

April 06, 2018

SRC Energy

Dave Castro

5400 W 11th Street

Greely

CO 80634

Project Name - Hergert 8-34 TB Vault Pit**Project Number - [none]**

Attached are your analytical results for Hergert 8-34 TB Vault Pit received by Origins Laboratory, Inc. April 03, 2018. This project is associated with Origins project number Y804047-01.

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



SRC Energy

5400 W 11th Street

Greely CO 80634

Dave Castro

Project Number: [none]

Project: Hergert 8-34 TB Vault Pit

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
WSS @ 2.5'	Y804047-01	Soil	April 2, 2018 10:52	04/03/2018 16:08
BSS @ 6'	Y804047-02	Soil	April 2, 2018 10:54	04/03/2018 16:08

Origins Laboratory, Inc.



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Jen Pellegrini, Project Manager

SRC Energy
5400 W 11th Street
Greely CO 80634

Dave Castro
Project Number: [none]
Project: Hergert 8-34 TB Vault Pit

ORIGINS
LABORATORY, INC


www.originslaboratory.com

Y404047

page 1 of 1

Client: SRC Energy, Inc.
Address: 5400 W. 11th St., Ste. C, Greeley, CO 80634
Telephone Number: 970-475-5245
Email Address: dcastro@srcenergy.com

Project Manager: Dave Castro
Project Name: Hergert 8-34 TB Vault Pit
Project Number:
Samples Collected By: dcastro@srcenergy.com

Sample ID Description	Date Sampled	Time Sampled	# of Containers	Preservative				Matrix			Analysis	Sample Instructions
				Unpreserved	HCl	HNO ₃	Other	Groundwater	Soil	Air Summa #		
WSS @ 2.5'	4/2/18	10:52	2	X					X		DEO GARD BTEX EC/PAH/PAE	1
BSS @ 6'	4/2/18	10:54	2	X					X		X X X	2
												3
												4
												5
												6
												7
												8
												9
												10
Relinquished By: Dave Castro	Date: 4/3/18	Time: 16:08	Time: 16:08	Received By: 				Date: 4/3/18			Time: 16:08	Turnaround Time: Same Day <input type="checkbox"/> 24 Hr <input checked="" type="checkbox"/> 48 Hr <input type="checkbox"/> 72 Hr <input type="checkbox"/> Standard <input type="checkbox"/>
Relinquished By:	Date:	Time:	Time:	Received By:				Date:			Time:	

4.9 Date Results Needed

1725 Elk Place | Denver, CO 80211 | Phone: 303.433.1322 | Fax: 303.265.9645

Origins Laboratory, Inc.

Jen Pellegrini

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Jen Pellegrini, Project Manager

SRC Energy
5400 W 11th Street
Greely CO 80634

Dave Castro
Project Number: [none]
Project: Hergert 8-34 TB Vault Pit

Origins Laboratory

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

Sample Receipt Checklist

Origins Work Order: Y804047

Client: SRC Energy

Client Project ID: Hergert 8-34 TB Vault Pit

Checklist Completed by: JG

Shipped Via: MD

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

Date/time completed: 4/3/18

Airbill #: N/A

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

Cooler Number/Temperature: 1 4.9 °C 1 °C 1 °C 1 °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 checked="" type="checkbox"/>	<input 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) JG

Date/Time Reviewed 4/4/18

Origins Laboratory, Inc.

Jen Pellegrini

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Jen Pellegrini, Project Manager

SRC Energy
5400 W 11th Street
Greely CO 80634

Dave Castro
Project Number: [none]
Project: Hergert 8-34 TB Vault Pit

WSS @ 2.5'
4/2/2018 10:52:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y804047-01 (Soil)

Diesel Range Organics (DRO/TEPH) by EPA 8015C

Diesel (C10-C28)	ND	50.0	mg/kg	1	B8D0307	04/03/2018	04/04/2018	U
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Surrogate: o-Terphenyl	109 %	59-131			"	"	"	
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GBTEX by EPA 8260C

Gasoline Range Hydrocarbons	ND	0.200	mg/kg	1	B8D0306	"	04/04/2018	U
Benzene	ND	0.002	"	"	"	"	"	U
Toluene	ND	0.002	"	"	"	"	"	U
Ethylbenzene	ND	0.002	"	"	"	"	"	U
Xylenes, total	ND	0.002	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4	103 %	70-130			"	"	"	
Surrogate: Toluene-d8	99.8 %	70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	99.3 %	70-130			"	"	"	

Metals (Saturated Paste Prep)

Calcium	24.99		me/L	1	'[none]'	04/04/2018	04/05/2018	
Magnesium	18.48		"	"	"	"	"	
Sodium	6.62		"	"	"	"	"	

pH in Soil by EPA 9045D

pH	7.39		pH Units	1	B8D0309	04/03/2018	04/03/2018	
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SRC Energy

5400 W 11th Street

Greely CO 80634

Dave Castro

Project Number: [none]

Project: Hergert 8-34 TB Vault Pit

WSS @ 2.5'

4/2/2018 10:52:00AM

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Notes
		Limit						

Origins Laboratory, Inc.
Y804047-01 (Soil)

SAR by 20B Saturated Paste

SAR	1.42		1	'[none]'	04/04/2018	04/05/2018
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Specific Conductance by Modified 9050A

Specific Conductance (EC)	0.527	mmhos/cm	1	B8D0310	04/03/2018	04/03/2018
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Jen Pellegrini, Project Manager

SRC Energy
5400 W 11th Street
Greely CO 80634

Dave Castro
Project Number: [none]
Project: Hergert 8-34 TB Vault Pit

BSS @ 6'
4/2/2018 10:54:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y804047-02 (Soil)

Diesel Range Organics (DRO/TEPH) by EPA 8015C

Diesel (C10-C28)	ND	50.0	mg/kg	1	B8D0307	04/03/2018	04/04/2018	U
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Surrogate: o-Terphenyl	93.8 %	59-131			"	"	"	
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GBTEX by EPA 8260C

Gasoline Range Hydrocarbons	ND	0.200	mg/kg	1	B8D0306	"	04/04/2018	U
Benzene	ND	0.002	"	"	"	"	"	U
Toluene	ND	0.002	"	"	"	"	"	U
Ethylbenzene	ND	0.002	"	"	"	"	"	U
Xylenes, total	ND	0.002	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4	106 %	70-130			"	"	"	
Surrogate: Toluene-d8	99.9 %	70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	101 %	70-130			"	"	"	

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Jen Pellegrini, Project Manager

SRC Energy
5400 W 11th Street
Greely CO 80634

Dave Castro
Project Number: [none]
Project: Hergert 8-34 TB Vault Pit

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B8D0306 - EPA 5030 (soil)										
Blank (B8D0306-BLK1)					Prepared: 04/03/2018 Analyzed: 04/03/2018					
Gasoline Range Hydrocarbons	ND	0.200	mg/kg							U
Benzene	ND	0.002	"							U
Toluene	ND	0.002	"							U
Ethylbenzene	ND	0.002	"							U
Xylenes, total	ND	0.002	"							U
Surrogate: 1,2-Dichloroethane-d4	69		ug/kg	62.5		110	70-130			
Surrogate: Toluene-d8	63		"	62.5		101	70-130			
Surrogate: 4-Bromofluorobenzene	63		"	62.5		101	70-130			

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Jen Pellegrini, Project Manager

SRC Energy
5400 W 11th Street
Greely CO 80634

Dave Castro
Project Number: [none]
Project: Hergert 8-34 TB Vault Pit

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B8D0306 - EPA 5030 (soil)										
Blank (B8D0306-BLK2)					Prepared: 04/03/2018 Analyzed: 04/03/2018					
Gasoline Range Hydrocarbons	ND	0.200	mg/kg							U
Benzene	ND	0.002	"							U
Toluene	ND	0.002	"							U
Ethylbenzene	ND	0.002	"							U
Xylenes, total	ND	0.002	"							U
Surrogate: 1,2-Dichloroethane-d4	73		ug/kg	62.5		116	70-130			
Surrogate: Toluene-d8	63		"	62.5		100	70-130			
Surrogate: 4-Bromofluorobenzene	64		"	62.5		103	70-130			

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Dave Castro
Project Number: [none]
Project: Hergert 8-34 TB Vault Pit

Volatile Organic Compounds by GC/MS SW846 8260C - 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 B8D0306 - EPA 5030 (soil)

LCS (B8D0306-BS1)

Prepared: 04/03/2018 Analyzed: 04/03/2018

Benzene	0.099	0.002	mg/kg	0.100		99.2	77.1-124			
Toluene	0.100	0.002	"	0.100		100	74.5-128			
Ethylbenzene	0.104	0.002	"	0.100		104	66.4-127			
m,p-Xylene	0.224	0.004	"	0.200		112	76.6-124			
o-Xylene	0.110	0.002	"	0.100		110	76.6-124			
Surrogate: 1,2-Dichloroethane-d4	73		ug/kg	62.5		117	70-130			
Surrogate: Toluene-d8	63		"	62.5		101	70-130			
Surrogate: 4-Bromofluorobenzene	65		"	62.5		105	70-130			

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SRC Energy
5400 W 11th Street
Greely CO 80634

Dave Castro
Project Number: [none]
Project: Hergert 8-34 TB Vault Pit

Volatile Organic Compounds by GC/MS SW846 8260C - 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 B8D0306 - EPA 5030 (soil)

LCS (B8D0306-BS2)

Prepared: 04/03/2018 Analyzed: 04/03/2018

Benzene	0.093	0.002	mg/kg	0.100		93.0	77.1-124			
Toluene	0.094	0.002	"	0.100		93.9	74.5-128			
Ethylbenzene	0.096	0.002	"	0.100		96.2	66.4-127			
m,p-Xylene	0.207	0.004	"	0.200		103	76.6-124			
o-Xylene	0.103	0.002	"	0.100		103	76.6-124			
Surrogate: 1,2-Dichloroethane-d4	73		ug/kg	62.5		116	70-130			
Surrogate: Toluene-d8	63		"	62.5		101	70-130			
Surrogate: 4-Bromofluorobenzene	65		"	62.5		103	70-130			

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SRC Energy
5400 W 11th Street
Greely CO 80634

Dave Castro
Project Number: [none]
Project: Hergert 8-34 TB Vault Pit

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B8D0306 - EPA 5030 (soil)										
Matrix Spike (B8D0306-MS1)		Source: Y804044-02			Prepared: 04/03/2018 Analyzed: 04/03/2018					
Benzene	0.085	0.002	mg/kg	0.100	0.002	83.9	71.8-126			
Toluene	0.084	0.002	"	0.100	0.006	77.6	65.1-130			
Ethylbenzene	0.080	0.002	"	0.100	ND	80.4	62.2-130			
m,p-Xylene	0.105	0.004	"	0.200	0.048	28.4	46.5-137			QM-07
o-Xylene	0.106	0.002	"	0.100	0.080	25.5	54.2-134			QM-07
Surrogate: 1,2-Dichloroethane-d4	70		ug/kg	62.5		112	70-130			
Surrogate: Toluene-d8	63		"	62.5		101	70-130			
Surrogate: 4-Bromofluorobenzene	68		"	62.5		109	70-130			

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Jen Pellegrini, Project Manager

SRC Energy
5400 W 11th Street
Greely CO 80634

Dave Castro
Project Number: [none]
Project: Hergert 8-34 TB Vault Pit

Volatile Organic Compounds by GC/MS SW846 8260C - 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 B8D0306 - EPA 5030 (soil)

Matrix Spike (B8D0306-MS2)		Source: Y803517-02			Prepared: 04/03/2018 Analyzed: 04/03/2018					
Benzene	0.101	0.002	mg/kg	0.100	ND	101	71.8-126			
Toluene	0.102	0.002	"	0.100	0.0009	101	65.1-130			
Ethylbenzene	0.105	0.002	"	0.100	ND	105	62.2-130			
m,p-Xylene	0.220	0.004	"	0.200	0.001	109	46.5-137			
o-Xylene	0.109	0.002	"	0.100	0.0003	109	54.2-134			
Surrogate: 1,2-Dichloroethane-d4	60		ug/kg	62.5		96.5	70-130			
Surrogate: Toluene-d8	63		"	62.5		101	70-130			
Surrogate: 4-Bromofluorobenzene	63		"	62.5		102	70-130			

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Jen Pellegrini, Project Manager

SRC Energy
5400 W 11th Street
Greely CO 80634

Dave Castro
Project Number: [none]
Project: Hergert 8-34 TB Vault Pit

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B8D0306 - EPA 5030 (soil)										
Matrix Spike Dup (B8D0306-MSD1)										
					Source: Y804044-02					
										Prepared: 04/03/2018 Analyzed: 04/03/2018
Benzene	0.097	0.002	mg/kg	0.100	0.002	95.0	71.8-126	12.3	11.3	QR-02
Toluene	0.098	0.002	"	0.100	0.006	91.5	65.1-130	15.3	15.4	
Ethylbenzene	0.096	0.002	"	0.100	ND	96.2	62.2-130	17.9	19.6	
m,p-Xylene	0.147	0.004	"	0.200	0.048	49.4	46.5-137	33.3	19.2	QR-03
o-Xylene	0.120	0.002	"	0.100	0.080	39.7	54.2-134	12.6	17.9	QM-07
Surrogate: 1,2-Dichloroethane-d4	64		ug/kg	62.5		102	70-130			
Surrogate: Toluene-d8	63		"	62.5		100	70-130			
Surrogate: 4-Bromofluorobenzene	68		"	62.5		109	70-130			

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Jen Pellegrini, Project Manager

SRC Energy
5400 W 11th Street
Greely CO 80634

Dave Castro
Project Number: [none]
Project: Hergert 8-34 TB Vault Pit

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B8D0306 - EPA 5030 (soil)										
Matrix Spike Dup (B8D0306-MSD2)					Source: Y803517-02					Prepared: 04/03/2018 Analyzed: 04/03/2018
Benzene	0.102	0.002	mg/kg	0.100	ND	102	71.8-126	1.15	11.3	
Toluene	0.102	0.002	"	0.100	0.0009	101	65.1-130	0.314	15.4	
Ethylbenzene	0.104	0.002	"	0.100	ND	104	62.2-130	0.325	19.6	
m,p-Xylene	0.220	0.004	"	0.200	0.001	109	46.5-137	0.173	19.2	
o-Xylene	0.109	0.002	"	0.100	0.0003	109	54.2-134	0.146	17.9	
Surrogate: 1,2-Dichloroethane-d4	60		ug/kg	62.5		95.4	70-130			
Surrogate: Toluene-d8	62		"	62.5		98.7	70-130			
Surrogate: 4-Bromofluorobenzene	63		"	62.5		101	70-130			

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Jen Pellegrini, Project Manager

SRC Energy
5400 W 11th Street
Greely CO 80634

Dave Castro
Project Number: [none]
Project: Hergert 8-34 TB Vault Pit

Volatile Organic Compounds by GC/MS SW846 8260C - 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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Extractable Petroleum Hydrocarbons by 8015C - 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 B8D0307 - EPA 3550B

Blank (B8D0307-BLK1)

Prepared: 04/03/2018 Analyzed: 04/03/2018

Diesel (C10-C28)	ND	50.0	mg/kg							U
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Surrogate: o-Terphenyl

53	"	50.0	105	59-131
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Blank (B8D0307-BLK2)

Prepared: 04/03/2018 Analyzed: 04/04/2018

Diesel (C10-C28)	ND	50.0	mg/kg							U
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Surrogate: o-Terphenyl

43	"	50.0	86.2	59-131
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LCS (B8D0307-BS1)

Prepared: 04/03/2018 Analyzed: 04/03/2018

Diesel (C10-C28)	908	50.0	mg/kg	1000	90.8	64-121
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Surrogate: o-Terphenyl

48	"	50.0	95.1	59-131
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LCS (B8D0307-BS2)

Prepared: 04/03/2018 Analyzed: 04/04/2018

Diesel (C10-C28)	1040	50.0	mg/kg	1000	104	64-121
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Surrogate: o-Terphenyl

53	"	50.0	106	59-131
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Matrix Spike (B8D0307-MS1)

Source: Y804044-02

Prepared: 04/03/2018 Analyzed: 04/03/2018

Diesel (C10-C28)	1040	50.0	mg/kg	1000	22.9	102	53-125
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Surrogate: o-Terphenyl

54	"	50.0	108	59-131
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Matrix Spike (B8D0307-MS2)

Source: Y803517-02

Prepared: 04/03/2018 Analyzed: 04/04/2018

Diesel (C10-C28)	928	50.0	mg/kg	1000	ND	92.8	53-125
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Surrogate: o-Terphenyl

52	"	50.0	105	59-131
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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.

SRC Energy
5400 W 11th Street
Greely CO 80634

Dave Castro
Project Number: [none]
Project: Hergert 8-34 TB Vault Pit

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B8D0307 - EPA 3550B										
Matrix Spike Dup (B8D0307-MSD1)			Source: Y804044-02		Prepared: 04/03/2018 Analyzed: 04/03/2018					
Diesel (C10-C28)	1040	50.0	mg/kg	1000	22.9	102	53-125	0.0953	20	
Surrogate: o-Terphenyl	51		"	50.0		102	59-131			
Matrix Spike Dup (B8D0307-MSD2)			Source: Y803517-02		Prepared: 04/03/2018 Analyzed: 04/04/2018					
Diesel (C10-C28)	926	50.0	mg/kg	1000	ND	92.6	53-125	0.198	20	
Surrogate: o-Terphenyl	52		"	50.0		105	59-131			

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Jen Pellegrini, Project Manager

SRC Energy
5400 W 11th Street
Greely CO 80634

Dave Castro
Project Number: [none]
Project: Hergert 8-34 TB Vault Pit

Classical Chemistry Parameters - Quality Control Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B8D0309 - NO PREP										
Duplicate (B8D0309-DUP1)		Source: Y804047-01			Prepared: 04/03/2018 Analyzed: 04/03/2018					
pH	7.16		pH Units		7.39			3.16	25	
Batch B8D0310 - NO PREP										
Blank (B8D0310-BLK1)		Prepared: 04/03/2018 Analyzed: 04/03/2018								
Specific Conductance (EC)	0.00200		mmhos/cm							
Duplicate (B8D0310-DUP1)		Source: Y804047-01			Prepared: 04/03/2018 Analyzed: 04/03/2018					
Specific Conductance (EC)	0.476		mmhos/cm		0.527			10.1	25	

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Jen Pellegrini, Project Manager

SRC Energy

5400 W 11th Street

Greely CO 80634

Dave Castro

Project Number: [none]

Project: Hergert 8-34 TB Vault Pit

Notes and Definitions

U Sample is Non-Detect.

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.

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.

QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

All soil results are reported at a wet weight basis.

Origins Laboratory, Inc.



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Jen Pellegrini, Project Manager