

February 22, 2017

**Olsson Associates**

**Jason Davidson**

**4690 Table Mountain Drive**

**Golden CO 80403**

**Project Name - Postle Drill Pad Spill #2**

**Project Number - 017-0418**

Attached are your analytical results for Postle Drill Pad Spill #2 received by Origins Laboratory, Inc. February 15, 2017. This project is associated with Origins project number X702272-01.

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



Olsson Associates  
4690 Table Mountain Drive  
Golden CO 80403

Jason Davidson  
Project Number: 017-0418  
Project: Postle Drill Pad Spill #2

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Postle2-01	X702272-01	Soil	February 15, 2017 13:00	02/15/2017 15:10
Postle2-02	X702272-02	Soil	February 15, 2017 13:15	02/15/2017 15:10
Postle2-03	X702272-03	Soil	February 15, 2017 13:30	02/15/2017 15:10
Postle2-04	X702272-04	Soil	February 15, 2017 13:40	02/15/2017 15:10

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**ORIGINS**  
 LABORATORY, INC

X7102272

Client: Olsson Associates Project Manager: Jason Davidson  
 Address: 4690 Table Mountain Drive Suite 200 Project Name: Postle Drill Pad Spill #2  
Golden CO 80403 Project Number: 017-0418  
 Telephone Number: 303-374-3118 Samples Collected By: Therese  
 Email Address: tdav@olssonassociates.com

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

Sample ID Description	Date Sampled	Time Sampled	# of Containers	Preservative				Matrix			Analysis	Sample Instructions	
				Unpreserved	HCl	HNO <sub>3</sub>	Other	Groundwater	Soil	Air Summa #			Other
POSTLEZ-01	2/15/17	1300	2	✓				✓			✓		
POSTLEZ-02	2/15/17	1315	2	✓				✓			✓		
POSTLEZ-03	2/15/17	1330	2	✓				✓			✓		
POSTLEZ-04	2/15/17	1340	2	✓				✓			✓		
<del>POSTLEZ-05</del>													
Relinquished By: <u>[Signature]</u>	Date: <u>2/15/17</u>	Time: <u>1510</u>	Received By: <u>[Signature]</u>	Date: <u>2-15-17</u>	Time: <u>1510</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:								

Date Results Needed

43°C

Temp Received:

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*Jefe Pellegrini*

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

**Sample Receipt Checklist**

Origins Work Order: 2702272 Client: Olsson Associates  
 Client Project ID: Postle Drill Pad Spill #2

Checklist Completed by: DAW Shipped Via: HD  
 (UPS, FedEx, Hand Delivered, Pick-up, etc.)  
 Date/time completed: 2-15-17 1600 Airbill #: NA

Matrix(s) Received: (Check all that apply):  Soil/Solid  Water  Other: \_\_\_\_\_  
 (Describe)

Cooler Number/Temperature: 1 / 4.3 °C 1 °C 1 °C 1 °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 <sup>(1)?</sup>	<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 <sup>(1)?</sup>	<input checked="" type="checkbox"/>			
Was adequate sample volume provided <sup>(1)?</sup>	<input checked="" type="checkbox"/>			
Are short holding time analytes or samples with HTs due within 48 hours present <sup>(1)?</sup>		<input checked="" type="checkbox"/>		
Is a chain-of-custody (COC) present and filled out completely <sup>(1)?</sup>	<input checked="" type="checkbox"/>			
Does the COC agree with the number and type of sample bottles received <sup>(1)?</sup>	<input checked="" type="checkbox"/>			
Do the sample IDs on the bottle labels match the COC <sup>(1)?</sup>	<input checked="" type="checkbox"/>			
Is the COC properly relinquished by the client with date and time recorded <sup>(1)?</sup>	<input checked="" type="checkbox"/>			
For volatiles in water – is there headspace (> ¼ inch bubble) present? <b>If yes, contact client and note in narrative.</b>			<input checked="" type="checkbox"/>	
Are samples preserved that require preservation and was it checked <sup>(1)?</sup> (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 <sub>3</sub> , HCL, H <sub>2</sub> SO <sub>4</sub> ) / (pH >10 for samples preserved with Na <sub>2</sub> SO <sub>3</sub> +NaOH, ZnAc+NaOH)		<input checked="" type="checkbox"/>		
Additional Comments (if any):				

<sup>(1)</sup>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: [Signature] (Project Manager) Date/Time Reviewed: 2/16/17

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[Signature]

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 Golden CO 80403

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**Postle2-01**  
**2/15/2017 1:00:00PM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**X702272-01 (Soil)**

**BTEX by EPA 8260C**

Benzene	ND	0.050	mg/kg	25	B7B2101	02/21/2017	02/21/2017	U
Toluene	ND	0.050	"	"	"	"	"	U
Ethylbenzene	ND	0.050	"	"	"	"	"	U
Xylenes, total	<b>0.376</b>	0.050	"	"	"	"	"	

Surrogate: 1,2-Dichloroethane-d4	101 %	70-130			"	"	"	
Surrogate: Toluene-d8	99.4 %	70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	96.3 %	70-130			"	"	"	

**GRO (TVPH)/DRO (TEPH)by EPA 8015C**

Gasoline (C6-C10)	<b>344</b>	50.0	mg/kg	1	B7B2103	02/21/2017	02/21/2017	
Diesel (C10-C28)	<b>2280</b>	50.0	"	"	"	"	"	

Surrogate: o-Terphenyl	109 %	59-131			"	"	"	
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**Postle2-02**  
**2/15/2017 1:15:00PM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**X702272-02 (Soil)**

**BTEX by EPA 8260C**

Benzene	ND	0.050	mg/kg	25	B7B2101	02/21/2017	02/21/2017	U
Toluene	ND	0.050	"	"	"	"	"	U
Ethylbenzene	ND	0.050	"	"	"	"	"	U
Xylenes, total	ND	0.050	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4	103 %	70-130			"	"	"	
Surrogate: Toluene-d8	100 %	70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	96.8 %	70-130			"	"	"	

**GRO (TVPH)/DRO (TEPH)by EPA 8015C**

Gasoline (C6-C10)	ND	50.0	mg/kg	1	B7B2103	02/21/2017	02/21/2017	U
Diesel (C10-C28)	<b>219</b>	50.0	"	"	"	"	"	

Surrogate: o-Terphenyl	86.4 %	59-131			"	"	"	
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**Postle2-03**  
**2/15/2017 1:30:00PM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**X702272-03 (Soil)**

**BTEX by EPA 8260C**

Benzene	ND	0.050	mg/kg	25	B7B2101	02/21/2017	02/21/2017	U
Toluene	ND	0.050	"	"	"	"	"	U
Ethylbenzene	ND	0.050	"	"	"	"	"	U
Xylenes, total	<b>0.054</b>	0.050	"	"	"	"	"	

Surrogate: 1,2-Dichloroethane-d4	106 %	70-130			"	"	"	
Surrogate: Toluene-d8	102 %	70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	97.4 %	70-130			"	"	"	

**GRO (TVPH)/DRO (TEPH)by EPA 8015C**

Gasoline (C6-C10)	<b>148</b>	50.0	mg/kg	1	B7B2103	02/21/2017	02/21/2017	
Diesel (C10-C28)	<b>1570</b>	50.0	"	"	"	"	"	

Surrogate: o-Terphenyl	121 %	59-131			"	"	"	
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**Postle2-04**  
**2/15/2017 1:40:00PM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**X702272-04 (Soil)**

**BTEX by EPA 8260C**

Benzene	ND	0.002	mg/kg	1	B7B2101	02/21/2017	02/21/2017	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	98.4 %	70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	100 %	70-130			"	"	"	

**GRO (TVPH)/DRO (TEPH)by EPA 8015C**

Gasoline (C6-C10)	ND	50.0	mg/kg	1	B7B2103	02/21/2017	02/21/2017	U
Diesel (C10-C28)	ND	50.0	"	"	"	"	"	U

Surrogate: o-Terphenyl	100 %	59-131			"	"	"	
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**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 B7B2101 - EPA 5030 (soil)**

**Blank (B7B2101-BLK1)**

Prepared: 02/21/2017 Analyzed: 02/21/2017

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	69		ug/kg	62.5		110	70-130			
Surrogate: Toluene-d8	63		"	62.5		100	70-130			
Surrogate: 4-Bromofluorobenzene	62		"	62.5		99.6	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 B7B2101 - EPA 5030 (soil)**

**Blank (B7B2101-BLK2)**

Prepared: 02/21/2017 Analyzed: 02/21/2017

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	60		ug/kg	62.5	95.8		70-130			
Surrogate: Toluene-d8	62		"	62.5	99.0		70-130			
Surrogate: 4-Bromofluorobenzene	63		"	62.5	100		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 B7B2101 - EPA 5030 (soil)**

**Blank (B7B2101-BLK3)**

Prepared: 02/21/2017 Analyzed: 02/21/2017

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	59		ug/kg	62.5	94.8		70-130			
Surrogate: Toluene-d8	62		"	62.5	99.0		70-130			
Surrogate: 4-Bromofluorobenzene	63		"	62.5	101		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 B7B2101 - EPA 5030 (soil)**

**LCS (B7B2101-BS1)**

Prepared: 02/21/2017 Analyzed: 02/21/2017

Benzene	0.098	0.002	mg/kg	0.100		97.9	77.1-124			
Toluene	0.095	0.002	"	0.100		95.1	74.5-128			
Ethylbenzene	0.089	0.002	"	0.100		89.0	66.4-127			
m,p-Xylene	0.175	0.004	"	0.200		87.4	76.6-124			
o-Xylene	0.094	0.002	"	0.100		94.2	76.6-124			
Surrogate: 1,2-Dichloroethane-d4	55		ug/kg	62.5		87.8	70-130			
Surrogate: Toluene-d8	63		"	62.5		100	70-130			
Surrogate: 4-Bromofluorobenzene	63		"	62.5		101	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 B7B2101 - EPA 5030 (soil)**

**LCS (B7B2101-BS2)**

Prepared: 02/21/2017 Analyzed: 02/21/2017

Benzene	0.101	0.002	mg/kg	0.100		101	77.1-124			
Toluene	0.100	0.002	"	0.100		100	74.5-128			
Ethylbenzene	0.099	0.002	"	0.100		98.6	66.4-127			
m,p-Xylene	0.206	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	54		ug/kg	62.5		86.2	70-130			
Surrogate: Toluene-d8	62		"	62.5		99.9	70-130			
Surrogate: 4-Bromofluorobenzene	63		"	62.5		100	70-130			

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**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 B7B2101 - EPA 5030 (soil)**

**LCS (B7B2101-BS3)**

Prepared: 02/21/2017 Analyzed: 02/21/2017

Benzene	0.104	0.002	mg/kg	0.100		104	77.1-124			
Toluene	0.099	0.002	"	0.100		99.5	74.5-128			
Ethylbenzene	0.099	0.002	"	0.100		99.2	66.4-127			
m,p-Xylene	0.206	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	60		ug/kg	62.5		95.8	70-130			
Surrogate: Toluene-d8	61		"	62.5		97.8	70-130			
Surrogate: 4-Bromofluorobenzene	61		"	62.5		98.3	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 B7B2101 - EPA 5030 (soil)

Matrix Spike (B7B2101-MS1)	Source: X702288-06			Prepared: 02/21/2017 Analyzed: 02/21/2017						
Benzene	0.105	0.002	mg/kg	0.100	ND	105	71.8-126			
Toluene	0.103	0.002	"	0.100	ND	103	65.1-130			
Ethylbenzene	0.104	0.002	"	0.100	ND	104	62.2-130			
m,p-Xylene	0.215	0.004	"	0.200	ND	108	46.5-137			
o-Xylene	0.107	0.002	"	0.100	ND	107	54.2-134			
Surrogate: 1,2-Dichloroethane-d4	53		ug/kg	62.5		84.1	70-130			
Surrogate: Toluene-d8	62		"	62.5		100	70-130			
Surrogate: 4-Bromofluorobenzene	63		"	62.5		100	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 B7B2101 - EPA 5030 (soil)

Matrix Spike (B7B2101-MS2)	Source: X702287-02			Prepared: 02/21/2017 Analyzed: 02/21/2017						
Benzene	0.099	0.002	mg/kg	0.100	ND	99.3	71.8-126			
Toluene	0.096	0.002	"	0.100	ND	95.6	65.1-130			
Ethylbenzene	0.095	0.002	"	0.100	0.001	93.7	62.2-130			
m,p-Xylene	0.197	0.004	"	0.200	ND	98.3	46.5-137			
o-Xylene	0.099	0.002	"	0.100	0.0008	97.9	54.2-134			
Surrogate: 1,2-Dichloroethane-d4	68		ug/kg	62.5		110	70-130			
Surrogate: Toluene-d8	62		"	62.5		99.0	70-130			
Surrogate: 4-Bromofluorobenzene	63		"	62.5		101	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 B7B2101 - EPA 5030 (soil)

Matrix Spike (B7B2101-MS3)	Source: X702272-04			Prepared: 02/21/2017 Analyzed: 02/21/2017						
Benzene	0.102	0.002	mg/kg	0.100	ND	102	71.8-126			
Toluene	0.097	0.002	"	0.100	ND	97.4	65.1-130			
Ethylbenzene	0.095	0.002	"	0.100	ND	95.0	62.2-130			
m,p-Xylene	0.196	0.004	"	0.200	ND	97.9	46.5-137			
o-Xylene	0.098	0.002	"	0.100	0.0005	97.9	54.2-134			
Surrogate: 1,2-Dichloroethane-d4	59		ug/kg	62.5		95.0	70-130			
Surrogate: Toluene-d8	61		"	62.5		98.2	70-130			
Surrogate: 4-Bromofluorobenzene	63		"	62.5		100	70-130			

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Olsson Associates  
 4690 Table Mountain Drive  
 Golden CO 80403

Jason Davidson  
 Project Number: 017-0418  
 Project: Postle Drill Pad Spill #2

**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 B7B2101 - EPA 5030 (soil)

Matrix Spike Dup (B7B2101-MSD1)	Source: X702288-06			Prepared: 02/21/2017 Analyzed: 02/21/2017						
Benzene	0.103	0.002	mg/kg	0.100	ND	103	71.8-126	2.62	11.3	
Toluene	0.100	0.002	"	0.100	ND	100	65.1-130	2.90	15.4	
Ethylbenzene	0.100	0.002	"	0.100	ND	100	62.2-130	3.59	19.6	
m,p-Xylene	0.209	0.004	"	0.200	ND	104	46.5-137	3.00	19.2	
o-Xylene	0.104	0.002	"	0.100	ND	104	54.2-134	2.26	17.9	
Surrogate: 1,2-Dichloroethane-d4	59		ug/kg	62.5		94.5	70-130			
Surrogate: Toluene-d8	62		"	62.5		99.0	70-130			
Surrogate: 4-Bromofluorobenzene	62		"	62.5		99.8	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 B7B2101 - EPA 5030 (soil)

Matrix Spike Dup (B7B2101-MSD2)	Source: X702287-02			Prepared: 02/21/2017 Analyzed: 02/21/2017						
Benzene	0.096	0.002	mg/kg	0.100	ND	95.9	71.8-126	3.46	11.3	
Toluene	0.092	0.002	"	0.100	ND	92.4	65.1-130	3.38	15.4	
Ethylbenzene	0.090	0.002	"	0.100	0.001	88.6	62.2-130	5.62	19.6	
m,p-Xylene	0.185	0.004	"	0.200	ND	92.3	46.5-137	6.29	19.2	
o-Xylene	0.094	0.002	"	0.100	0.0008	93.3	54.2-134	4.73	17.9	
Surrogate: 1,2-Dichloroethane-d4	56		ug/kg	62.5		89.3	70-130			
Surrogate: Toluene-d8	63		"	62.5		100	70-130			
Surrogate: 4-Bromofluorobenzene	62		"	62.5		99.9	70-130			

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**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 B7B2101 - EPA 5030 (soil)

Matrix Spike Dup (B7B2101-MSD3)	Source: X702272-04			Prepared: 02/21/2017 Analyzed: 02/21/2017						
Benzene	0.115	0.002	mg/kg	0.100	ND	115	71.8-126	11.7	11.3	QR-02
Toluene	0.110	0.002	"	0.100	ND	110	65.1-130	12.6	15.4	
Ethylbenzene	0.108	0.002	"	0.100	ND	108	62.2-130	12.6	19.6	
m,p-Xylene	0.229	0.004	"	0.200	ND	114	46.5-137	15.5	19.2	
o-Xylene	0.113	0.002	"	0.100	0.0005	113	54.2-134	13.8	17.9	
Surrogate: 1,2-Dichloroethane-d4	61		ug/kg	62.5		98.0	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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**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 B7B2103 - EPA 3580**

**Blank (B7B2103-BLK1)**

Prepared: 02/21/2017 Analyzed: 02/21/2017

Gasoline (C6-C10)	ND	50.0	mg/kg							U
Diesel (C10-C28)	ND	50.0	"							U
Surrogate: o-Terphenyl	55		"	50.0		110	59-131			

**LCS (B7B2103-BS1)**

Prepared: 02/21/2017 Analyzed: 02/21/2017

Gasoline (C6-C10)	1040	50.0	mg/kg	1000		104	59-133			
Diesel (C10-C28)	926	50.0	"	1000		92.6	64-121			
Surrogate: o-Terphenyl	54		"	50.0		108	59-131			

**Matrix Spike (B7B2103-MS1)**

Source: X702272-04

Prepared: 02/21/2017 Analyzed: 02/21/2017

Gasoline (C6-C10)	1110	50.0	mg/kg	1000	ND	111	57-139			
Diesel (C10-C28)	977	50.0	"	1000	ND	97.7	53-125			
Surrogate: o-Terphenyl	55		"	50.0		111	59-131			

**Matrix Spike Dup (B7B2103-MSD1)**

Source: X702272-04

Prepared: 02/21/2017 Analyzed: 02/21/2017

Gasoline (C6-C10)	951	50.0	mg/kg	1000	ND	95.1	57-139	15.2	20	
Diesel (C10-C28)	916	50.0	"	1000	ND	91.6	53-125	6.42	20	
Surrogate: o-Terphenyl	47		"	50.0		94.2	59-131			

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### 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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Jen Pellegrini For Noelle Doyle Mathis, President