



April 17, 2023

Eagle Environmental Consulting, LLC

Martin C Eckert III

8000 W 44th Ave

Wheat Ridge CO 80033

Project Name - Noble - Sater USX CC #19-10 Project Number - [none]

Attached are your analytical results for Noble - Sater USX CC #19-10 received by Origins Laboratory, Inc. April 04, 2023. This project is associated with Origins project number Y304042-01.

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.

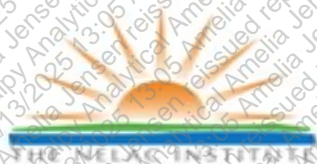
The analytical results apply specifically to the samples and analyses specified per the attached Chain of Custody. As such, this report shall not be reproduced except in full, without the written approval of Origin's laboratory.

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



Eagle Environmental Consulting, LLC
8000 W 44th Ave
Wheat Ridge CO 80033

Martin C Eckert III
Project Number: [none]
Project: Noble - Sater USX CC #19-10

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
WH-FS-01@6'	Y304042-01	Soil	April 4, 2023 11:40	04/04/2023 13:10

Origins Laboratory, Inc.

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Jordan A. Bynon, Project Manager

Eagle Environmental Consulting, LLC
 8000 W 44th Ave
 Wheat Ridge CO 80033

Martin C Eckert III
 Project Number: [none]
 Project: Noble - Sater USX CC #19-10

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

Sample Receipt Checklist

Origins Work Order: 4304042 Client: Eagle
 Client Project ID: Sater USX CC #19-10

Checklist Completed by: EHS/WJ Shipped Via: FD
 Date/time completed: 4/14/23 (UPS, FedEx, Hand Delivered, Pick-up, etc.)
 Airbill #: NA

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

Cooler Number/Temperature: 15.1 °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 ⁽¹⁾ ?	<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 ⁽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 HNO3, HCL, H2SO4) / (pH >10 for samples preserved with NaAsO2+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) JB

Date/Time Reviewed 4-23

Origins Laboratory, Inc.



Jordan A. Bynon, Project Manager

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Martin C Eckert III
 Project Number: [none]
 Project: Noble - Sater USX CC #19-10

WH-FS-01@6'
4/4/2023 11:40:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y304042-01 (Soil)

Boron (DTPA Sorbitol)

Boron	0.253		0.0980	mg/L	1	B3D0617	04/06/2023	04/07/2023	
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DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND		25.0	mg/kg	1	B3D0501	04/05/2023	04/07/2023	U
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	U

Surrogate: o-Terphenyl 103% 50-150 " " " "

GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B3D0519	04/05/2023	04/10/2023	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	0.311		0.200	"	"	"	"	"	

Surrogate: 1,2-Dichloroethane-d4 75.5% 70-130 " " " "
 Surrogate: Toluene-d8 92.2% 70-130 " " " "

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WH-FS-01@6'
 4/4/2023 11:40:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y304042-01 (Soil)

GBTEX+TMBs by 8260D

Surrogate: 4-Bromofluorobenzene	99.9 %		70-130			B3D05 19	04/05/2023	04/10/2023	
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Metals by Saturated Paste by EPA 6010

Calcium	1.28		0.499	meq/L	10	[CALC]	04/05/2023	04/07/2023	
Magnesium	ND		0.823	"	"	"	"	"	
Sodium	0.664		0.435	"	"	"	"	"	

PAH by 8270D SIM

1-Methylnaphthalene	ND	0.00109	0.00201	mg/Kg	1	L674692	04/07/2023	04/07/2023	
2-Methylnaphthalene	ND	0.00194	0.00201	"	"	"	"	"	
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	0.000424	0.000286	0.00067	"	"	"	"	"	J

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WH-FS-01@6'
4/4/2023 11:40:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Waypoint Analytical, LLC.
Y304042-01 (Soil)

PAH by 8270D SIM

Indeno(1,2,3-cd)pyrene	ND	0.000627	0.00067	mg/Kg	1	L674692	04/07/2023	04/07/2023	
Naphthalene	ND	0.00145	0.00201	"	"	"	"	"	"
Pyrene	ND	0.000643	0.00067	"	"	"	"	"	"

Surrogate: 2-Fluorobiphenyl	52.9 %		33-115			"	"	"	"
Surrogate: 4-Terphenyl-d14	55.6 %		33-122			"	"	"	"
Surrogate: Nitrobenzene-d5	52.6 %		29-110			"	"	"	"

pH in Soil by 9045D

pH	7.54			pH Units	1	B3D0515	04/05/2023	04/06/2023	
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SAR by 20B Saturated Paste

SAR	0.740			SAR	1	B3D0511	04/05/2023	04/07/2023	
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Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.423	0.00500		mmhos/cm	1	B3D0515	04/05/2023	04/06/2023	
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Martin C Eckert III
 Project Number: [none]
 Project: Noble - Sater USX CC #19-10

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 B3D0501 - EPA 3580

Prepared: 04/05/2023 Analyzed: 04/07/2023

Blank (B3D0501-BLK1)

Diesel (C10-C28)	ND	25.0	mg/kg							U
Residual Range Organics (C28-C40)	ND	100	"							U
Surrogate: o-Terphenyl	26		"	24.9		104	50-150			

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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 B3D0501 - EPA 3580

LCS (B3D0501-BS1)

Prepared: 04/05/2023 Analyzed: 04/07/2023

Diesel (C10-C28)	1120	50.0	mg/kg	1000	112	70-130				
Residual Range Organics (C28-C40)	1180	200	"	1000	118	70-130				
Surrogate: o-Terphenyl	56		"	49.8	113	50-150				

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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 B3D0501 - EPA 3580

Matrix Spike (B3D0501-MS1)

Source: Y304035-01

Prepared: 04/05/2023 Analyzed: 04/07/2023

Diesel (C10-C28)	1080	50.0	mg/kg	1000	ND	108	70-130			
Residual Range Organics (C28-C40)	1160	200	"	1000	ND	116	70-130			
Surrogate: o-Terphenyl	59		"	49.8		119	50-150			

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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 B3D0501 - EPA 3580

Matrix Spike Dup (B3D0501-MSD1)

Source: Y304035-01

Prepared: 04/05/2023 Analyzed: 04/07/2023

Diesel (C10-C28)	999	50.0	mg/kg	1000	ND	99.9	70-130	7.59	35	
Residual Range Organics (C28-C40)	1050	200	"	1000	ND	105	70-130	9.47	35	
Surrogate: o-Terphenyl	48		"	49.8		96.1	50-150			

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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 B3D0519 - EPA 5030 (soil)

Prepared: 04/05/2023 Analyzed: 04/07/2023

Blank (B3D0519-BLK1)

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	0.091		"	0.125		73.0	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		96.4	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		98.9	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 B3D0519 - EPA 5030 (soil)

LCS (B3D0519-BS1)

Prepared: 04/05/2023 Analyzed: 04/07/2023

1,2,4-Trimethylbenzene	0.112	0.00200	mg/kg	0.100		112	70-130			
1,3,5-Trimethylbenzene	0.112	0.00200	"	0.100		112	70-130			
Benzene	0.106	0.00200	"	0.100		106	70-130			
Ethylbenzene	0.108	0.00200	"	0.100		108	70-130			
Naphthalene	0.114	0.00380	"	0.100		114	70-130			
Toluene	0.0968	0.00200	"	0.100		96.8	70-130			
o-Xylene	0.106	0.00200	"	0.100		106	70-130			
m,p-Xylene	0.222	0.00400	"	0.200		111	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.090		"	0.125		72.0	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		96.6	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		103	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 B3D0519 - EPA 5030 (soil)

Matrix Spike (B3D0519-MS1)

Source: Y304004-01

Prepared: 04/05/2023 Analyzed: 04/07/2023

1,2,4-Trimethylbenzene	0.0953	0.00200	mg/kg	0.100	ND	95.3	70-130			
1,3,5-Trimethylbenzene	0.0972	0.00200	"	0.100	ND	97.2	70-130			
Benzene	0.0882	0.00200	"	0.100	ND	88.2	70-130			
Ethylbenzene	0.0983	0.00200	"	0.100	ND	98.3	70-130			
Naphthalene	0.0882	0.00380	"	0.100	0.00536	82.8	70-130			
Toluene	0.0856	0.00200	"	0.100	ND	85.6	70-130			
o-Xylene	0.0998	0.00200	"	0.100	ND	99.8	70-130			
m,p-Xylene	0.200	0.00400	"	0.200	ND	100	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.084		"	0.125		67.5	70-130			S-CC
Surrogate: Toluene-d8	0.13		"	0.125		100	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		108	70-130			

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Martin C Eckert III
 Project Number: [none]
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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 B3D0519 - EPA 5030 (soil)

Matrix Spike Dup (B3D0519-MSD1)

Source: Y304004-01

Prepared: 04/05/2023 Analyzed: 04/07/2023

1,2,4-Trimethylbenzene	0.0909	0.00200	mg/kg	0.100	ND	90.9	70-130	4.70	20	
1,3,5-Trimethylbenzene	0.0913	0.00200	"	0.100	ND	91.3	70-130	6.30	20	
Benzene	0.0919	0.00200	"	0.100	ND	91.9	70-130	4.18	20	
Ethylbenzene	0.0944	0.00200	"	0.100	ND	94.4	70-130	4.03	20	
Naphthalene	0.0923	0.00380	"	0.100	0.00536	86.9	70-130	4.50	20	
Toluene	0.0860	0.00200	"	0.100	ND	86.0	70-130	0.466	20	
o-Xylene	0.0976	0.00200	"	0.100	ND	97.6	70-130	2.21	20	
m,p-Xylene	0.195	0.00400	"	0.200	ND	97.3	70-130	2.85	20	
Surrogate: 1,2-Dichloroethane-d4	0.086		"	0.125		68.9	70-130			S-GC
Surrogate: Toluene-d8	0.12		"	0.125		98.5	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		105	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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Classical Chemistry Parameters - 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 B3D0511 - Saturated Paste Metals

Blank (B3D0511-BLK1)

Prepared: 04/05/2023 Analyzed: 04/07/2023

Calcium PPM	ND	10.0	mg/L							
SAR	0.00		SAR							
Magnesium PPM	ND	10.0	mg/L							
Sodium PPM	ND	10.0	"							

Duplicate (B3D0511-DUP1)

Source: Y304033-11

Prepared: 04/05/2023 Analyzed: 04/07/2023

SAR	0.00		SAR		3.17			200	200	
Calcium PPM	37.0	10.0	mg/L		37.4			1.18	50	
Magnesium PPM	17.8	10.0	"		18.2			1.96	50	
Sodium PPM	97.7	10.0	"		94.5			3.29	50	

Batch B3D0617 - DTPA Sorbitol Preparation

Blank (B3D0617-BLK1)

Prepared: 04/06/2023 Analyzed: 04/07/2023

Boron	ND	0.100	mg/L							
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Duplicate (B3D0617-DUP1)

Source: Y304033-14

Prepared: 04/06/2023 Analyzed: 04/07/2023

Boron	0.131	0.101	mg/L		0.125			3.94	50	
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 Project Number: [none]
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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 B3D0515 - Saturated Paste pH/EC

Blank (B3D0515-BLK1)

Prepared: 04/05/2023 Analyzed: 04/06/2023

Specific Conductance (EC) ND 0.00500 mmhos/cm

Duplicate (B3D0515-DUP1)

Source: Y304033-11

Prepared: 04/05/2023 Analyzed: 04/06/2023

pH 7.67 pH Units 7.66 0.130 25

Specific Conductance (EC) 0.766 0.00500 mmhos/cm 0.739 3.54 25

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Jordan A. Bynon, Project Manager

Eagle Environmental Consulting, LLC
 8000 W 44th Ave
 Wheat Ridge CO 80033

Martin C Eckert III
 Project Number: [none]
 Project: Noble - Sater USX CC #19-10

PAH by 8270D SIM - 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 L674692 - 3550B

MSD (L 93577-MSD-L674692)

Source: 93577

Prepared: 04/07/2023 Analyzed: 04/07/2023

2-Methylnaphthalene	0.0975	0.00201	mg/Kg	0.165	<0.00194	59	30-130	2.4	30	
Fluorene	0.105	0.00067	"	0.165	<0.000286	63.6	30-130	1.9	30	
Pyrene	0.0822	0.00067	"	0.165	<0.000643	49.8	30-130	10.5	30	
Indeno(1,2,3-cd)pyrene	0.0952	0.00067	"	0.165	<0.000627	57.6	30-130	1.9	30	
Fluoranthene	0.0904	0.00067	"	0.165	<0.000394	54.7	30-130	7.6	30	
Dibenz(a,h)anthracene	0.103	0.00067	"	0.165	<0.000614	62.4	30-130	4.4	30	
Chrysene	0.103	0.00067	"	0.165	<0.000624	62.4	30-130	6.4	30	
Naphthalene	0.0913	0.00201	"	0.165	<0.00145	55.3	30-130	1.2	30	
1-Methylnaphthalene	0.0967	0.00201	"	0.165	<0.00109	58.6	30-130	1.9	30	
Benzo(k)fluoranthene	0.059	0.00067	"	0.165	<0.000437	35.7	30-130	0.6	30	
Acenaphthene	0.0999	0.00067	"	0.165	<0.000304	60.5	30-130	3.7	30	
Anthracene	0.106	0.00067	"	0.165	<0.000334	64.2	30-130	0.9	30	
Benzo(a)anthracene	0.106	0.00067	"	0.165	<0.000493	64.2	30-130	5.5	30	
Benzo(a)pyrene	0.112	0.00067	"	0.165	<0.000468	67.8	30-130	1.8	30	
Benzo(b)fluoranthene	0.0499	0.00067	"	0.165	<0.000585	30.2	30-130	22.4	30	
Surrogate: 2-Fluorobiphenyl	50.9		"	0.33	155	50.9	33-115			
Surrogate: Nitrobenzene-d5	50.9		"	0.33	155	50.9	29-110			
Surrogate: 4-Terphenyl-d14	45.7		"	0.33	167	45.7	33-122			

MS (L 93577-MS-L674692)

Source: 93577

Prepared: 04/07/2023 Analyzed: 04/07/2023

Benzo(k)fluoranthene	0.0586	0.00067	mg/Kg	0.162	<0.000437	36.1	30-130			
Acenaphthene	0.0962	0.00067	"	0.162	<0.000304	59.3	30-130			
Naphthalene	0.0902	0.00201	"	0.162	<0.00145	55.6	30-130			
Indeno(1,2,3-cd)pyrene	0.0934	0.00067	"	0.162	<0.000627	57.6	30-130			
Fluorene	0.103	0.00067	"	0.162	<0.000286	63.5	30-130			
Fluoranthene	0.0976	0.00067	"	0.162	<0.000394	60.2	30-130			
Dibenz(a,h)anthracene	0.0985	0.00067	"	0.162	<0.000614	60.8	30-130			

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Martin C Eckert III
 Project Number: [none]
 Project: Noble - Sater USX CC #19-10

PAH by 8270D SIM - 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 L674692 - 3550B

MS (L 93577-MS-L674692)

Source: 93577

Prepared: 04/07/2023 Analyzed: 04/07/2023

Chrysene	0.0966	0.00067	mg/Kg	0.162	<0.000624	59.6	30-130			
1-Methylnaphthalene	0.0948	0.00201	"	0.162	<0.00109	58.5	30-130			
Benzo(a)pyrene	0.11	0.00067	"	0.162	<0.000468	67.9	30-130			
Anthracene	0.107	0.00067	"	0.162	<0.000334	66	30-130			
Pyrene	0.0914	0.00067	"	0.162	<0.000643	56.4	30-130			
2-Methylnaphthalene	0.0951	0.00201	"	0.162	<0.00194	58.7	30-130			
Benzo(b)fluoranthene	0.0625	0.00067	"	0.162	<0.000585	38.5	30-130			
Benzo(a)anthracene	0.112	0.00067	"	0.162	<0.000493	69.1	30-130			
Surrogate: Nitrobenzene-d5	45.8		"	0.325	155	45.8	29-110			
Surrogate: 4-Terphenyl-d14	51.3		"	0.325	167	51.3	33-122			
Surrogate: 2-Fluorobiphenyl	46.4		"	0.325	155	46.4	33-115			

LCS (LCS-L674692)

Prepared: 04/07/2023 Analyzed: 04/07/2023

Chrysene	0.111	0.00067	mg/Kg	0.167		66.4	30-130			
Dibenz(a,h)anthracene	0.109	0.00067	"	0.167		65.2	30-130			
Fluoranthene	0.112	0.00067	"	0.167		67	30-130			
Fluorene	0.116	0.00067	"	0.167		69.4	30-130			
Indeno(1,2,3-cd)pyrene	0.0979	0.00067	"	0.167		58.6	30-130			
Naphthalene	0.102	0.00201	"	0.167		61	30-130			
Benzo(k)fluoranthene	0.0791	0.00067	"	0.167		47.3	30-130			
Pyrene	0.107	0.00067	"	0.167		64	30-130			
Benzo(a)pyrene	0.123	0.00067	"	0.167		73.6	30-130			
Benzo(a)anthracene	0.127	0.00067	"	0.167		76	30-130			
Anthracene	0.116	0.00067	"	0.167		69.4	30-130			
Acenaphthene	0.107	0.00067	"	0.167		64	30-130			
2-Methylnaphthalene	0.105	0.00201	"	0.167		62.8	30-130			
1-Methylnaphthalene	0.104	0.00201	"	0.167		62.2	30-130			

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Martin C Eckert III
 Project Number: [none]
 Project: Noble - Sater USX CC #19-10

PAH by 8270D SIM - 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 L674692 - 3550B

LCS (LCS-L674692)

Prepared: 04/07/2023 Analyzed: 04/07/2023

Benzo(b)fluoranthene	0.0811	0.00067	mg/Kg	0.167		48.5	30-130			
Surrogate: Nitrobenzene-d5	57		"	0.333		57	29-110			
Surrogate: 4-Terphenyl-d14	63.3		"	0.333		63.3	33-122			
Surrogate: 2-Fluorobiphenyl	57		"	0.333		57	33-115			

LRB (LRB-L674692)

Prepared: 04/07/2023 Analyzed: 04/07/2023

Chrysene	ND	0.00067	mg/Kg							
Dibenz(a,h)anthracene	ND	0.00067	"							
Fluoranthene	ND	0.00067	"							
Fluorene	ND	0.00067	"							
Benzo(k)fluoranthene	ND	0.00067	"							
Naphthalene	ND	0.00201	"							
Indeno(1,2,3-cd)pyrene	ND	0.00067	"							
Benzo(b)fluoranthene	ND	0.00067	"							
Benzo(a)pyrene	ND	0.00067	"							
Benzo(a)anthracene	ND	0.00067	"							
Acenaphthene	ND	0.00067	"							
2-Methylnaphthalene	ND	0.00201	"							
1-Methylnaphthalene	ND	0.00201	"							
Pyrene	ND	0.00067	"							
Anthracene	ND	0.00067	"							
Surrogate: Nitrobenzene-d5	57		"	0.333		57	29-110			
Surrogate: 4-Terphenyl-d14	68.1		"	0.333		68.1	33-122			
Surrogate: 2-Fluorobiphenyl	56.7		"	0.333		56.7	33-115			

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Jordan A. Bynon, Project Manager

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8000 W 44th Ave
Wheat Ridge CO 80033

Martin C Eckert III
Project Number: [none]
Project: Noble - Sater USX CC #19-10

Notes and Definitions

- U Sample is Non-Detect.
- S-GC Surrogate recovery outside of control limits. The data was accepted based on valid recovery of the remaining surrogate.
- J Estimated Value. Analyte below reported quantitation limit.
- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference

All soil results are reported on a wet weight basis.

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

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