



June 10, 2019

Eagle Environmental Consulting, Inc.

Dan Coloccia

4101 Inca Street

Denver

CO 80211

**Project Name - CPR - Vessels Minerals 19-15
Battery**

Project Number - [none]

Attached are your analytical results for CPR - Vessels Minerals 19-15 Battery received by Origins Laboratory, Inc. June 03, 2019. This project is associated with Origins project number Y906050-01.

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, Inc.

4101 Inca Street

Denver CO 80211

Dan Coloccia

Project Number: [none]

Project: CPR - Vessels Minerals 19-15 Battery

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SB01@0-2.5'	Y906050-01	Soil	June 3, 2019 11:35	06/03/2019 16:05

Origins Laboratory, Inc.



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Jen Pellegrini For Noelle Doyle Mathis, President

Eagle Environmental Consulting, Inc.
4101 Inca Street
Denver CO 80211

Dan Coloccia
Project Number: [none]
Project: CPR - Vessels Minerals 19-15 Battery

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7906050

page 1 of 1

Client: EAGLE
Address: 4101 INCA ST.
DENVER, CO 80211
Telephone Number: 303-433-0479
Email Address: DANCOLLOCIA@EAGLE-EMIRO.COM

Project Manager: DANIEL COLACCIA
Project Name: CPR - VESSELS MINERALS 19-15 BATTERY
Project Number: SV
Samples Collected By: _____

1725 Elk Place | Phone: 303.433.1322 | Fax: 303.265.9645

Sample ID Description	Date Sampled	Time Sampled	# of Containers	Preservative				Matrix				Analysis				Sample Instructions	
				Unpreserved	HCl	HNO ₃	Other	Groundwater	Soil	Air Summa #	Other	PH	EC	TOC	TOH		
SB-01C-02.5'	6/3/19	11:25	2 X						X							1	CRESTONE RATES
																2	
																3	
																4	
																5	
																6	
																7	
																8	
																9	
																10	

Relinquished By: <u>[Signature]</u>	Date: <u>6/3/19</u>	Time: <u>16:05</u>	Received By: <u>[Signature]</u>	Date: <u>6-3-19</u>	Time: <u>16:05</u>	Turnaround Time: <input type="checkbox"/> 24 Hr <input type="checkbox"/> 48 Hr <input checked="" type="checkbox"/> Standard
Relinquished By: _____	Date: _____	Time: _____	Received By: _____	Date: _____	Time: _____	

Temp Received: 41.3 Date Results Needed: _____

Origins Laboratory, Inc.

Jefe Pellegrini

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Dan Coloccia

Project Number: [none]

Project: CPR - Vessels Minerals 19-15 Battery

Origins Laboratory

F-012207-01-R1

Effective Date: 01/09/12

Sample Receipt Checklist

Origins Work Order: Y906050

Client: Eagle

Client Project ID: Vessels Minerals

Checklist Completed by: JG

Shipped Via: HD

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

Date/time completed: 6 / 4 / 2019

Airbill #: N/A

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

Cooler Number/Temperature: 1 / 4.3 °C _____ / _____ °C _____ / _____ °C _____ / _____ °C (Describe)

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"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is there ice present (document if blue ice is used)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are custody seals present on cooler? (if so, document in comments if they are signed and dated, broken or intact)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input 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 type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Were all samples received intact ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Was adequate sample volume provided ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are short holding time analytes or samples with HTs due within 48 hours present ⁽¹⁾ ?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Is a chain-of-custody (COC) present and filled out completely ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Does the COC agree with the number and type of sample bottles received ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Do the sample IDs on the bottle labels match the COC ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is the COC properly relinquished by the client with date and time recorded ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
For volatiles in water – is there headspace (> ¼ inch bubble) present? If yes, contact client and note in narrative.	<input type="checkbox"/>	<input type="checkbox"/>	<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 type="checkbox"/>	<input type="checkbox"/>	<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) [Signature]

Date/Time Reviewed 6/5/19

Origins Laboratory, Inc.

Jefe Pellegrini

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Eagle Environmental Consulting, Inc.
4101 Inca Street
Denver CO 80211

Dan Coloccia
Project Number: [none]
Project: CPR - Vessels Minerals 19-15 Battery

SB01@0-2.5'
6/3/2019 11:35:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y906050-01 (Soil)

BTEX by EPA 8260D

Benzene	ND	0.050	mg/kg	25	B9F0403	JTD	06/04/2019	06/05/2019	U
Toluene	ND	0.050	"	"	"	JTD	"	"	U
Ethylbenzene	ND	0.050	"	"	"	JTD	"	"	U
Xylenes, total	ND	0.050	"	"	"	JTD	"	"	U

Surrogate: 1,2-Dichloroethane-d4	99.3 %	70-130			"	"	"
Surrogate: Toluene-d8	96.2 %	70-130			"	"	"
Surrogate: 4-Bromofluorobenzene	98.8 %	70-130			"	"	"

Metals (Saturated Paste Prep)

Calcium	4.30	me/L	1	'[none]'	06/05/2019	06/07/2019
Magnesium	2.59	"	"	"	"	"
Sodium	3.98	"	"	"	"	"

pH in Soil by EPA 9045D

pH	7.46	pH Units	1	B9F0408	OLAB	06/04/2019	06/04/2019
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SAR by 20B Saturated Paste

SAR	2.14		1	'[none]'	06/05/2019	06/07/2019
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Specific Conductance by Modified 9050A

Specific Conductance (EC)	0.187	0.00500	mmhos/cm	1	B9F0409	OLAB	06/04/2019	06/04/2019
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Project Number: [none]

Project: CPR - Vessels Minerals 19-15 Battery

SB01@0-2.5'

6/3/2019 11:35:00AM

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

Y906050-01 (Soil)

TPH-Carbon Chain by EPA 8015D

Gasoline (C6-C10)	ND	50.0	mg/kg	1	B9F0407	JTD	06/04/2019	06/05/2019	U
Diesel (C10-C28)	422	50.0	"	"	"	JTD	"	"	
Residual Range Organics (C28-C40)	ND	200	"	"	"	JTD	"	"	U

Surrogate: o-Terphenyl	89.2 %	50-150			"	"	"	
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Dan Coloccia

Project Number: [none]

Project: CPR - Vessels Minerals 19-15 Battery

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 B9F0403 - EPA 5030 (soil)

Blank (B9F0403-BLK1)

Prepared: 06/04/2019 Analyzed: 06/04/2019

Benzene	ND	0.002	mg/kg							U
Toluene	ND	0.002	"							U
Ethylbenzene	ND	0.002	"							U
Xylenes, total	ND	0.002	"							U
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		99.8	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		96.2	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		98.5	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 B9F0403 - EPA 5030 (soil)

Blank (B9F0403-BLK2)

Prepared: 06/04/2019 Analyzed: 06/05/2019

Benzene	ND	0.002	mg/kg							U
Toluene	ND	0.002	"							U
Ethylbenzene	ND	0.002	"							U
Xylenes, total	ND	0.002	"							U
Surrogate: 1,2-Dichloroethane-d4	0.13		"	0.125		101	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		94.7	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		99.8	70-130			

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Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B9F0403 - EPA 5030 (soil)

LCS (B9F0403-BS1)

Prepared: 06/04/2019 Analyzed: 06/04/2019

Benzene	0.107	0.002	mg/kg	0.100		107	70-130			
Toluene	0.100	0.002	"	0.100		100	70-130			
Ethylbenzene	0.098	0.002	"	0.100		97.8	70-130			
m,p-Xylene	0.202	0.004	"	0.200		101	70-130			
o-Xylene	0.104	0.002	"	0.100		104	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.15		"	0.125		116	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		93.7	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		99.4	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 B9F0403 - EPA 5030 (soil)

LCS (B9F0403-BS2)

Prepared: 06/04/2019 Analyzed: 06/05/2019

Benzene	0.097	0.002	mg/kg	0.100		97.1	70-130			
Toluene	0.089	0.002	"	0.100		89.0	70-130			
Ethylbenzene	0.095	0.002	"	0.100		95.2	70-130			
m,p-Xylene	0.193	0.004	"	0.200		96.4	70-130			
o-Xylene	0.100	0.002	"	0.100		100	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		97.8	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		95.9	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		104	70-130			

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Dan Coloccia

Project Number: [none]

Project: CPR - Vessels Minerals 19-15 Battery

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 B9F0403 - EPA 5030 (soil)

Matrix Spike (B9F0403-MS1)		Source: Y906049-01			Prepared: 06/04/2019 Analyzed: 06/04/2019					
Benzene	0.087	0.002	mg/kg	0.100	ND	87.1	70-130			
Toluene	0.079	0.002	"	0.100	ND	79.1	70-130			
Ethylbenzene	0.084	0.002	"	0.100	ND	84.2	70-130			
m,p-Xylene	0.172	0.004	"	0.200	ND	86.2	70-130			
o-Xylene	0.090	0.002	"	0.100	0.0004	90.1	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		99.5	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		94.8	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		103	70-130			

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Dan Coloccia

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 B9F0403 - EPA 5030 (soil)

Matrix Spike (B9F0403-MS2)		Source: Y906051-01			Prepared: 06/04/2019 Analyzed: 06/05/2019					
Benzene	0.099	0.002	mg/kg	0.100	ND	99.4	70-130			
Toluene	0.090	0.002	"	0.100	ND	89.6	70-130			
Ethylbenzene	0.096	0.002	"	0.100	ND	96.4	70-130			
m,p-Xylene	0.211	0.004	"	0.200	0.013	99.3	70-130			
o-Xylene	0.102	0.002	"	0.100	0.0004	102	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.13		"	0.125		105	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		95.1	70-130			
Surrogate: 4-Bromofluorobenzene	0.14		"	0.125		113	70-130			

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Dan Coloccia

Project Number: [none]

Project: CPR - Vessels Minerals 19-15 Battery

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 B9F0403 - EPA 5030 (soil)

Matrix Spike Dup (B9F0403-MSD1)		Source: Y906049-01			Prepared: 06/04/2019 Analyzed: 06/04/2019					
Benzene	0.098	0.002	mg/kg	0.100	ND	97.7	70-130	11.4	20	
Toluene	0.089	0.002	"	0.100	ND	89.5	70-130	12.4	20	
Ethylbenzene	0.094	0.002	"	0.100	ND	94.3	70-130	11.3	20	
m,p-Xylene	0.192	0.004	"	0.200	ND	95.8	70-130	10.6	20	
o-Xylene	0.101	0.002	"	0.100	0.0004	101	70-130	11.0	20	
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		97.9	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		95.3	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		104	70-130			

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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 B9F0403 - EPA 5030 (soil)

Matrix Spike Dup (B9F0403-MSD2)		Source: Y906051-01			Prepared: 06/04/2019 Analyzed: 06/05/2019					
Benzene	0.084	0.002	mg/kg	0.100	ND	84.5	70-130	16.2	20	
Toluene	0.075	0.002	"	0.100	ND	74.8	70-130	17.9	20	
Ethylbenzene	0.078	0.002	"	0.100	ND	78.5	70-130	20.5	20	QR-02
m,p-Xylene	0.169	0.004	"	0.200	0.013	78.4	70-130	21.9	20	QR-02
o-Xylene	0.083	0.002	"	0.100	0.0004	82.8	70-130	20.6	20	QR-02
Surrogate: 1,2-Dichloroethane-d4	0.13		"	0.125		105	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		94.5	70-130			
Surrogate: 4-Bromofluorobenzene	0.14		"	0.125		109	70-130			

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Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B9F0407 - EPA 3580

Blank (B9F0407-BLK1)

Prepared: 06/04/2019 Analyzed: 06/04/2019

Gasoline (C6-C10)	ND	50.0	mg/kg							U
Diesel (C10-C28)	ND	50.0	"							U
Residual Range Organics (C28-C40)	ND	200	"							U
Surrogate: o-Terphenyl	46.3		"	50.0		92.6	50-150			

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4101 Inca Street

Denver CO 80211

Dan Coloccia

Project Number: [none]

Project: CPR - Vessels Minerals 19-15 Battery

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B9F0407 - EPA 3580										
Blank (B9F0407-BLK2)					Prepared: 06/04/2019 Analyzed: 06/04/2019					
Gasoline (C6-C10)	ND	50.0	mg/kg							U
Diesel (C10-C28)	ND	50.0	"							U
Residual Range Organics (C28-C40)	ND	200	"							U
Surrogate: o-Terphenyl	42.5		"	50.0		85.0	50-150			

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Project Number: [none]

Project: CPR - Vessels Minerals 19-15 Battery

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 B9F0407 - EPA 3580

LCS (B9F0407-BS1)

Prepared: 06/04/2019 Analyzed: 06/04/2019

Gasoline (C6-C10)	1230	50.0	mg/kg	1000		123	70-130			
Diesel (C10-C28)	1020	50.0	"	1000		102	70-130			
Residual Range Organics (C28-C40)	876	200	"	1000		87.6	70-130			
Surrogate: o-Terphenyl	49.2		"	50.0		98.4	50-150			

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Denver CO 80211

Dan Coloccia

Project Number: [none]

Project: CPR - Vessels Minerals 19-15 Battery

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 B9F0407 - EPA 3580

LCS (B9F0407-BS2)

Prepared: 06/04/2019 Analyzed: 06/04/2019

Gasoline (C6-C10)	1160	50.0	mg/kg	1000		116	70-130			
Diesel (C10-C28)	942	50.0	"	1000		94.2	70-130			
Residual Range Organics (C28-C40)	828	200	"	1000		82.8	70-130			
Surrogate: o-Terphenyl	44.6		"	50.0		89.1	50-150			

Origins Laboratory, Inc.



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Eagle Environmental Consulting, Inc.

4101 Inca Street

Denver CO 80211

Dan Coloccia

Project Number: [none]

Project: CPR - Vessels Minerals 19-15 Battery

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 B9F0407 - EPA 3580

Matrix Spike (B9F0407-MS1)		Source: Y906049-01			Prepared: 06/04/2019 Analyzed: 06/04/2019					
Gasoline (C6-C10)	1000	50.0	mg/kg	1000	ND	100	70-130			
Diesel (C10-C28)	853	50.0	"	1000	33.5	82.0	70-130			
Residual Range Organics (C28-C40)	759	200	"	1000	26.9	73.2	70-130			
Surrogate: o-Terphenyl	36.7		"	50.0		73.5	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 B9F0407 - EPA 3580

Matrix Spike (B9F0407-MS2)		Source: Y906051-01			Prepared: 06/04/2019 Analyzed: 06/04/2019					
Gasoline (C6-C10)	1210	50.0	mg/kg	1000	24.4	119	70-130			
Diesel (C10-C28)	1070	50.0	"	1000	132	93.5	70-130			
Residual Range Organics (C28-C40)	946	200	"	1000	78.5	86.8	70-130			
Surrogate: o-Terphenyl	48.4		"	50.0		96.8	50-150			

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Jen Pellegrini For Noelle Doyle Mathis, President

Eagle Environmental Consulting, Inc.

4101 Inca Street

Denver CO 80211

Dan Coloccia

Project Number: [none]

Project: CPR - Vessels Minerals 19-15 Battery

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 B9F0407 - EPA 3580

Matrix Spike Dup (B9F0407-MSD1)		Source: Y906049-01			Prepared: 06/04/2019 Analyzed: 06/04/2019					
Gasoline (C6-C10)	1060	50.0	mg/kg	1000	ND	106	70-130	5.56	35	
Diesel (C10-C28)	888	50.0	"	1000	33.5	85.4	70-130	3.93	35	
Residual Range Organics (C28-C40)	806	200	"	1000	26.9	77.9	70-130	6.00	35	
Surrogate: o-Terphenyl	38.6		"	50.0		77.2	50-150			

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Dan Coloccia

Project Number: [none]

Project: CPR - Vessels Minerals 19-15 Battery

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 B9F0407 - EPA 3580

Matrix Spike Dup (B9F0407-MSD2)		Source: Y906051-01			Prepared: 06/04/2019 Analyzed: 06/04/2019					
Gasoline (C6-C10)	1200	50.0	mg/kg	1000	24.4	118	70-130	0.667	35	
Diesel (C10-C28)	1040	50.0	"	1000	132	90.5	70-130	2.79	35	
Residual Range Organics (C28-C40)	836	200	"	1000	78.5	75.7	70-130	12.4	35	
Surrogate: o-Terphenyl	51.0		"	50.0		102	50-150			

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Denver CO 80211

Dan Coloccia
Project Number: [none]
Project: CPR - Vessels Minerals 19-15 Battery

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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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 B9F0408 - NO PREP

Duplicate (B9F0408-DUP1)		Source: Y906049-01			Prepared: 06/04/2019 Analyzed: 06/04/2019					
pH	7.31		pH Units		6.78			7.52	25	

Batch B9F0409 - NO PREP

Blank (B9F0409-BLK1)		Prepared: 06/04/2019 Analyzed: 06/04/2019								
Specific Conductance (EC)	0.00200	0.00500	mmhos/cm							
Duplicate (B9F0409-DUP1)		Source: Y906050-01			Prepared: 06/04/2019 Analyzed: 06/04/2019					
Specific Conductance (EC)	0.156	0.00509	mmhos/cm		0.187			17.7	25	

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Dan Coloccia

Project Number: [none]

Project: CPR - Vessels Minerals 19-15 Battery

Notes and Definitions

U Sample is Non-Detect.

QR-02 The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

All soil results are reported at a wet weight basis.

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