25/2022
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SAR by 20B Saturated Paste

SAR	0.0543		SAR	1	B2E2404	05/24/2022	05/25/2022
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.338	0.00500	mmhos/cm	1	B2E2409	05/24/2022	05/25/2022
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Total Metals by 6020B

Arsenic	1.88	0.0855	0.25	mg/Kg	5	L618116	05/25/2022	05/26/2022
Barium	72.2	0.042	0.25	"	"	"	"	"
Selenium	0.309	0.103	0.25	"	"	"	"	"

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330 Grand Ave. Unit C
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Jeremy Pike
Project Number: -
Project: HSR - Eppinger 6-1

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 B2E2022 - EPA 5030 (soil)										
Blank (B2E2022-BLK1)					Prepared: 05/20/2022 Analyzed: 05/23/2022					
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		99.5	70-130			
Surrogate: Toluene-d8	0.13		"	0.125		102	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		94.7	70-130			

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B2E2022 - EPA 5030 (soil)

LCS (B2E2022-BS1)

Prepared: 05/20/2022 Analyzed: 05/23/2022

1,2,4-Trimethylbenzene	0.106	0.00200	mg/kg	0.100		106	70-130			
1,3,5-Trimethylbenzene	0.105	0.00200	"	0.100		105	70-130			
Benzene	0.105	0.00200	"	0.100		105	70-130			
Ethylbenzene	0.108	0.00200	"	0.100		108	70-130			
Naphthalene	0.105	0.0100	"	0.100		105	70-130			
Toluene	0.107	0.00200	"	0.100		107	70-130			
o-Xylene	0.105	0.00200	"	0.100		105	70-130			
m,p-Xylene	0.220	0.00400	"	0.200		110	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125	98.8		70-130			
Surrogate: Toluene-d8	0.12		"	0.125	96.1		70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125	104		70-130			

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B2E2022 - EPA 5030 (soil)

Matrix Spike (B2E2022-MS1)		Source: Y205530-01			Prepared: 05/20/2022 Analyzed: 05/23/2022					
1,2,4-Trimethylbenzene	0.0901	0.00200	mg/kg	0.100	ND	90.1	70-130			
1,3,5-Trimethylbenzene	0.0900	0.00200	"	0.100	ND	90.0	70-130			
Benzene	0.0933	0.00200	"	0.100	ND	93.3	70-130			
Ethylbenzene	0.0941	0.00200	"	0.100	ND	94.1	70-130			
Naphthalene	0.0964	0.0100	"	0.100	ND	96.4	70-130			
Toluene	0.0934	0.00200	"	0.100	ND	93.4	70-130			
o-Xylene	0.0929	0.00200	"	0.100	ND	92.9	70-130			
m,p-Xylene	0.193	0.00400	"	0.200	ND	96.5	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.13		"	0.125		100	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		96.6	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		104	70-130			

Origins Laboratory, Inc.



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Entrada Consulting Group

330 Grand Ave. Unit C

Grand Junction CO 81501

Jeremy Pike

Project Number: -

Project: HSR - Eppinger 6-1

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 B2E2022 - EPA 5030 (soil)

Matrix Spike Dup (B2E2022-MSD1)		Source: Y205530-01			Prepared: 05/20/2022 Analyzed: 05/23/2022					
1,2,4-Trimethylbenzene	0.0974	0.00200	mg/kg	0.100	ND	97.4	70-130	7.81	20	
1,3,5-Trimethylbenzene	0.0978	0.00200	"	0.100	ND	97.8	70-130	8.30	20	
Benzene	0.0970	0.00200	"	0.100	ND	97.0	70-130	3.93	20	
Ethylbenzene	0.0998	0.00200	"	0.100	ND	99.8	70-130	5.90	20	
Naphthalene	0.110	0.0100	"	0.100	ND	110	70-130	13.1	20	
Toluene	0.0965	0.00200	"	0.100	ND	96.5	70-130	3.27	20	
o-Xylene	0.0987	0.00200	"	0.100	ND	98.7	70-130	6.07	20	
m,p-Xylene	0.203	0.00400	"	0.200	ND	102	70-130	5.26	20	
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		99.5	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		94.9	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		107	70-130			

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Entrada Consulting Group

330 Grand Ave. Unit C

Grand Junction CO 81501

Jeremy Pike

Project Number: -

Project: HSR - Eppinger 6-1

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 B2E2302 - EPA 3550B

Blank (B2E2302-BLK1)

Prepared: 05/23/2022 Analyzed: 05/24/2022

Diesel (C10-C28)	ND	25.0	mg/kg							U
Residual Range Organics (C28-C40)	ND	100	"							U
Surrogate: o-Terphenyl	25		"	24.9		99.9	50-150			

Origins Laboratory, Inc.



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Entrada Consulting Group

330 Grand Ave. Unit C

Grand Junction CO 81501

Jeremy Pike

Project Number: -

Project: HSR - Eppinger 6-1

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 B2E2302 - EPA 3550B

LCS (B2E2302-BS1)

Prepared: 05/23/2022 Analyzed: 05/23/2022

Diesel (C10-C28)	1090	50.0	mg/kg	1000		109	70-130			
Residual Range Organics (C28-C40)	1090	200	"	1000		109	70-130			
Surrogate: o-Terphenyl	61		"	49.8		122	50-150			

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Entrada Consulting Group

330 Grand Ave. Unit C

Grand Junction CO 81501

Jeremy Pike

Project Number: -

Project: HSR - Eppinger 6-1

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 B2E2302 - EPA 3550B

Matrix Spike (B2E2302-MS1)		Source: Y205531-01			Prepared: 05/23/2022 Analyzed: 05/24/2022					
Diesel (C10-C28)	1000	50.0	mg/kg	1000	ND	100	70-130			
Residual Range Organics (C28-C40)	1000	200	"	1000	ND	100	70-130			
Surrogate: o-Terphenyl	47		"	49.8		94.0	50-150			

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Entrada Consulting Group

330 Grand Ave. Unit C

Grand Junction CO 81501

Jeremy Pike

Project Number: -

Project: HSR - Eppinger 6-1

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 B2E2302 - EPA 3550B

Matrix Spike Dup (B2E2302-MSD1)		Source: Y205531-01			Prepared: 05/23/2022 Analyzed: 05/24/2022					
Diesel (C10-C28)	1170	50.0	mg/kg	1000	ND	117	70-130	16.0	35	
Residual Range Organics (C28-C40)	1200	200	"	1000	ND	120	70-130	18.5	35	
Surrogate: o-Terphenyl	55		"	49.8		110	50-150			

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Entrada Consulting Group

330 Grand Ave. Unit C

Grand Junction CO 81501

Jeremy Pike

Project Number: -

Project: HSR - Eppinger 6-1

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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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 B2E2408 - NO PREP

Blank (B2E2408-BLK1)

Prepared: 05/24/2022 Analyzed: 05/25/2022

Specific Conductance (EC) 0.00110 0.0300 mmhos/cm
pH 0.00 pH Units

Duplicate (B2E2408-DUP1)

Source: Y205554-04

Prepared: 05/24/2022 Analyzed: 05/25/2022

pH 10.8 pH Units 11.4 5.30 25
Specific Conductance (EC) 0.425 0.0300 mmhos/cm 0.699 48.8 25 QR-DUP

Batch B2E2409 - NO PREP

Blank (B2E2409-BLK1)

Prepared: 05/24/2022 Analyzed: 05/25/2022

pH 0.00 pH Units
Specific Conductance (EC) 0.00110 0.0300 mmhos/cm

Duplicate (B2E2409-DUP1)

Source: Y205556-04

Prepared: 05/24/2022 Analyzed: 05/25/2022

Specific Conductance (EC) 0.674 0.0300 mmhos/cm 0.820 19.6 25
pH 7.80 pH Units 7.88 1.02 25

Origins Laboratory, Inc.



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Entrada Consulting Group
330 Grand Ave. Unit C
Grand Junction CO 81501

Jeremy Pike
Project Number: -
Project: HSR - Eppinger 6-1

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 L618305 - 3550B

MSD (L 96358-MSD-L618305)		Source: 96358			Prepared: 05/26/2022 Analyzed: 05/26/2022					
Fluorene	0.1	0.000286	mg/Kg	0.167	96358	59.8	30-130	1.1	30	
Pyrene	0.118	0.000643	"	0.167	96358	70.6	30-130	1.6	30	
Benzo(a)anthracene	0.105	0.000493	"	0.167	96358	62.8	30-130	2.8	30	
Naphthalene	0.0849	0.000484	"	0.167	96358	50.8	30-130	0.5	30	
Indeno(1,2,3-cd)pyrene	0.167	0.000627	"	0.167	96358	100	30-130	16.8	30	
Benzo(b)fluoranthene	0.111	0.000585	"	0.167	96358	66.4	30-130	4.6	30	
1-Methylnaphthalene	0.0867	0.000364	"	0.167	96358	51.9	30-130	1.5	30	
Fluoranthene	0.121	0.000394	"	0.167	96358	72.4	30-130	1.6	30	
2-Methylnaphthalene	0.0863	0.000645	"	0.167	96358	51.6	30-130	0.6	30	
Acenaphthene	0.104	0.000304	"	0.167	96358	62.2	30-130	1.9	30	
Anthracene	0.112	0.000334	"	0.167	96358	67	30-130	1.8	30	
Benzo(a)pyrene	0.105	0.000468	"	0.167	96358	62.8	30-130	0.9	30	
Benzo(k)fluoranthene	0.0974	0.000437	"	0.167	96358	58.3	30-130	1.1	30	
Chrysene	0.0968	0.000624	"	0.167	96358	57.9	30-130	1.8	30	
Dibenz(a,h)anthracene	0.15	0.000614	"	0.167	96358	89.8	30-130	12.7	30	
Surrogate: Nitrobenzene-d5	49.2		"	0.333	167	49.2	29-110			
Surrogate: 2-Fluorobiphenyl	51.9		"	0.333	183	51.9	33-115			
Surrogate: 4-Terphenyl-d14	78.6		"	0.333	250	78.6	33-122			

MS (L 96358-MS-L618305)		Source: 96358			Prepared: 05/26/2022 Analyzed: 05/26/2022					
1-Methylnaphthalene	0.0854	0.000364	mg/Kg	0.164	96358	52	30-130			
2-Methylnaphthalene	0.0857	0.000645	"	0.164	96358	52.2	30-130			
Acenaphthene	0.102	0.000304	"	0.164	96358	62.1	30-130			
Anthracene	0.11	0.000334	"	0.164	96358	67	30-130			
Benzo(a)anthracene	0.108	0.000493	"	0.164	96358	65.8	30-130			
Fluoranthene	0.123	0.000394	"	0.164	96358	75	30-130			
Benzo(a)pyrene	0.104	0.000468	"	0.164	96358	63.4	30-130			

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Entrada Consulting Group
330 Grand Ave. Unit C
Grand Junction CO 81501

Jeremy Pike
Project Number: -
Project: HSR - Eppinger 6-1

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 L618305 - 3550B

MS (L 96358-MS-L618305)		Source: 96358			Prepared: 05/26/2022 Analyzed: 05/26/2022					
Chrysene	0.0986	0.000624	mg/Kg	0.164	96358	60.1	30-130			
Pyrene	0.12	0.000643	"	0.164	96358	73.1	30-130			
Naphthalene	0.0844	0.000484	"	0.164	96358	51.4	30-130			
Indeno(1,2,3-cd)pyrene	0.141	0.000627	"	0.164	96358	85.9	30-130			
Fluorene	0.0989	0.000286	"	0.164	96358	60.3	30-130			
Dibenz(a,h)anthracene	0.132	0.000614	"	0.164	96358	80.4	30-130			
Benzo(k)fluoranthene	0.0985	0.000437	"	0.164	96358	60	30-130			
Benzo(b)fluoranthene	0.106	0.000585	"	0.164	96358	64.6	30-130			
Surrogate: 2-Fluorobiphenyl	52.5		"	0.329	183	52.5	33-115			
Surrogate: 4-Terphenyl-d14	80.2		"	0.329	250	80.2	33-122			
Surrogate: Nitrobenzene-d5	49.2		"	0.329	167	49.2	29-110			

LCS (LCS-L618305)		Prepared: 05/26/2022 Analyzed: 05/26/2022								
Fluorene	0.0974	0.000286	mg/Kg	0.167		58.3	30-130			
Benzo(b)fluoranthene	0.102	0.000585	"	0.167		61	30-130			
Anthracene	0.108	0.000334	"	0.167		64.6	30-130			
Benzo(a)anthracene	0.1	0.000493	"	0.167		59.8	30-130			
Benzo(a)pyrene	0.0974	0.000468	"	0.167		58.3	30-130			
Benzo(k)fluoranthene	0.0858	0.000437	"	0.167		51.3	30-130			
Chrysene	0.0904	0.000624	"	0.167		54.1	30-130			
1-Methylnaphthalene	0.0847	0.000364	"	0.167		50.7	30-130			
Fluoranthene	0.115	0.000394	"	0.167		68.8	30-130			
2-Methylnaphthalene	0.0855	0.000645	"	0.167		51.1	30-130			
Indeno(1,2,3-cd)pyrene	0.127	0.000627	"	0.167		76	30-130			
Naphthalene	0.083	0.000484	"	0.167		49.7	30-130			
Pyrene	0.11	0.000643	"	0.167		65.8	30-130			
Dibenz(a,h)anthracene	0.116	0.000614	"	0.167		69.4	30-130			

Origins Laboratory, Inc.



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Entrada Consulting Group
330 Grand Ave. Unit C
Grand Junction CO 81501

Jeremy Pike
Project Number: -
Project: HSR - Eppinger 6-1

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 L618305 - 3550B

LCS (LCS-L618305)

Prepared: 05/26/2022 Analyzed: 05/26/2022

Acenaphthene	0.101	0.000304	mg/Kg	0.167		60.4	30-130			
Surrogate: 2-Fluorobiphenyl	60.6		"	0.333		60.6	33-115			
Surrogate: 4-Terphenyl-d14	79.2		"	0.333		79.2	33-122			
Surrogate: Nitrobenzene-d5	52.5		"	0.333		52.5	29-110			

LRB (LRB-L618305)

Prepared: 05/26/2022 Analyzed: 05/26/2022

Acenaphthene	ND	0.00067	mg/Kg				-			
Pyrene	ND	0.00067	"				-			
Fluorene	ND	0.00067	"				-			
Naphthalene	ND	0.00067	"				-			
Indeno(1,2,3-cd)pyrene	ND	0.00067	"				-			
1-Methylnaphthalene	ND	0.00067	"				-			
Anthracene	ND	0.00067	"				-			
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	"				-			
Dibenz(a,h)anthracene	ND	0.00067	"				-			
Fluoranthene	ND	0.00067	"				-			
2-Methylnaphthalene	ND	0.00067	"				-			
Surrogate: 2-Fluorobiphenyl	56.4		"	0.333		56.4	33-115			
Surrogate: 4-Terphenyl-d14	77.1		"	0.333		77.1	33-122			
Surrogate: Nitrobenzene-d5	48.6		"	0.333		48.6	29-110			

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Entrada Consulting Group
330 Grand Ave. Unit C
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Jeremy Pike
Project Number: -
Project: HSR - Eppinger 6-1

Total Metals by 6020B - Quality Control Waypoint Analytical, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch L618116 - 3050B										
MSD (L 97105-MSD-L618116)			Source: 97105		Prepared: 05/25/2022 Analyzed: 05/26/2022					
Barium	162	0.042	mg/Kg	4.78	184	NR	75-125	3.1	80	I*
Copper	22.6	0.0806	"	2.39	22.5	4	75-125	4	80	*
Arsenic	17.9	0.0855	"	2.39	3.27	613	75-125	109	80	*
Cadmium	0.722	0.0259	"	0.478	0.285	92	75-125	0.9	80	
Nickel	18.4	0.0633	"	2.39	18.8	NR	75-125	1	80	*
Selenium	5.28	0.103	"	4.78	0.776	94	75-125	10.1	80	
Silver	0.506	0.0067	"	0.478	0.0485	96	75-125	1.5	80	
Zinc	77	0.534	"	23.9	58	80	75-125	1.8	80	
Lead	15	0.031	"	2.39	10.7	180	75-125	25.5	80	*
MS (L 97105-MS-L618116)			Source: 97105		Prepared: 05/25/2022 Analyzed: 05/26/2022					
Copper	21.7	0.0806	mg/Kg	2.42	22.5	NR	75-125			*
Lead	11.6	0.031	"	2.42	10.7	37	75-125			*
Nickel	18.6	0.0633	"	2.42	18.8	NR	75-125			*
Selenium	4.77	0.103	"	4.85	0.776	82	75-125			
Silver	0.514	0.0067	"	0.485	0.0485	96	75-125			
Cadmium	0.729	0.0259	"	0.485	0.285	92	75-125			
Barium	157	0.042	"	4.85	184	NR	75-125			I*
Arsenic	5.26	0.0855	"	2.42	3.27	82	75-125			
Zinc	75.6	0.534	"	24.2	58	73	75-125			*
LCS (LCS-L618116)			Prepared: 05/25/2022 Analyzed: 05/26/2022							
Arsenic	2.41	0.0855	mg/Kg	2.5		96	80-120			
Selenium	4.47	0.103	"	5		89	80-120			
Silver	0.505	0.0067	"	0.5		101	80-120			
Zinc	23.5	0.534	"	25		94	80-120			
Lead	2.36	0.031	"	2.5		94	80-120			

Origins Laboratory, Inc.



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Entrada Consulting Group
330 Grand Ave. Unit C
Grand Junction CO 81501

Jeremy Pike
Project Number: -
Project: HSR - Eppinger 6-1

Total Metals by 6020B - 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 L618116 - 3050B

LCS (LCS-L618116)

Prepared: 05/25/2022 Analyzed: 05/26/2022

Copper	2.35	0.0806	mg/Kg	2.5		94	80-120			
Nickel	2.41	0.0633	"	2.5		96	80-120			
Barium	4.84	0.042	"	5		97	80-120			
Cadmium	0.477	0.0259	"	0.5		95	80-120			

LRB (LRB-L618116)

Prepared: 05/25/2022 Analyzed: 05/26/2022

Selenium	ND	0.25	mg/Kg				-			
Silver	ND	0.25	"				-			
Nickel	ND	0.25	"				-			
Lead	ND	0.25	"				-			
Copper	ND	0.25	"				-			
Cadmium	ND	0.25	"				-			
Barium	ND	0.25	"				-			
Arsenic	ND	0.25	"				-			
Zinc	ND	2.5	"				-			

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Entrada Consulting Group
330 Grand Ave. Unit C
Grand Junction CO 81501

Jeremy Pike
Project Number: -
Project: HSR - Eppinger 6-1

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
Batch L618817 -										
DUP (L 97057-DUP)		Source: 97057			Prepared: Analyzed: 05/31/2022					
Chromium, Hexavalent	ND	0.244	mg/Kg		97057	-		0	20	
MS (L 97057-MS)		Source: 97057			Prepared: Analyzed: 05/31/2022					
Chromium, Hexavalent	7.15	0.244	mg/Kg	8.04	97057	89	75-125			
LCS (LCS)					Prepared: Analyzed: 05/31/2022					
Chromium, Hexavalent	7.04	0.244	mg/Kg	8		88	75-125			
LRB (LRB)					Prepared: Analyzed: 05/31/2022					
Chromium, Hexavalent	ND	0.5	mg/Kg							

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Entrada Consulting Group

330 Grand Ave. Unit C

Grand Junction CO 81501

Jeremy Pike

Project Number: -

Project: HSR - Eppinger 6-1

Notes and Definitions

U Sample is Non-Detect.

QR-DUP RPD exceeds QC acceptance criteria, this indicates source sample is not homogenous.

J Estimated Value. Analyte below reported quantitation limit.

I* [Undefined]

* 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.

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