

June 02, 2021

Entrada Consulting Group

Ben Baugh

330 Grand Ave. Unit C

Grand Junction CO 81501

Project Name - Pierce Unit Kennedy #3

Project Number - [none]

Attached are your analytical results for Pierce Unit Kennedy #3 received by Origins Laboratory, Inc. May 27, 2021. This project is associated with Origins project number Y105532-01.

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



Entrada Consulting Group

330 Grand Ave. Unit C

Grand Junction CO 81501

Ben Baugh

Project Number: [none]

Project: Pierce Unit Kennedy #3

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SS1-7	Y105532-01	Soil	May 27, 2021 10:20	05/27/2021 13:45
SS2-3	Y105532-02	Soil	May 27, 2021 10:25	05/27/2021 13:45
SS3-3	Y105532-03	Soil	May 27, 2021 10:30	05/27/2021 13:45
SS4-3	Y105532-04	Soil	May 27, 2021 10:55	05/27/2021 13:45
SS5-3	Y105532-05	Soil	May 27, 2021 11:20	05/27/2021 13:45
BG2-7	Y105532-06	Soil	May 27, 2021 10:40	05/27/2021 13:45

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.

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

Ben Baugh
 Project Number: [none]
 Project: Pierce Unit Kennedy #3

Origins Laboratory

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

Sample Receipt Checklist

Origins Work Order: Y105532

Client: Entrada

Client Project ID: Pierce Unit Kennedy 3

Checklist Completed by: JB

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

Date/time completed: 5/27/12

Airbill #: VIA

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

Cooler Number/Temperature: 1, 26.1 °C / _____ °C / _____ °C (Describe) / _____ °C

Thermometer ID: 1003

Requirement Description	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature between 0°C to ≤ 6°C ⁽¹⁾ ?		<input checked="" type="checkbox"/>		<u>Some Day</u>
Is there ice present (document if blue ice is used)	<input checked="" type="checkbox"/>			
Are custody seals present on cooler? (if so, document in comments if they are signed and dated, broken or intact)		<input checked="" type="checkbox"/>		
Are custody seals present on each sample container? (if so, document in comments if they are signed and dated, broken or intact)		<input checked="" type="checkbox"/>		
Were all samples received intact ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Was adequate sample volume provided ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Are short holding time analytes or samples with HTs due within 48 hours present ⁽¹⁾ ?		<input checked="" type="checkbox"/>		
Is a chain-of-custody (COC) present and filled out completely ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Does the COC agree with the number and type of sample bottles received ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Do the sample IDs on the bottle labels match the COC ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Is the COC properly relinquished by the client with date and time recorded ⁽¹⁾ ?	<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 ⁽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)			<input checked="" type="checkbox"/>	
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 (Project Manager) Jm

Date/Time Reviewed 5-28-12

Origins Laboratory, Inc.

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

Ben Baugh
 Project Number: [none]
 Project: Pierce Unit Kennedy #3

SS1-7

5/27/2021 10:20:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y105532-01 (Soil)

DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND		50.0	mg/kg	1	B1E2705	05/27/2021	05/28/2021	U
Residual Range Organics (C28-C40)	ND		200	"	"	"	"	"	U

<i>Surrogate: o-Terphenyl</i>	73.7 %		50-150			"	"	"	
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GBTEX+TMBs

1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B1E2704	05/27/2021	05/27/2021	U
1,3,5-Trimethylbenzene	ND		0.00200	"	"	"	"	"	U
Benzene	ND		0.00200	"	"	"	"	"	U
Ethylbenzene	ND		0.00200	"	"	"	"	"	U
Toluene	ND		0.00200	"	"	"	"	"	U
Gasoline Range Hydrocarbons	ND		0.200	"	"	"	"	"	U
Xylenes, total	ND		0.00200	"	"	"	"	"	U

<i>Surrogate: 1,2-Dichloroethane-d4</i>	94.5 %		70-130			"	"	"	
<i>Surrogate: Toluene-d8</i>	97.5 %		70-130			"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>	99.5 %		70-130			"	"	"	

Metals by Saturated Paste

Origins Laboratory, Inc.



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Entrada Consulting Group

330 Grand Ave. Unit C

Grand Junction CO 81501

Ben Baugh

Project Number: [none]

Project: Pierce Unit Kennedy #3

SS1-7

5/27/2021 10:20:00AM

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

Y105532-01 (Soil)

Metals by Saturated Paste

Calcium	1.12			meq/L	1	[CALC]	05/28/2021	05/28/2021	
Magnesium	0.544			"	"	"	"	"	
Sodium	6.38			"	"	"	"	"	

SAR by 20B Saturated Paste

SAR	7.00			SAR	"	B1E2813	"	"	
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Origins Laboratory, Inc.



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

Ben Baugh
 Project Number: [none]
 Project: Pierce Unit Kennedy #3

SS2-3

5/27/2021 10:25:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y105532-02 (Soil)

DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND		50.0	mg/kg	1	B1E2705	05/27/2021	05/28/2021	U
Residual Range Organics (C28-C40)	ND		200	"	"	"	"	"	U

<i>Surrogate: o-Terphenyl</i>	78.6 %		50-150			"	"	"	
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GBTEX+TMBs

1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B1E2704	05/27/2021	05/27/2021	U
1,3,5-Trimethylbenzene	ND		0.00200	"	"	"	"	"	U
Benzene	ND		0.00200	"	"	"	"	"	U
Ethylbenzene	ND		0.00200	"	"	"	"	"	U
Toluene	ND		0.00200	"	"	"	"	"	U
Gasoline Range Hydrocarbons	ND		0.200	"	"	"	"	"	U
Xylenes, total	ND		0.00200	"	"	"	"	"	U

<i>Surrogate: 1,2-Dichloroethane-d4</i>	95.0 %		70-130			"	"	"	
<i>Surrogate: Toluene-d8</i>	97.9 %		70-130			"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>	98.0 %		70-130			"	"	"	

Metals by Saturated Paste

Origins Laboratory, Inc.



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Entrada Consulting Group

330 Grand Ave. Unit C

Grand Junction CO 81501

Ben Baugh

Project Number: [none]

Project: Pierce Unit Kennedy #3

SS2-3

5/27/2021 10:25:00AM

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

Y105532-02 (Soil)

Metals by Saturated Paste

Calcium	2.40			meq/L	1	[CALC]	05/28/2021	05/28/2021	
Magnesium	0.240			"	"	"	"	"	
Sodium	0.523			"	"	"	"	"	

SAR by 20B Saturated Paste

SAR	0.455			SAR	"	B1E2813	"	"	
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Origins Laboratory, Inc.



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

Ben Baugh
 Project Number: [none]
 Project: Pierce Unit Kennedy #3

SS3-3

5/27/2021 10:30:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y105532-03 (Soil)

DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND		50.0	mg/kg	1	B1E2705	05/27/2021	05/28/2021	U
Residual Range Organics (C28-C40)	ND		200	"	"	"	"	"	U

<i>Surrogate: o-Terphenyl</i>	82.1 %		50-150			"	"	"	
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GBTEX+TMBs

1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B1E2704	05/27/2021	05/27/2021	U
1,3,5-Trimethylbenzene	ND		0.00200	"	"	"	"	"	U
Benzene	ND		0.00200	"	"	"	"	"	U
Ethylbenzene	ND		0.00200	"	"	"	"	"	U
Toluene	ND		0.00200	"	"	"	"	"	U
Gasoline Range Hydrocarbons	ND		0.200	"	"	"	"	"	U
Xylenes, total	ND		0.00200	"	"	"	"	"	U

<i>Surrogate: 1,2-Dichloroethane-d4</i>	95.0 %		70-130			"	"	"	
<i>Surrogate: Toluene-d8</i>	97.9 %		70-130			"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>	98.6 %		70-130			"	"	"	

Metals by Saturated Paste

Origins Laboratory, Inc.



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Entrada Consulting Group

330 Grand Ave. Unit C

Grand Junction CO 81501

Ben Baugh

Project Number: [none]

Project: Pierce Unit Kennedy #3

SS3-3

5/27/2021 10:30:00AM

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

Y105532-03 (Soil)

Metals by Saturated Paste

Calcium	1.50			meq/L	1	[CALC]	05/28/2021	05/28/2021	
Magnesium	0.888			"	"	"	"	"	
Sodium	9.84			"	"	"	"	"	

SAR by 20B Saturated Paste

SAR	9.01			SAR	"	B1E2813	"	"	
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Origins Laboratory, Inc.



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

Ben Baugh
 Project Number: [none]
 Project: Pierce Unit Kennedy #3

SS4-3

5/27/2021 10:55:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y105532-04 (Soil)

DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND		50.0	mg/kg	1	B1E2705	05/27/2021	05/28/2021	U
Residual Range Organics (C28-C40)	ND		200	"	"	"	"	"	U

<i>Surrogate: o-Terphenyl</i>	78.2 %		50-150			"	"	"	
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GBTEX+TMBs

1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B1E2704	05/27/2021	05/27/2021	U
1,3,5-Trimethylbenzene	ND		0.00200	"	"	"	"	"	U
Benzene	ND		0.00200	"	"	"	"	"	U
Ethylbenzene	ND		0.00200	"	"	"	"	"	U
Toluene	ND		0.00200	"	"	"	"	"	U
Gasoline Range Hydrocarbons	ND		0.200	"	"	"	"	"	U
Xylenes, total	ND		0.00200	"	"	"	"	"	U

<i>Surrogate: 1,2-Dichloroethane-d4</i>	96.5 %		70-130			"	"	"	
<i>Surrogate: Toluene-d8</i>	97.4 %		70-130			"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>	99.5 %		70-130			"	"	"	

Metals by Saturated Paste

Origins Laboratory, Inc.



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Entrada Consulting Group

330 Grand Ave. Unit C

Grand Junction CO 81501

Ben Baugh

Project Number: [none]

Project: Pierce Unit Kennedy #3

SS4-3

5/27/2021 10:55:00AM

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

Y105532-04 (Soil)

Metals by Saturated Paste

Calcium	23.4			meq/L	1	[CALC]	05/28/2021	05/28/2021	
Magnesium	14.5			"	"	"	"	"	
Sodium	17.5			"	"	"	"	"	

SAR by 20B Saturated Paste

SAR	4.01			SAR	"	B1E2813	"	"	
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Origins Laboratory, Inc.



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

Ben Baugh
 Project Number: [none]
 Project: Pierce Unit Kennedy #3

SS5-3

5/27/2021 11:20:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y105532-05 (Soil)

DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND		50.0	mg/kg	1	B1E2705	05/27/2021	05/28/2021	U
Residual Range Organics (C28-C40)	ND		200	"	"	"	"	"	U

Surrogate: <i>o</i> -Terphenyl	75.2 %		50-150			"	"	"	
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GBTEX+TMBs

1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B1E2704	05/27/2021	05/27/2021	U
1,3,5-Trimethylbenzene	ND		0.00200	"	"	"	"	"	U
Benzene	ND		0.00200	"	"	"	"	"	U
Ethylbenzene	ND		0.00200	"	"	"	"	"	U
Toluene	ND		0.00200	"	"	"	"	"	U
Gasoline Range Hydrocarbons	ND		0.200	"	"	"	"	"	U
Xylenes, total	ND		0.00200	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4	103 %		70-130			"	"	"	
Surrogate: Toluene-d8	96.7 %		70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	98.4 %		70-130			"	"	"	

Metals by Saturated Paste

Origins Laboratory, Inc.



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Entrada Consulting Group

330 Grand Ave. Unit C

Grand Junction CO 81501

Ben Baugh

Project Number: [none]

Project: Pierce Unit Kennedy #3

SS5-3

5/27/2021 11:20:00AM

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

Y105532-05 (Soil)

Metals by Saturated Paste

Calcium	5.91			meq/L	1	[CALC]	05/28/2021	05/28/2021	
Magnesium	3.17			"	"	"	"	"	
Sodium	10.3			"	"	"	"	"	

SAR by 20B Saturated Paste

SAR	4.83			SAR	"	B1E2813	"	"	
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Origins Laboratory, Inc.



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

Ben Baugh
 Project Number: [none]
 Project: Pierce Unit Kennedy #3

BG2-7

5/27/2021 10:40:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y105532-06 (Soil)

Metals by Saturated Paste

Calcium	2.78			meq/L	1	[CALC]	05/28/2021	05/28/2021	
Magnesium	1.26			"	"	"	"	"	
Sodium	1.29			"	"	"	"	"	

SAR by 20B Saturated Paste

SAR	0.904			SAR	"	B1E2813	"	"	
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Total Metals by 6020B

Selenium	0.18	0.103	0.25	mg/Kg	5	L555767	05/28/2021	06/01/2021	J
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Origins Laboratory, Inc.



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

Ben Baugh
 Project Number: [none]
 Project: Pierce Unit Kennedy #3

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 B1E2704 - EPA 5030 (soil)

Blank (B1E2704-BLK1)

Prepared: 05/27/2021 Analyzed: 05/27/2021

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg							U
Naphthalene	ND	0.00380	"							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	0.12		"	0.125	94.4		70-130			
Surrogate: Toluene-d8	0.12		"	0.125	97.8		70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125	98.0		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.

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

Ben Baugh
 Project Number: [none]
 Project: Pierce Unit Kennedy #3

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 B1E2704 - EPA 5030 (soil)

LCS (B1E2704-BS1)

Prepared: 05/27/2021 Analyzed: 05/27/2021

1,2,4-Trimethylbenzene	0.0524	0.00200	mg/kg	0.0500		105	70-130			
Naphthalene	0.0527	0.0100	"	0.0500		105	70-130			
1,3,5-Trimethylbenzene	0.0522	0.00200	"	0.0500		104	70-130			
Benzene	0.0475	0.00200	"	0.0500		94.9	70-130			
Ethylbenzene	0.0511	0.00200	"	0.0500		102	70-130			
m,p-Xylene	0.102	0.00400	"	0.100		102	70-130			
o-Xylene	0.0498	0.00200	"	0.0500		99.6	70-130			
Toluene	0.0474	0.00200	"	0.0500		94.9	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		95.6	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		98.0	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.

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

Ben Baugh
 Project Number: [none]
 Project: Pierce Unit Kennedy #3

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 B1E2704 - EPA 5030 (soil)

Matrix Spike (B1E2704-MS1)	Source: Y105506-01			Prepared: 05/27/2021 Analyzed: 05/27/2021						
1,2,4-Trimethylbenzene	0.0489	0.00200	mg/kg	0.0500	ND	97.8	70-130			
Naphthalene	0.0455	0.0100	"	0.0500	0.00260	85.8	70-130			
1,3,5-Trimethylbenzene	0.0489	0.00200	"	0.0500	ND	97.8	70-130			
Benzene	0.0492	0.00200	"	0.0500	ND	98.4	70-130			
Ethylbenzene	0.0477	0.00200	"	0.0500	ND	95.3	70-130			
m,p-Xylene	0.0957	0.00400	"	0.100	ND	95.7	70-130			
o-Xylene	0.0463	0.00200	"	0.0500	0.000760	91.1	70-130			
Toluene	0.0485	0.00200	"	0.0500	ND	96.9	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		92.3	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		97.7	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		97.7	70-130			

Origins Laboratory, Inc.



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

Ben Baugh
 Project Number: [none]
 Project: Pierce Unit Kennedy #3

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 B1E2704 - EPA 5030 (soil)

Matrix Spike Dup (B1E2704-MSD1)	Source: Y105506-01			Prepared: 05/27/2021 Analyzed: 05/27/2021						
1,2,4-Trimethylbenzene	0.0554	0.00200	mg/kg	0.0500	ND	111	70-130	12.5	20	
Naphthalene	0.0538	0.0100	"	0.0500	0.00260	102	70-130	16.8	20	
1,3,5-Trimethylbenzene	0.0558	0.00200	"	0.0500	ND	112	70-130	13.2	20	
Benzene	0.0525	0.00200	"	0.0500	ND	105	70-130	6.45	20	
Ethylbenzene	0.0537	0.00200	"	0.0500	ND	107	70-130	12.0	20	
m,p-Xylene	0.108	0.00400	"	0.100	ND	108	70-130	12.2	20	
o-Xylene	0.0525	0.00200	"	0.0500	0.000760	103	70-130	12.5	20	
Toluene	0.0515	0.00200	"	0.0500	ND	103	70-130	6.00	20	
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		92.5	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		96.9	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		100	70-130			

Origins Laboratory, Inc.



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 330 Grand Ave. Unit C
 Grand Junction CO 81501

Ben Baugh
 Project Number: [none]
 Project: Pierce Unit Kennedy #3

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 B1E2705 - EPA 3550B										
Blank (B1E2705-BLK1)										
					Prepared: 05/27/2021 Analyzed: 05/27/2021					
Diesel (C10-C28)	ND	50.0	mg/kg							U
Residual Range Organics (C28-C40)	ND	200	"							U
Surrogate: o-Terphenyl	37		"	50.0		73.9	50-150			

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

Ben Baugh
 Project Number: [none]
 Project: Pierce Unit Kennedy #3

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 B1E2705 - EPA 3550B

LCS (B1E2705-BS1)

Prepared: 05/27/2021 Analyzed: 05/27/2021

Diesel (C10-C28)	809	50.0	mg/kg	1000		80.9	70-130			
Residual Range Organics (C28-C40)	766	200	"	1000		76.6	70-130			
Surrogate: o-Terphenyl	44		"	50.0		88.3	50-150			

Origins Laboratory, Inc.



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

Ben Baugh
 Project Number: [none]
 Project: Pierce Unit Kennedy #3

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 B1E2705 - EPA 3550B

Matrix Spike (B1E2705-MS1)	Source: Y105528-02			Prepared: 05/27/2021 Analyzed: 05/28/2021						
Diesel (C10-C28)	805	50.0	mg/kg	1000	ND	80.5	70-130			
Residual Range Organics (C28-C40)	770	200	"	1000	46.5	72.4	70-130			
Surrogate: o-Terphenyl	43		"	50.0		87.0	50-150			

Origins Laboratory, Inc.



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

Ben Baugh
 Project Number: [none]
 Project: Pierce Unit Kennedy #3

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 B1E2705 - EPA 3550B

Matrix Spike Dup (B1E2705-MSD1)	Source: Y105528-02			Prepared: 05/27/2021 Analyzed: 05/28/2021						
Diesel (C10-C28)	813	50.0	mg/kg	1000	ND	81.3	70-130	1.06	35	
Residual Range Organics (C28-C40)	823	200	"	1000	46.5	77.7	70-130	6.70	35	
<i>Surrogate: o-Terphenyl</i>	41		"	50.0		81.3	50-150			

Origins Laboratory, Inc.



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 330 Grand Ave. Unit C
 Grand Junction CO 81501

Ben Baugh
 Project Number: [none]
 Project: Pierce Unit Kennedy #3

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch L555767 - 3050B

MSD (L 90876-MSD-L555767)		Source: 90876			Prepared: 05/28/2021 Analyzed: 06/01/2021					
Selenium	2.8	0.103	mg/Kg	4.71	0.294	53	75-125	0.3	80	*
MS (L 90876-MS-L555767)		Source: 90876			Prepared: 05/28/2021 Analyzed: 06/01/2021					
Selenium	2.79	0.103	mg/Kg	4.97	0.294	50	75-125			*
LCS (LCS-L555767)					Prepared: 05/28/2021 Analyzed: 06/01/2021					
Selenium	4.81	0.103	mg/Kg	5		96	80-120			
LRB (LRB-L555767)					Prepared: 05/28/2021 Analyzed: 06/01/2021					
Selenium	ND	0.25	mg/Kg							

Origins Laboratory, Inc.



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

Ben Baugh
Project Number: [none]
Project: Pierce Unit Kennedy #3

Notes and Definitions

- U Sample is Non-Detect.
 - 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.



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