

May 04, 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. April 26, 2021. This project is associated with Origins project number Y104462-01.

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
BG 1-2	Y104462-01	Soil	April 26, 2021 11:25	04/26/2021 16:00
SS 1-4	Y104462-02	Soil	April 26, 2021 14:00	04/26/2021 16:00

Per the email from Ben on 05/04/21, selenium was added to sample BG1-2. JEP

Origins Laboratory, Inc.



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Jen Pellegrini, Project Manager

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: Y104462

Client: Entrada

Client Project ID: Pierce Unit

Checklist Completed by: KDK

Shipped Via: HD

Date/time completed: 04-27-21

(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, 28.3 °C / _____ °C / _____ °C (Describe) _____ °C

Thermometer ID: T003

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"/>		Same Day
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 4-28-21

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

BG 1-2

4/26/2021 11:25:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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AAL, Inc.
Y104462-01 (Soil)

Boron (Sorbitol)

Boron	0.3		mg/L	1	[none]		04/28/2021	04/30/2021	
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Metals (Saturated Paste Prep)

Calcium	2.67		me/L	1	[none]		"	04/30/2021	
Magnesium	1.34		"	"	"		"	"	
Sodium	1.22		"	"	"		"	"	

pH in Soil by EPA 9045D

pH	7.38		pH Units	1	B1D2806	DJL	04/28/2021	04/28/2021	
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SAR by 20B Saturated Paste

SAR	0.86			1	[none]		04/28/2021	04/30/2021	
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Specific Conductance by Modified 9050A

Specific Conductance (EC)	0.369	0.00500	mmhos/cm	1	B1D2807	DJL	04/28/2021	04/28/2021	
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Total Metals by 6020B

Arsenic	2.25	0.25	mg/Kg	5	L549850		04/28/2021	04/29/2021	
Selenium	0.207	0.25	"	"	"		"	"	J

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

SS 1-4
4/26/2021 2:00:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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AAL, Inc.
Y104462-02 (Soil)

Boron (Sorbitol)

Boron	1.4		mg/L	1	[none]		04/28/2021	04/30/2021	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	6260	50.0	mg/kg	1	B1D2706	KDK	04/27/2021	04/27/2021	
Residual Range Organics (C28-C40)	1770	200	"	"	"	KDK	"	"	

Surrogate: o-Terphenyl	144 %	50-150			"	"	"	"	
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GBTEX+TMBs

1,2,4-Trimethylbenzene	0.431	0.0500	mg/kg	25	B1D2705	TEM	04/27/2021	04/28/2021	
1,3,5-Trimethylbenzene	0.210	0.0500	"	"	"	TEM	"	"	
Benzene	ND	0.0500	"	"	"	TEM	"	"	R-01, U
Ethylbenzene	1.52	0.0500	"	"	"	TEM	"	"	
Toluene	ND	0.0500	"	"	"	TEM	"	"	R-01, U
Gasoline Range Hydrocarbons	466	5.00	"	"	"	TEM	"	"	
Xylenes, total	2.51	0.0500	"	"	"	TEM	"	"	

Surrogate: 1,2-Dichloroethane-d4	95.7 %	70-130			"	"	"	"	
Surrogate: Toluene-d8	87.2 %	70-130			"	"	"	"	
Surrogate: 4-Bromofluorobenzene	97.3 %	70-130			"	"	"	"	

Metals (Saturated Paste Prep)

Calcium	3.21		me/L	1	[none]		04/28/2021	04/30/2021	
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 330 Grand Ave. Unit C
 Grand Junction CO 81501

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

SS 1-4
4/26/2021 2:00:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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AAL, Inc.
Y104462-02 (Soil)

Metals (Saturated Paste Prep)

Magnesium	1.33		me/L	1	[none]		04/28/2021	04/30/2021	
Sodium	10.25		"	"	"		"	"	

PAH by 8270D SIM

1-Methylnaphthalene	ND	0.00067	mg/Kg	1	L549991		04/29/2021	04/29/2021	
2-Methylnaphthalene	ND	0.00067	"	"	"		"	"	
Acenaphthene	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	"	"	"		"	"	
Fluorene	ND	0.00067	"	"	"		"	"	
Indeno(1,2,3-cd)pyrene	ND	0.00067	"	"	"		"	"	
Naphthalene	ND	0.00067	"	"	"		"	"	
Pyrene	ND	0.00067	"	"	"		"	"	

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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

SS 1-4

4/26/2021 2:00:00PM

Analyte	Result	Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Waypoint Analytical, Inc.
Y104462-02 (Soil)

PAH by 8270D SIM

Surrogate: 2-Fluorobiphenyl	50.2 %		33-115		L5499 91		04/29/2021	04/29/2021	
Surrogate: 4-Terphenyl-d14	63.1 %		33-122		"		"	"	
Surrogate: Nitrobenzene-d5	57.1 %		29-110		"		"	"	

pH in Soil by EPA 9045D

pH	7.24		pH Units	1	B1D2806	DJL	04/28/2021	04/28/2021	
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SAR by 20B Saturated Paste

SAR	6.80			1	[none]		04/28/2021	04/30/2021	
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Specific Conductance by Modified 9050A

Specific Conductance (EC)	1.61	0.00500	mmhos/cm	1	B1D2807	DJL	04/28/2021	04/28/2021	
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Total Metals by 6020B

Arsenic	4.65	0.25	mg/Kg	5	L549850		04/28/2021	04/29/2021	
Barium	78.8	0.25	"	"	"		"	"	
Cadmium	0.25	0.25	"	"	"		"	"	
Copper	9.01	0.25	"	"	"		"	"	
Lead	10.6	0.25	"	"	"		"	"	
Nickel	9.56	0.25	"	"	"		"	"	
Selenium	0.414	0.25	"	"	"		"	"	

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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

SS 1-4

4/26/2021 2:00:00PM

Analyte	Result	Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Waypoint Analytical, Inc.

Y104462-02 (Soil)

Total Metals by 6020B

Silver	0.0409	0.25	mg/Kg	5	L549850		04/28/2021	04/29/2021	J
Zinc	35.4	2.5	"	"	"		"	"	

Total Metals by 7196A

Chromium, Hexavalent	ND	1	mg/Kg	2	L550563		04/26/2021	05/03/2021	
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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 B1D2705 - EPA 5030 (soil)

Blank (B1D2705-BLK1)

Prepared: 04/27/2021 Analyzed: 04/27/2021

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg							U
Naphthalene	ND	0.0100	"							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	58		ug/L	62.5		93.2	70-130			
Surrogate: Toluene-d8	55		"	62.5		88.5	70-130			
Surrogate: 4-Bromofluorobenzene	57		"	62.5		90.8	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 B1D2705 - EPA 5030 (soil)

LCS (B1D2705-BS1)

Prepared: 04/27/2021 Analyzed: 04/27/2021

1,2,4-Trimethylbenzene	0.0464	0.00200	mg/kg	0.0500		92.8	70-130			
Naphthalene	0.0513	0.0100	"	0.0500		103	70-130			
1,3,5-Trimethylbenzene	0.0465	0.00200	"	0.0500		92.9	70-130			
Benzene	0.0540	0.00200	"	0.0500		108	70-130			
Ethylbenzene	0.0431	0.00200	"	0.0500		86.2	70-130			
m,p-Xylene	0.0868	0.00400	"	0.100		86.8	70-130			
o-Xylene	0.0449	0.00200	"	0.0500		89.8	70-130			
Toluene	0.0448	0.00200	"	0.0500		89.5	70-130			
Surrogate: 1,2-Dichloroethane-d4	55		ug/L	62.5		88.4	70-130			
Surrogate: Toluene-d8	55		"	62.5		87.4	70-130			
Surrogate: 4-Bromofluorobenzene	59		"	62.5		94.4	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 B1D2705 - EPA 5030 (soil)

Matrix Spike (B1D2705-MS1)	Source: Y104461-01			Prepared: 04/27/2021 Analyzed: 04/27/2021						
1,2,4-Trimethylbenzene	0.0417	0.00200	mg/kg	0.0500	ND	83.3	70-130			
Naphthalene	0.0511	0.0100	"	0.0500	0.000680	101	70-130			
1,3,5-Trimethylbenzene	0.0409	0.00200	"	0.0500	ND	81.8	70-130			
Benzene	0.0527	0.00200	"	0.0500	ND	105	70-130			
Ethylbenzene	0.0389	0.00200	"	0.0500	ND	77.9	70-130			
m,p-Xylene	0.0786	0.00400	"	0.100	ND	78.6	70-130			
o-Xylene	0.0409	0.00200	"	0.0500	ND	81.8	70-130			
Toluene	0.0423	0.00200	"	0.0500	ND	84.6	70-130			
Surrogate: 1,2-Dichloroethane-d4	60		ug/L	62.5		95.7	70-130			
Surrogate: Toluene-d8	53		"	62.5		85.5	70-130			
Surrogate: 4-Bromofluorobenzene	59		"	62.5		94.8	70-130			

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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 B1D2705 - EPA 5030 (soil)

Matrix Spike Dup (B1D2705-MSD1)	Source: Y104461-01			Prepared: 04/27/2021 Analyzed: 04/27/2021						
1,2,4-Trimethylbenzene	0.0487	0.00200	mg/kg	0.0500	ND	97.4	70-130	15.6	20	
Naphthalene	0.0630	0.0100	"	0.0500	0.000680	125	70-130	20.8	20	QR-03
1,3,5-Trimethylbenzene	0.0478	0.00200	"	0.0500	ND	95.6	70-130	15.6	20	
Benzene	0.0609	0.00200	"	0.0500	ND	122	70-130	14.4	20	
Ethylbenzene	0.0449	0.00200	"	0.0500	ND	89.7	70-130	14.1	20	
m,p-Xylene	0.0904	0.00400	"	0.100	ND	90.4	70-130	13.9	20	
o-Xylene	0.0477	0.00200	"	0.0500	ND	95.4	70-130	15.3	20	
Toluene	0.0486	0.00200	"	0.0500	ND	97.2	70-130	13.8	20	
Surrogate: 1,2-Dichloroethane-d4	61		ug/L	62.5		97.4	70-130			
Surrogate: Toluene-d8	53		"	62.5		85.2	70-130			
Surrogate: 4-Bromofluorobenzene	59		"	62.5		94.5	70-130			

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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
Batch B1D2706 - EPA 3550B										
Blank (B1D2706-BLK1)										
					Prepared: 04/27/2021 Analyzed: 04/27/2021					
Diesel (C10-C28)	ND	25.0	mg/kg							U
Residual Range Organics (C28-C40)	ND	100	"							U
Surrogate: o-Terphenyl	29		"	25.0		117	50-150			

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Jen Pellegrini, Project Manager

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 B1D2706 - EPA 3550B

LCS (B1D2706-BS1)

Prepared: 04/27/2021 Analyzed: 04/27/2021

Diesel (C10-C28)	1180	50.0	mg/kg	1000		118	70-130			
Residual Range Organics (C28-C40)	1180	200	"	1000		118	70-130			
Surrogate: o-Terphenyl	55		"	50.0		109	50-150			

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Jen Pellegrini, Project Manager

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 B1D2706 - EPA 3550B

Matrix Spike (B1D2706-MS1)	Source: Y104461-01			Prepared: 04/27/2021 Analyzed: 04/27/2021						
Diesel (C10-C28)	1020	50.0	mg/kg	1000	ND	102	70-130			
Residual Range Organics (C28-C40)	982	200	"	1000	ND	98.2	70-130			
Surrogate: o-Terphenyl	48		"	50.0		96.7	50-150			

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Jen Pellegrini, Project Manager

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 B1D2706 - EPA 3550B

Matrix Spike Dup (B1D2706-MSD1)	Source: Y104461-01			Prepared: 04/27/2021 Analyzed: 04/27/2021						
Diesel (C10-C28)	930	50.0	mg/kg	1000	ND	93.0	70-130	9.26	35	
Residual Range Organics (C28-C40)	869	200	"	1000	ND	86.9	70-130	12.3	35	
Surrogate: o-Terphenyl	42		"	50.0		83.1	50-150			

Origins Laboratory, Inc.



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Jen Pellegrini, Project Manager

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

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

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 L549991 - 3550B

MSD (L 99838-MSD-L549991)		Source: 99838			Prepared: 04/29/2021 Analyzed: 04/29/2021					
Dibenz(a,h)anthracene	0.0986	0.0014	mg/Kg	0.163	99838	60.4	30-130	5.4	30	
Fluoranthene	0.127	0.00265	"	0.163	99838	77.9	30-130	33.4	30	
Fluorene	0.115	0.00251	"	0.163	0.0198	58.4	30-130	9	30	
Indeno(1,2,3-cd)pyrene	0.0949	0.00172	"	0.163	99838	58.2	30-130	6.4	30	
Pyrene	0.128	0.00194	"	0.163	0.00334	78.5	30-130	33.2	30	
Chrysene	0.127	0.00128	"	0.163	0.00651	73.9	30-130	17.9	30	
Naphthalene	0.096	0.00234	"	0.163	99838	58.8	30-130	17.1	30	
1-Methylnaphthalene	0.122	0.0024	"	0.163	0.0154	65.3	30-130	24.4	30	
Benzo(b)fluoranthene	0.118	0.00069	"	0.163	99838	72.3	30-130	10.4	30	
Benzo(a)pyrene	0.129	0.000665	"	0.163	0.00106	79.1	30-130	5.2	30	
Benzo(a)anthracene	0.124	0.00221	"	0.163	99838	76	30-130	11.4	30	
Anthracene	0.135	0.00213	"	0.163	99838	82.8	30-130	38.8	30	
Acenaphthene	0.0945	0.00216	"	0.163	0.0122	50.4	30-130	20.4	30	
2-Methylnaphthalene	0.124	0.00271	"	0.163	0.0161	66.1	30-130	31.2	30	
Benzo(k)fluoranthene	0.11	0.00243	"	0.163	99838	67.4	30-130	8.6	30	
Surrogate: Nitrobenzene-d5	56.5		"	0.327	192	56.5	29-110			
Surrogate: 2-Fluorobiphenyl	53.8		"	0.327	186	53.8	33-115			
Surrogate: 4-Terphenyl-d14	76.7		"	0.327	236	76.7	33-122			

MS (L 99838-MS-L549991)		Source: 99838			Prepared: 04/29/2021 Analyzed: 04/29/2021					
Benzo(a)pyrene	0.136	0.000665	mg/Kg	0.163	0.00106	83.4	30-130			
Acenaphthene	0.116	0.00216	"	0.163	0.0122	63.6	30-130			
2-Methylnaphthalene	0.17	0.00271	"	0.163	0.0161	94.4	30-130			
Benzo(a)anthracene	0.139	0.00221	"	0.163	99838	85.2	30-130			
1-Methylnaphthalene	0.156	0.0024	"	0.163	0.0154	86.2	30-130			
Naphthalene	0.114	0.00234	"	0.163	99838	69.9	30-130			
Anthracene	0.2	0.00213	"	0.163	99838	123	30-130			

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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

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 L549991 - 3550B

MS (L 99838-MS-L549991)	Source: 99838			Prepared: 04/29/2021 Analyzed: 04/29/2021						
Indeno(1,2,3-cd)pyrene	0.089	0.00172	mg/Kg	0.163	99838	54.6	30-130			
Fluorene	0.105	0.00251	"	0.163	0.0198	52.2	30-130			
Fluoranthene	0.178	0.00265	"	0.163	99838	109	30-130			
Dibenz(a,h)anthracene	0.0934	0.0014	"	0.163	99838	57.3	30-130			
Chrysene	0.152	0.00128	"	0.163	0.00651	89.2	30-130			
Benzo(k)fluoranthene	0.12	0.00243	"	0.163	99838	73.6	30-130			
Benzo(b)fluoranthene	0.131	0.00069	"	0.163	99838	80.3	30-130			
Pyrene	0.179	0.00194	"	0.163	0.00334	110	30-130			
Surrogate: 4-Terphenyl-d14	106		"	0.327	236	106	33-122			
Surrogate: 2-Fluorobiphenyl	57.1		"	0.327	186	57.1	33-115			
Surrogate: Nitrobenzene-d5	64.2		"	0.327	192	64.2	29-110			

LCS (LCS-L549991)	Prepared: 04/29/2021 Analyzed: 04/29/2021									
Naphthalene	0.102	0.000467	mg/Kg	0.167		61	30-130			
Benzo(k)fluoranthene	0.102	0.000486	"	0.167		61	30-130			
2-Methylnaphthalene	0.109	0.000542	"	0.167		65.2	30-130			
Acenaphthene	0.111	0.000431	"	0.167		66.4	30-130			
Anthracene	0.117	0.000426	"	0.167		70	30-130			
Benzo(a)anthracene	0.128	0.000441	"	0.167		76.6	30-130			
Benzo(a)pyrene	0.135	0.000133	"	0.167		80.8	30-130			
Benzo(b)fluoranthene	0.0986	0.000138	"	0.167		59	30-130			
Chrysene	0.113	0.000256	"	0.167		67.6	30-130			
Dibenz(a,h)anthracene	0.0937	0.000279	"	0.167		56.1	30-130			
Fluoranthene	0.118	0.000529	"	0.167		70.6	30-130			
1-Methylnaphthalene	0.11	0.00048	"	0.167		65.8	30-130			
Indeno(1,2,3-cd)pyrene	0.0906	0.000344	"	0.167		54.2	30-130			
Pyrene	0.115	0.000387	"	0.167		68.8	30-130			

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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

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
Batch L549991 - 3550B										
LCS (LCS-L549991)										
					Prepared: 04/29/2021 Analyzed: 04/29/2021					
Fluorene	0.12	0.000501	mg/Kg	0.167		71.8	30-130			
Surrogate: 2-Fluorobiphenyl	62.4		"	0.333		62.4	33-115			
Surrogate: Nitrobenzene-d5	64.5		"	0.333		64.5	29-110			
Surrogate: 4-Terphenyl-d14	67.5		"	0.333		67.5	33-122			
LRB (LRB-L549991)										
					Prepared: 04/29/2021 Analyzed: 04/29/2021					
Benzo(a)anthracene	ND	0.00067	mg/Kg				-			
1-Methylnaphthalene	ND	0.00067	"				-			
2-Methylnaphthalene	ND	0.00067	"				-			
Pyrene	ND	0.00067	"				-			
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	"				-			
Fluorene	ND	0.00067	"				-			
Indeno(1,2,3-cd)pyrene	ND	0.00067	"				-			
Naphthalene	ND	0.00067	"				-			
Acenaphthene	ND	0.00067	"				-			
Surrogate: 2-Fluorobiphenyl	60.3		"	0.333		60.3	33-115			
Surrogate: 4-Terphenyl-d14	61.8		"	0.333		61.8	33-122			
Surrogate: Nitrobenzene-d5	65.1		"	0.333		65.1	29-110			

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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

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 L549850 - 3050B

MSD (L 99852-MSD-L549850)		Source: 99852			Prepared: 04/28/2021 Analyzed: 04/29/2021					
Cadmium	0.531	0.0391	mg/Kg	0.475	0.0596	112	75-125	2.2	80	
Nickel	6.11	0.0743	"	2.37	3.48	111	75-125	5.3	80	
Barium	101	0.041	"	4.75	88.2	270	75-125	2.7	80	*
Copper	5.5	0.118	"	2.37	3.04	104	75-125	6.5	80	
Lead	6.56	0.0115	"	2.37	4.31	95	75-125	5.6	80	
Silver	0.448	0.0025	"	0.475	0.0153	94	75-125	7.7	80	
Zinc	39.4	0.438	"	23.7	16.6	96	75-125	1	80	
Arsenic	3.68	0.0433	"	2.37	1.67	85	75-125	8.8	80	
Selenium	3.72	0.102	"	4.75	0.142	78	75-125	5.4	80	

MS (L 99852-MS-L549850)		Source: 99852			Prepared: 04/28/2021 Analyzed: 04/29/2021					
Copper	5.15	0.118	mg/Kg	2.48	3.04	85	75-125			
Silver	0.484	0.0025	"	0.496	0.0153	98	75-125			
Zinc	39.8	0.438	"	24.8	16.6	94	75-125			
Nickel	5.79	0.0743	"	2.48	3.48	93	75-125			
Lead	6.2	0.0115	"	2.48	4.31	76	75-125			
Arsenic	4.02	0.0433	"	2.48	1.67	95	75-125			
Selenium	3.93	0.102	"	4.96	0.142	79	75-125			
Cadmium	0.543	0.0391	"	0.496	0.0596	110	75-125			
Barium	98.3	0.041	"	4.96	88.2	204	75-125			*

LCS (LCS-L549850)		Prepared: 04/28/2021 Analyzed: 04/29/2021								
Zinc	23.5	0.438	mg/Kg	25		94	80-120			
Arsenic	2.35	0.0433	"	2.5		94	80-120			
Barium	4.96	0.041	"	5		99	80-120			
Cadmium	0.506	0.0391	"	0.5		101	80-120			
Copper	2.39	0.118	"	2.5		96	80-120			

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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

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 L549850 - 3050B

LCS (LCS-L549850)

Prepared: 04/28/2021 Analyzed: 04/29/2021

Lead	2.41	0.0115	mg/Kg	2.5		96	80-120			
Nickel	2.3	0.0743	"	2.5		92	80-120			
Selenium	4.97	0.102	"	5		99	80-120			
Silver	0.475	0.0025	"	0.5		95	80-120			

LRB (LRB-L549850)

Prepared: 04/28/2021 Analyzed: 04/29/2021

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

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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

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 L550563 -										
DUP (L 97599-DUP)		Source: 97599			Prepared: Analyzed: 05/03/2021					
Chromium, Hexavalent	ND	0.244	mg/Kg		97599		-	0	20	
MS (L 97599-MS)		Source: 97599			Prepared: Analyzed: 05/03/2021					
Chromium, Hexavalent	3.29	0.244	mg/Kg	7.83	97599	42	75-125			*
LCS (LCS)					Prepared: Analyzed: 05/03/2021					
Chromium, Hexavalent	7.58	0.244	mg/Kg	8		95	75-125			
LRB (LRB)					Prepared: Analyzed: 05/03/2021					
Chromium, Hexavalent	ND	0.5	mg/Kg				-			

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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.

R-01 The Reporting Limit for this analyte has been raised to account for matrix interference.

QR-03 The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.

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 at a wet weight basis.

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Jen Pellegrini, Project Manager