

April 04, 2022

**Entrada Consulting Group**

**Ben Baugh**

**330 Grand Ave. Unit C**

**Grand Junction CO 81501**

**Project Name - Heinze #1**

**Project Number - [none]**

Attached are your analytical results for Heinze #1 received by Origins Laboratory, Inc. March 11, 2022. This project is associated with Origins project number Y203309-01.

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: Heinze #1

## CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
EX01-5	Y203309-01	Soil	March 11, 2022 12:15	03/11/2022 17:35
EX02-5	Y203309-02	Soil	March 11, 2022 11:15	03/11/2022 17:35
EX03-5	Y203309-03	Soil	March 11, 2022 11:45	03/11/2022 17:35
EX04-5	Y203309-04	Soil	March 11, 2022 11:50	03/11/2022 17:35
EX05-5	Y203309-05	Soil	March 11, 2022 11:55	03/11/2022 17:35
EX06-5	Y203309-06	Soil	March 11, 2022 12:10	03/11/2022 17:35
EX07-5	Y203309-07	Soil	March 11, 2022 15:00	03/11/2022 17:35
EX08-2	Y203309-08	Soil	March 11, 2022 15:20	03/11/2022 17:35
EX09-2	Y203309-09	Soil	March 11, 2022 15:25	03/11/2022 17:35
EX10-2	Y203309-10	Soil	March 11, 2022 15:30	03/11/2022 17:35
EX11-5	Y203309-11	Soil	March 11, 2022 15:35	03/11/2022 17:35

### Chain of Custody Modification Request

On 3/28/2022, Jeremy Pike from Entrada contacted Jordan Bynon via email regarding Y203309 requesting that pH, EC, SAR, Boron, and the remaining list of Table 915 metals be added to EX11-5.

Requested modifications to the chain of custody were made by Jordan Bynon on 3/28/2022.

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.*

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

Ben Baugh  
 Project Number: [none]  
 Project: Heinze #1

**ORIGINS**  
 LABORATORY, INC

www.originslaboratory.com  
 page 1 of 1  
 BILL TO JAGGA  
 DAVIDSON AT 703309  
 GREAT WESTERN

Client: Entrada Consulting Group  
 Address: Ben Baugh  
 Telephone Number: 435-630-4748  
 Email Address: J.PINE@ENTRADALAB.COM, BBWAUGH@ENTRADALAB.COM  
 Project Manager: Ben Baugh  
 Project Name: HEINZE #1  
 Project Number: TREMENT PIKE  
 Samples Collected By: J.PINE@ENTRADALAB.COM

Sample ID Description	Date Sampled	Time Sampled	# of Containers	Preservative				Matrix			Analysis	Sample Instructions	
				Unpreserved	HCl	HNO <sub>3</sub>	Other	Groundwater	Soil	As Summa #			Other
EX01-5	3/11/22	1215	2	X				X					
EX02-5		1115									X		
EX07-5		1145											
EX04-5		1150											
EX05-5		1155											
EX06-5		1210											
EX07-3		1500											
EX08-2		1520											
EX09-2		1525											
EX10-2		1530											
EX11-5		1535											
Relinquished by: <u>J.PINE</u>	Date: <u>3/11/22</u>	Time: <u>1735</u>	Received By: <u>JH</u>	Date: <u>3/11/22</u>	Time: <u>1735</u>	Turnaround Time: <u>72 Hr</u>	Standard: <u>Standard</u>						

1725 EIK PIGE | Denver, CO 80211 | Phone: 303.433.1322 | Fax: 303.265.9645

Date Results Needed: 0-4

Origins Laboratory, Inc.

*J. Bynon*

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

Ben Baugh  
 Project Number: [none]  
 Project: Heinze #1

Origins Laboratory

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

Sample Receipt Checklist

Origins Work Order: 420309

Client: Entrada

Client Project ID: Heinze #1

Checklist Completed by: JH

Shipped Via: HD  
 (UPS, FedEx, Hand Delivered, Pick-up, etc.)

Date/time completed: 3/14/22

Airbill #: AV

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

Cooler Number/Temperature: 1 / 16.4 °C / \_\_\_\_\_ °C / \_\_\_\_\_ °C (Describe) \_\_\_\_\_ °C

Thermometer ID: TC05

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"/>		<u>same day</u>
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? If yes, contact client and note in narrative.			<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 NaAsO <sub>2</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 (Project Manager) JH

Date/Time Reviewed 3/14/22

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: Heinze #1

**EX01-5**

**3/11/2022 12:15:00PM**

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y203309-01 (Soil)**

**DRO/ORO by EPA 8015D**

Diesel (C10-C28)	ND		25.0	mg/kg	1	B2C1409	03/14/2022	03/17/2022	U
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	U

Surrogate: <i>o</i> -Terphenyl	95.5 %		50-150			"	"	"	
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**GBTEX+TMBs by 8260D**

1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B2C1517	03/15/2022	03/17/2022	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	100 %		70-130			"	"	"	
Surrogate: Toluene-d8	100 %		70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	99.9 %		70-130			"	"	"	

Origins Laboratory, Inc.



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Ben Baugh  
 Project Number: [none]  
 Project: Heinze #1

**EX01-5**

**3/11/2022 12:15:00PM**

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Waypoint Analytical, Inc.**  
**Y203309-01 (Soil)**

**PAH by 8270D SIM**

1-Methylnaphthalene	ND	0.000364	0.00067	mg/Kg	1	L605816	03/18/2022	03/21/2022	
2-Methylnaphthalene	ND	0.000645	0.00067	"	"	"	"	"	
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	ND	0.000286	0.00067	"	"	"	"	"	
Indeno(1,2,3-cd)pyrene	ND	0.000627	0.00067	"	"	"	"	"	
Pyrene	ND	0.000643	0.00067	"	"	"	"	"	

Surrogate: 2-Fluorobiphenyl	51.5 %		33-115			"	"	"	
Surrogate: 4-Terphenyl-d14	61.8 %		33-122			"	"	"	
Surrogate: Nitrobenzene-d5	57 %		29-110			"	"	"	

Origins Laboratory, Inc.



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330 Grand Ave. Unit C

Grand Junction CO 81501

Ben Baugh

Project Number: [none]

Project: Heinze #1

**EX01-5**

**3/11/2022 12:15:00PM**

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Waypoint Analytical, Inc.**

**Y203309-01 (Soil)**

**Total Metals by 6020B**

Barium	42.9	0.042	0.25	mg/Kg	5	L605010	03/15/2022	03/19/2022	
Selenium	ND	0.103	0.25	"	"	"	"	"	

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: Heinze #1

**EX02-5**

**3/11/2022 11:15:00AM**

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y203309-02 (Soil)**

**DRO/ORO by EPA 8015D**

Diesel (C10-C28)	ND		25.0	mg/kg	1	B2C1409	03/14/2022	03/17/2022	U
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	U

Surrogate: <i>o</i> -Terphenyl	106 %		50-150			"	"	"	
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**GBTEX+TMBs by 8260D**

1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B2C1517	03/15/2022	03/17/2022	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	103 %		70-130			"	"	"	
Surrogate: Toluene-d8	100 %		70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	98.6 %		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: Heinze #1

**EX02-5**

**3/11/2022 11:15:00AM**

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Waypoint Analytical, Inc.**  
**Y203309-02 (Soil)**

**PAH by 8270D SIM**

1-Methylnaphthalene	ND	0.000364	0.00067	mg/Kg	1	L605816	03/18/2022	03/21/2022	
2-Methylnaphthalene	ND	0.000645	0.00067	"	"	"	"	"	
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	ND	0.000286	0.00067	"	"	"	"	"	
Indeno(1,2,3-cd)pyrene	ND	0.000627	0.00067	"	"	"	"	"	
Pyrene	ND	0.000643	0.00067	"	"	"	"	"	

Surrogate: 2-Fluorobiphenyl	49.8 %		33-115			"	"	"	
Surrogate: 4-Terphenyl-d14	59.6 %		33-122			"	"	"	
Surrogate: Nitrobenzene-d5	55.3 %		29-110			"	"	"	

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Entrada Consulting Group

330 Grand Ave. Unit C

Grand Junction CO 81501

Ben Baugh

Project Number: [none]

Project: Heinze #1

**EX02-5**

**3/11/2022 11:15:00AM**

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Waypoint Analytical, Inc.**

**Y203309-02 (Soil)**

**Total Metals by 6020B**

Barium	31.1	0.042	0.25	mg/Kg	5	L605010	03/15/2022	03/19/2022	
Selenium	ND	0.103	0.25	"	"	"	"	"	

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: Heinze #1

**EX03-5**

**3/11/2022 11:45:00AM**

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y203309-03 (Soil)**

**DRO/ORO by EPA 8015D**

Diesel (C10-C28)	ND		25.0	mg/kg	1	B2C1409	03/14/2022	03/17/2022	U
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	U

Surrogate: <i>o</i> -Terphenyl	97.0 %		50-150			"	"	"	
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**GBTEX+TMBs by 8260D**

1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B2C1517	03/15/2022	03/17/2022	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	101 %		70-130			"	"	"	
Surrogate: Toluene-d8	104 %		70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	101 %		70-130			"	"	"	

Origins Laboratory, Inc.



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 330 Grand Ave. Unit C  
 Grand Junction CO 81501

Ben Baugh  
 Project Number: [none]  
 Project: Heinze #1

**EX03-5**

**3/11/2022 11:45:00AM**

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Waypoint Analytical, Inc.**  
**Y203309-03 (Soil)**

**PAH by 8270D SIM**

1-Methylnaphthalene	ND	0.000364	0.00067	mg/Kg	1	L605816	03/18/2022	03/21/2022	
2-Methylnaphthalene	ND	0.000645	0.00067	"	"	"	"	"	
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	ND	0.000286	0.00067	"	"	"	"	"	
Indeno(1,2,3-cd)pyrene	ND	0.000627	0.00067	"	"	"	"	"	
Pyrene	ND	0.000643	0.00067	"	"	"	"	"	

Surrogate: 2-Fluorobiphenyl	51.7 %		33-115			"	"	"	
Surrogate: 4-Terphenyl-d14	58.6 %		33-122			"	"	"	
Surrogate: Nitrobenzene-d5	56.8 %		29-110			"	"	"	

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330 Grand Ave. Unit C

Grand Junction CO 81501

Ben Baugh

Project Number: [none]

Project: Heinze #1

**EX03-5**

**3/11/2022 11:45:00AM**

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Waypoint Analytical, Inc.**

**Y203309-03 (Soil)**

**Total Metals by 6020B**

Barium	55.4	0.042	0.25	mg/Kg	5	L605010	03/15/2022	03/19/2022	
Selenium	ND	0.103	0.25	"	"	"	"	"	

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: Heinze #1

**EX04-5**

**3/11/2022 11:50:00AM**

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y203309-04 (Soil)**

**DRO/ORO by EPA 8015D**

Diesel (C10-C28)	ND		25.0	mg/kg	1	B2C1409	03/14/2022	03/17/2022	U
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	U

Surrogate: <i>o</i> -Terphenyl	98.0 %		50-150			"	"	"	
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**GBTEX+TMBs by 8260D**

1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B2C1517	03/15/2022	03/17/2022	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	105 %		70-130			"	"	"	
Surrogate: Toluene-d8	99.8 %		70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	98.4 %		70-130			"	"	"	

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.

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

Ben Baugh  
 Project Number: [none]  
 Project: Heinze #1

**EX04-5**

**3/11/2022 11:50:00AM**

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Waypoint Analytical, Inc.**  
**Y203309-04 (Soil)**

**PAH by 8270D SIM**

1-Methylnaphthalene	ND	0.000364	0.00067	mg/Kg	1	L605816	03/18/2022	03/21/2022	
2-Methylnaphthalene	ND	0.000645	0.00067	"	"	"	"	"	
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	ND	0.000286	0.00067	"	"	"	"	"	
Indeno(1,2,3-cd)pyrene	ND	0.000627	0.00067	"	"	"	"	"	
Pyrene	ND	0.000643	0.00067	"	"	"	"	"	

Surrogate: 2-Fluorobiphenyl	50.9 %		33-115			"	"	"	
Surrogate: 4-Terphenyl-d14	61.8 %		33-122			"	"	"	
Surrogate: Nitrobenzene-d5	55.5 %		29-110			"	"	"	

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.

Entrada Consulting Group

330 Grand Ave. Unit C

Grand Junction CO 81501

Ben Baugh

Project Number: [none]

Project: Heinze #1

EX04-5

3/11/2022 11:50:00AM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Waypoint Analytical, Inc.**

Y203309-04 (Soil)

**Total Metals by 6020B**

Barium	59.2	0.042	0.25	mg/Kg	5	L605010	03/15/2022	03/19/2022	
Selenium	ND	0.103	0.25	"	"	"	"	"	

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.*

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

Ben Baugh  
 Project Number: [none]  
 Project: Heinze #1

**EX05-5**

**3/11/2022 11:55:00AM**

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y203309-05 (Soil)**

**DRO/ORO by EPA 8015D**

Diesel (C10-C28)	ND		25.0	mg/kg	1	B2C1501	03/15/2022	03/18/2022	U
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	U

Surrogate: <i>o</i> -Terphenyl	88.6 %		50-150			"	"	"	
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**GBTEX+TMBs by 8260D**

1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B2C1517	03/15/2022	03/17/2022	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	105 %		70-130			"	"	"	
Surrogate: Toluene-d8	102 %		70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	99.2 %		70-130			"	"	"	

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.

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

Ben Baugh  
 Project Number: [none]  
 Project: Heinze #1

**EX05-5**

**3/11/2022 11:55:00AM**

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Waypoint Analytical, Inc.**  
**Y203309-05 (Soil)**

**PAH by 8270D SIM**

1-Methylnaphthalene	0.00082	0.000364	0.00067	mg/Kg	1	L605816	03/18/2022	03/21/2022	
2-Methylnaphthalene	0.000725	0.000645	0.00067	"	"	"	"	"	
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	0.000384	0.000286	0.00067	"	"	"	"	"	J
Indeno(1,2,3-cd)pyrene	ND	0.000627	0.00067	"	"	"	"	"	
Pyrene	ND	0.000643	0.00067	"	"	"	"	"	

Surrogate: 2-Fluorobiphenyl	52.6 %	33-115	"	"	"
Surrogate: 4-Terphenyl-d14	61 %	33-122	"	"	"
Surrogate: Nitrobenzene-d5	57.1 %	29-110	"	"	"

**Total Metals by 6020B**

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.

Entrada Consulting Group

330 Grand Ave. Unit C

Grand Junction CO 81501

Ben Baugh

Project Number: [none]

Project: Heinze #1

**EX05-5**

**3/11/2022 11:55:00AM**

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Waypoint Analytical, Inc.**

**Y203309-05 (Soil)**

**Total Metals by 6020B**

Barium	64.7	0.042	0.25	mg/Kg	5	L605010	03/15/2022	03/19/2022	
Selenium	ND	0.103	0.25	"	"	"	"	"	

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.*

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

Ben Baugh  
 Project Number: [none]  
 Project: Heinze #1

**EX06-5**

**3/11/2022 12:10:00PM**

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y203309-06 (Soil)**

**DRO/ORO by EPA 8015D**

Diesel (C10-C28)	ND		25.0	mg/kg	1	B2C1501	03/15/2022	03/18/2022	U
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	U

Surrogate: <i>o</i> -Terphenyl	91.9 %		50-150			"	"	"	
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**GBTEX+TMBs by 8260D**

1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B2C1517	03/15/2022	03/17/2022	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	104 %		70-130			"	"	"	
Surrogate: Toluene-d8	103 %		70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	97.5 %		70-130			"	"	"	

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.

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

Ben Baugh  
 Project Number: [none]  
 Project: Heinze #1

**EX06-5**  
**3/11/2022 12:10:00PM**

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Waypoint Analytical, Inc.**  
**Y203309-06 (Soil)**

**PAH by 8270D SIM**

1-Methylnaphthalene	ND	0.000364	0.00067	mg/Kg	1	L605816	03/18/2022	03/21/2022	
2-Methylnaphthalene	ND	0.000645	0.00067	"	"	"	"	"	
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	ND	0.000286	0.00067	"	"	"	"	"	
Indeno(1,2,3-cd)pyrene	ND	0.000627	0.00067	"	"	"	"	"	
Pyrene	ND	0.000643	0.00067	"	"	"	"	"	

Surrogate: 2-Fluorobiphenyl	51.5 %		33-115			"	"	"	
Surrogate: 4-Terphenyl-d14	62.4 %		33-122			"	"	"	
Surrogate: Nitrobenzene-d5	57.3 %		29-110			"	"	"	

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.

Entrada Consulting Group

330 Grand Ave. Unit C

Grand Junction CO 81501

Ben Baugh

Project Number: [none]

Project: Heinze #1

**EX06-5**

**3/11/2022 12:10:00PM**

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Waypoint Analytical, Inc.**

**Y203309-06 (Soil)**

**Total Metals by 6020B**

Barium	48.1	0.042	0.25	mg/Kg	5	L605010	03/15/2022	03/19/2022	
Selenium	ND	0.103	0.25	"	"	"	"	"	

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.*

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

Ben Baugh  
 Project Number: [none]  
 Project: Heinze #1

**EX07-5**

**3/11/2022 3:00:00PM**

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y203309-07 (Soil)**

**DRO/ORO by EPA 8015D**

Diesel (C10-C28)	ND		25.0	mg/kg	1	B2C1501	03/15/2022	03/18/2022	U
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	U

Surrogate: o-Terphenyl	89.2 %		50-150			"	"	"	
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**GBTEX+TMBs by 8260D**

1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B2C1517	03/15/2022	03/17/2022	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	104 %		70-130			"	"	"	
Surrogate: Toluene-d8	107 %		70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	98.6 %		70-130			"	"	"	

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.

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

Ben Baugh  
 Project Number: [none]  
 Project: Heinze #1

**EX07-5**  
**3/11/2022 3:00:00PM**

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Waypoint Analytical, Inc.**  
**Y203309-07 (Soil)**

**PAH by 8270D SIM**

1-Methylnaphthalene	ND	0.000364	0.00067	mg/Kg	1	L605816	03/18/2022	03/21/2022	
2-Methylnaphthalene	ND	0.000645	0.00067	"	"	"	"	"	
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	ND	0.000286	0.00067	"	"	"	"	"	
Indeno(1,2,3-cd)pyrene	ND	0.000627	0.00067	"	"	"	"	"	
Pyrene	ND	0.000643	0.00067	"	"	"	"	"	

Surrogate: 2-Fluorobiphenyl	51.2 %		33-115			"	"	"	
Surrogate: 4-Terphenyl-d14	61.8 %		33-122			"	"	"	
Surrogate: Nitrobenzene-d5	57 %		29-110			"	"	"	

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.

Entrada Consulting Group

330 Grand Ave. Unit C

Grand Junction CO 81501

Ben Baugh

Project Number: [none]

Project: Heinze #1

**EX07-5**

**3/11/2022 3:00:00PM**

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Waypoint Analytical, Inc.**

**Y203309-07 (Soil)**

**Total Metals by 6020B**

Barium	35.6	0.042	0.25	mg/Kg	5	L605010	03/15/2022	03/19/2022	
Selenium	ND	0.103	0.25	"	"	"	"	"	

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.*

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

Ben Baugh  
 Project Number: [none]  
 Project: Heinze #1

**EX08-2**

**3/11/2022 3:20:00PM**

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y203309-08 (Soil)**

**DRO/ORO by EPA 8015D**

Diesel (C10-C28)	ND		25.0	mg/kg	1	B2C1501	03/15/2022	03/18/2022	U
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	U

Surrogate: <i>o</i> -Terphenyl	89.6 %		50-150			"	"	"	
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**GBTEX+TMBs by 8260D**

1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B2C1517	03/15/2022	03/17/2022	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	110 %		70-130			"	"	"	
Surrogate: Toluene-d8	105 %		70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	96.8 %		70-130			"	"	"	

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.

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

Ben Baugh  
 Project Number: [none]  
 Project: Heinze #1

**EX08-2**  
**3/11/2022 3:20:00PM**

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Waypoint Analytical, Inc.**  
**Y203309-08 (Soil)**

**PAH by 8270D SIM**

1-Methylnaphthalene	0.000372	0.000364	0.00067	mg/Kg	1	L605816	03/18/2022	03/21/2022	J
2-Methylnaphthalene	ND	0.000645	0.00067	"	"	"	"	"	
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	ND	0.000286	0.00067	"	"	"	"	"	
Indeno(1,2,3-cd)pyrene	ND	0.000627	0.00067	"	"	"	"	"	
Pyrene	ND	0.000643	0.00067	"	"	"	"	"	

Surrogate: 2-Fluorobiphenyl	53.6 %	33-115	"	"	"
Surrogate: 4-Terphenyl-d14	63.3 %	33-122	"	"	"
Surrogate: Nitrobenzene-d5	58.2 %	29-110	"	"	"

**Total Metals by 6020B**

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.

Entrada Consulting Group

330 Grand Ave. Unit C

Grand Junction CO 81501

Ben Baugh

Project Number: [none]

Project: Heinze #1

**EX08-2**

**3/11/2022 3:20:00PM**

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Waypoint Analytical, Inc.**

**Y203309-08 (Soil)**

**Total Metals by 6020B**

Barium	88.8	0.042	0.25	mg/Kg	5	L605010	03/15/2022	03/19/2022	
Selenium	ND	0.103	0.25	"	"	"	"	"	

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.*

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

Ben Baugh  
 Project Number: [none]  
 Project: Heinze #1

**EX09-2**

**3/11/2022 3:25:00PM**

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y203309-09 (Soil)**

**DRO/ORO by EPA 8015D**

Diesel (C10-C28)	ND		25.0	mg/kg	1	B2C1501	03/15/2022	03/18/2022	U
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	U

<i>Surrogate: o-Terphenyl</i>	85.4 %		50-150			"	"	"	
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**GBTEX+TMBs by 8260D**

1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B2C1517	03/15/2022	03/17/2022	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

<i>Surrogate: 1,2-Dichloroethane-d4</i>	106 %		70-130			"	"	"	
<i>Surrogate: Toluene-d8</i>	104 %		70-130			"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>	98.4 %		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: Heinze #1

**EX09-2**

**3/11/2022 3:25:00PM**

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Waypoint Analytical, Inc.**  
**Y203309-09 (Soil)**

**PAH by 8270D SIM**

1-Methylnaphthalene	ND	0.000364	0.00067	mg/Kg	1	L605863	03/19/2022	03/22/2022	
2-Methylnaphthalene	ND	0.000645	0.00067	"	"	"	"	"	
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	ND	0.000286	0.00067	"	"	"	"	"	
Indeno(1,2,3-cd)pyrene	ND	0.000627	0.00067	"	"	"	"	"	
Pyrene	ND	0.000643	0.00067	"	"	"	"	"	

Surrogate: 2-Fluorobiphenyl	65 %	33-115	"	"	"
Surrogate: 4-Terphenyl-d14	70.4 %	33-122	"	"	"
Surrogate: Nitrobenzene-d5	50.5 %	29-110	"	"	"

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: Heinze #1

**EX09-2**

**3/11/2022 3:25:00PM**

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Waypoint Analytical, Inc.**

**Y203309-09 (Soil)**

**Total Metals by 6020B**

Barium	60.8	0.042	0.25	mg/Kg	5	L605010	03/15/2022	03/19/2022	
Selenium	ND	0.103	0.25	"	"	"	"	"	

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: Heinze #1

**EX10-2**

**3/11/2022 3:30:00PM**

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y203309-10 (Soil)**

**DRO/ORO by EPA 8015D**

Diesel (C10-C28)	ND		25.0	mg/kg	1	B2C1501	03/15/2022	03/18/2022	U
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	U

Surrogate: <i>o</i> -Terphenyl	93.3 %		50-150			"	"	"	
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**GBTEX+TMBs by 8260D**

1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B2C1517	03/15/2022	03/18/2022	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	105 %		70-130			"	"	"	
Surrogate: Toluene-d8	103 %		70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	97.1 %		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: Heinze #1

**EX10-2**  
**3/11/2022 3:30:00PM**

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Waypoint Analytical, Inc.**  
**Y203309-10 (Soil)**

**PAH by 8270D SIM**

1-Methylnaphthalene	0.00239	0.000364	0.00067	mg/Kg	1	L605863	03/19/2022	03/22/2022	
2-Methylnaphthalene	0.000768	0.000645	0.00067	"	"	"	"	"	
Acenaphthene	ND	0.000304	0.00067	"	"	"	"	"	
Anthracene	0.000763	0.000334	0.00067	"	"	"	"	"	
Benzo(a)anthracene	0.00218	0.000493	0.00067	"	"	"	"	"	
Benzo(a)pyrene	0.00215	0.000468	0.00067	"	"	"	"	"	
Benzo(b)fluoranthene	0.00275	0.000585	0.00067	"	"	"	"	"	
Benzo(k)fluoranthene	0.00192	0.000437	0.00067	"	"	"	"	"	
Chrysene	0.00364	0.000624	0.00067	"	"	"	"	"	
Dibenz(a,h)anthracene	0.00366	0.000614	0.00067	"	"	"	"	"	
Fluoranthene	0.00159	0.000394	0.00067	"	"	"	"	"	
Fluorene	0.00115	0.000286	0.00067	"	"	"	"	"	
Indeno(1,2,3-cd)pyrene	0.00419	0.000627	0.00067	"	"	"	"	"	
Pyrene	0.00234	0.000643	0.00067	"	"	"	"	"	

Surrogate: 2-Fluorobiphenyl	68.9 %		33-115			"	"	"	
Surrogate: 4-Terphenyl-d14	75 %		33-122			"	"	"	
Surrogate: Nitrobenzene-d5	55.2 %		29-110			"	"	"	

**Total Metals by 6020B**

Barium	63.9	0.042	0.25	mg/Kg	5	L605010	03/15/2022	03/19/2022	
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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: Heinze #1

**EX10-2**

**3/11/2022 3:30:00PM**

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Waypoint Analytical, Inc.**

**Y203309-10 (Soil)**

**Total Metals by 6020B**

Selenium	ND	0.103	0.25	mg/Kg	5	L605010	03/15/2022	03/19/2022	
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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: Heinze #1

**EX11-5**  
**3/11/2022 3:35:00PM**

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y203309-11 (Soil)**

**Boron (DTPA Sorbitol)**

Boron	0.238		0.0991	mg/L	1	B2C2909	03/29/2022	03/30/2022	
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**DRO/ORO by EPA 8015D**

Diesel (C10-C28)	8220		250	mg/kg	10	B2C1501	03/15/2022	03/20/2022	
Residual Range Organics (C28-C40)	3480		1000	"	"	"	"	"	

Surrogate: o-Terphenyl	294 %		50-150			"	"	"	S-DUP
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**GBTEX+TMBs by 8260D**

1,2,4-Trimethylbenzene	48.2		0.500	mg/kg	250	B2C1517	03/15/2022	03/18/2022	
1,3,5-Trimethylbenzene	15.4		0.500	"	"	"	"	"	
Benzene	0.522		0.0500	"	25	"	"	03/18/2022	R-05
Ethylbenzene	14.7		0.500	"	250	"	"	03/18/2022	
Naphthalene	4.20		0.950	"	"	"	"	"	R-05
Toluene	0.407		0.0500	"	25	"	"	03/18/2022	R-05
Xylenes, total	72.7		0.500	"	250	"	"	03/18/2022	
Gasoline Range Hydrocarbons	1550		100	"	500	"	"	03/18/2022	

Surrogate: 1,2-Dichloroethane-d4	106 %		70-130			"	"	"	
Surrogate: Toluene-d8	102 %		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: Heinze #1

**EX11-5**  
**3/11/2022 3:35:00PM**

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y203309-11 (Soil)**

**GBTEX+TMBs by 8260D**

Surrogate: 4-Bromofluorobenzene 108 % 70-130 B2C15 03/15/2022 03/18/2022  
 17

**Metals by Saturated Paste by EPA 6010**

Calcium	2.56	0.499	meq/L	10	[CALC]	03/29/2022	03/31/2022
Magnesium	2.30	0.823	"	"	"	"	"
Sodium	3.30	0.435	"	"	"	"	"

**PAH by 8270D SIM**

1-Methylnaphthalene	2.15	0.00728	0.0134	mg/Kg	20	L605862	03/19/2022	03/22/2022
2-Methylnaphthalene	3.14	0.0129	0.0134	"	"	"	"	"
Acenaphthene	0.103	0.00608	0.0134	"	"	"	"	"
Anthracene	0.0216	0.00668	0.0134	"	"	"	"	"
Benzo(a)anthracene	0.0159	0.00986	0.0134	"	"	"	"	"
Benzo(a)pyrene	0.00964	0.00936	0.0134	"	"	"	"	"
Benzo(b)fluoranthene	ND	0.0117	0.0134	"	"	"	"	"
Benzo(k)fluoranthene	0.0195	0.00874	0.0134	"	"	"	"	"
Chrysene	0.121	0.0125	0.0134	"	"	"	"	"
Dibenz(a,h)anthracene	ND	0.0123	0.0134	"	"	"	"	"
Fluoranthene	ND	0.00788	0.0134	"	"	"	"	"
Fluorene	0.348	0.00572	0.0134	"	"	"	"	"
Indeno(1,2,3-cd)pyrene	ND	0.0125	0.0134	"	"	"	"	"

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: Heinze #1

**EX11-5**  
**3/11/2022 3:35:00PM**

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Waypoint Analytical, Inc.**  
**Y203309-11 (Soil)**

**PAH by 8270D SIM**

Pyrene	0.0319	0.0129	0.0134	mg/Kg	20	L605862	03/19/2022	03/22/2022	
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Surrogate: 2-Fluorobiphenyl	66.5 %		33-115			"	"	"	
Surrogate: 4-Terphenyl-d14	67.7 %		33-122			"	"	"	
Surrogate: Nitrobenzene-d5	95.8 %		29-110			"	"	"	

**pH in Soil by 9045D**

pH	7.50			pH Units	1	B2C2915	03/31/2022	04/01/2022	
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**SAR by 20B Saturated Paste**

SAR	2.12			SAR	1	B2C2906	03/29/2022	03/31/2022	
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**Specific Conductance Mod. 9050A**

Specific Conductance (EC)	0.766		0.00500	mmhos/cm	1	B2C2913	03/30/2022	03/31/2022	
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**Total Metals by 6020B**

Arsenic	2.3	0.0855	0.25	mg/Kg	5	L605010	03/15/2022	03/19/2022	
Cadmium	0.114	0.0259	0.25	"	"	"	"	"	J
Copper	3.96	0.0806	0.25	"	"	"	"	"	
Lead	4.94	0.031	0.25	"	"	"	"	"	

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: Heinze #1

**EX11-5**  
**3/11/2022 3:35:00PM**

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Waypoint Analytical, LLC.**  
**Y203309-11 (Soil)**

**Total Metals by 6020B**

Nickel	4.72	0.0633	0.25	mg/Kg	5	L605010	03/15/2022	03/19/2022	
Silver	0.0637	0.0067	0.25	"	"	"	"	"	J
Zinc	18.1	0.534	2.5	"	"	"	"	"	
Barium	50.4	0.042	0.25	"	"	"	"	"	
Selenium	ND	0.103	0.25	"	"	"	"	"	

**Total Metals by 7196A**

Chromium, Hexavalent	ND	0.246	0.505	mg/Kg	1	L608318	03/11/2022	04/01/2022	
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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: Heinze #1

**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
<b>Batch B2C1409 - EPA 3550B</b>										
<b>Blank (B2C1409-BLK1)</b>										
					Prepared: 03/14/2022 Analyzed: 03/16/2022					
Diesel (C10-C28)	ND	25.0	mg/kg							U
Residual Range Organics (C28-C40)	ND	100	"							U
Surrogate: o-Terphenyl	28		"	24.9		113	50-150			

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: Heinze #1

**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 B2C1409 - EPA 3550B**

**LCS (B2C1409-BS1)**

Prepared: 03/14/2022 Analyzed: 03/16/2022

Diesel (C10-C28)	1280	50.0	mg/kg	1000		128	70-130			
Residual Range Organics (C28-C40)	1290	200	"	1000		129	70-130			
Surrogate: o-Terphenyl	56		"	49.8		113	50-150			

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: Heinze #1

**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 B2C1409 - EPA 3550B**

<b>Matrix Spike (B2C1409-MS1)</b>	<b>Source: Y203269-02</b>			<b>Prepared: 03/14/2022 Analyzed: 03/16/2022</b>						
Diesel (C10-C28)	1170	50.0	mg/kg	1000	ND	117	70-130			
Residual Range Organics (C28-C40)	1240	200	"	1000	ND	124	70-130			
Surrogate: o-Terphenyl	52		"	49.8		104	50-150			

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: Heinze #1

**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
<b>Batch B2C1409 - EPA 3550B</b>										
<b>Matrix Spike Dup (B2C1409-MSD1)</b>					<b>Source: Y203269-02</b>					Prepared: 03/14/2022 Analyzed: 03/16/2022
Diesel (C10-C28)	1220	50.0	mg/kg	1000	ND	122	70-130	3.92	35	
Residual Range Organics (C28-C40)	1280	200	"	1000	ND	128	70-130	3.15	35	
Surrogate: o-Terphenyl	62		"	49.8		124	50-150			

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: Heinze #1

**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
<b>Batch B2C1501 - EPA 3550B</b>										
<b>Blank (B2C1501-BLK1)</b>										
					Prepared: 03/15/2022 Analyzed: 03/18/2022					
Diesel (C10-C28)	ND	25.0	mg/kg							U
Residual Range Organics (C28-C40)	ND	100	"							U
Surrogate: o-Terphenyl	26		"	24.9		103	50-150			

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: Heinze #1

**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 B2C1501 - EPA 3550B**

**LCS (B2C1501-BS1)**

Prepared: 03/15/2022 Analyzed: 03/18/2022

Diesel (C10-C28)	980	50.0	mg/kg	1000		98.0	70-130			
Residual Range Organics (C28-C40)	1040	200	"	1000		104	70-130			
Surrogate: o-Terphenyl	50		"	49.8		100	50-150			

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: Heinze #1

**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 B2C1501 - EPA 3550B**

<b>Matrix Spike (B2C1501-MS1)</b>	<b>Source: Y203309-05</b>			<b>Prepared: 03/15/2022 Analyzed: 03/18/2022</b>						
Diesel (C10-C28)	934	50.0	mg/kg	1000	ND	93.4	70-130			
Residual Range Organics (C28-C40)	1030	200	"	1000	ND	103	70-130			
Surrogate: o-Terphenyl	47		"	49.8		94.7	50-150			

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: Heinze #1

**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
<b>Batch B2C1501 - EPA 3550B</b>										
<b>Matrix Spike Dup (B2C1501-MSD1)</b>					<b>Source: Y203309-05</b>					Prepared: 03/15/2022 Analyzed: 03/18/2022
Diesel (C10-C28)	941	50.0	mg/kg	1000	ND	94.1	70-130	0.764	35	
Residual Range Organics (C28-C40)	960	200	"	1000	ND	96.0	70-130	6.67	35	
Surrogate: o-Terphenyl	55		"	49.8		111	50-150			

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

Ben Baugh  
 Project Number: [none]  
 Project: Heinze #1

**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 B2C1517 - EPA 5030 (soil)**

**Blank (B2C1517-BLK1)**

Prepared: 03/15/2022 Analyzed: 03/17/2022

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	0.0100	"							U
Toluene	ND	0.00200	"							U
Xylenes, total	ND	0.00200	"							U
Gasoline Range Hydrocarbons	ND	0.200	"							U
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		98.3	70-130			
Surrogate: Toluene-d8	0.13		"	0.125		103	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		99.3	70-130			

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

Ben Baugh  
 Project Number: [none]  
 Project: Heinze #1

**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 B2C1517 - EPA 5030 (soil)**

**LCS (B2C1517-BS1)**

Prepared: 03/15/2022 Analyzed: 03/17/2022

1,2,4-Trimethylbenzene	0.0977	0.00200	mg/kg	0.100		97.7	70-130			
1,3,5-Trimethylbenzene	0.0992	0.00200	"	0.100		99.2	70-130			
Benzene	0.0893	0.00200	"	0.100		89.3	70-130			
Ethylbenzene	0.0979	0.00200	"	0.100		97.9	70-130			
Naphthalene	0.0882	0.0100	"	0.100		88.2	70-130			
Toluene	0.0863	0.00200	"	0.100		86.3	70-130			
o-Xylene	0.0965	0.00200	"	0.100		96.5	70-130			
m,p-Xylene	0.192	0.00400	"	0.200		96.2	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		95.0	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		97.2	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		108	70-130			

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

Ben Baugh  
 Project Number: [none]  
 Project: Heinze #1

**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 B2C1517 - EPA 5030 (soil)**

<b>Matrix Spike (B2C1517-MS1)</b>	<b>Source: Y203309-01</b>			<b>Prepared: 03/15/2022 Analyzed: 03/17/2022</b>						
1,2,4-Trimethylbenzene	0.102	0.00200	mg/kg	0.100	ND	102	70-130			
1,3,5-Trimethylbenzene	0.102	0.00200	"	0.100	ND	102	70-130			
Benzene	0.101	0.00200	"	0.100	ND	101	70-130			
Ethylbenzene	0.102	0.00200	"	0.100	ND	102	70-130			
Naphthalene	0.101	0.0100	"	0.100	ND	101	70-130			
Toluene	0.0933	0.00200	"	0.100	ND	93.3	70-130			
o-Xylene	0.101	0.00200	"	0.100	ND	101	70-130			
m,p-Xylene	0.201	0.00400	"	0.200	ND	101	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		95.6	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		94.1	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		105	70-130			

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 Grand Junction CO 81501

Ben Baugh  
 Project Number: [none]  
 Project: Heinze #1

**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 B2C1517 - EPA 5030 (soil)**

Matrix Spike Dup (B2C1517-MSD1)	Source: Y203309-01			Prepared: 03/15/2022 Analyzed: 03/17/2022						
1,2,4-Trimethylbenzene	0.114	0.00200	mg/kg	0.100	ND	114	70-130	11.0	20	
1,3,5-Trimethylbenzene	0.115	0.00200	"	0.100	ND	115	70-130	11.7	20	
Benzene	0.114	0.00200	"	0.100	ND	114	70-130	12.2	20	
Ethylbenzene	0.115	0.00200	"	0.100	ND	115	70-130	11.9	20	
Naphthalene	0.114	0.0100	"	0.100	ND	114	70-130	11.9	20	
Toluene	0.109	0.00200	"	0.100	ND	109	70-130	15.2	20	
o-Xylene	0.114	0.00200	"	0.100	ND	114	70-130	12.0	20	
m,p-Xylene	0.226	0.00400	"	0.200	ND	113	70-130	11.8	20	
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		94.9	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		95.3	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		105	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: Heinze #1

**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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**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 B2C2913 - NO PREP**

**Blank (B2C2913-BLK1)**

Prepared: 03/30/2022 Analyzed: 03/31/2022

Specific Conductance (EC) 0.00100 0.00500 mmhos/cm

**Duplicate (B2C2913-DUP1)**

**Source: Y203495-06**

Prepared: 03/30/2022 Analyzed: 03/31/2022

Specific Conductance (EC) 1.87 0.00500 mmhos/cm

1.68

10.5

25

**Batch B2C2915 - NO PREP**

**Duplicate (B2C2915-DUP1)**

**Source: Y203495-06**

Prepared: 03/31/2022 Analyzed: 04/01/2022

pH 7.68 pH Units

7.86

2.32

25

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

Ben Baugh  
 Project Number: [none]  
 Project: Heinze #1

**Total Metals by 6020B - 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 L605010 - 3050B**

<b>MSD (L 90836-MSD-L605010)</b>		<b>Source: 90836</b>			<b>Prepared: 03/15/2022 Analyzed: 03/25/2022</b>					
Copper	10.6	0.0806	mg/Kg	2.47	8.22	97	75-125	8.2	80	
Lead	11.7	0.031	"	2.47	9.69	82	75-125	0.8	80	
Nickel	12.6	0.0633	"	2.47	10.4	89	75-125	0.7	80	
Silver	0.471	0.0067	"	0.493	0.0144	93	75-125	1.9	80	
Zinc	56.2	0.534	"	24.7	36.9	78	75-125	1	80	
Cadmium	0.598	0.0259	"	0.493	0.118	97	75-125	3.7	80	
Arsenic	5.95	0.0855	"	2.47	4.05	77	75-125	5.8	80	

<b>MS (L 90836-MS-L605010)</b>		<b>Source: 90836</b>			<b>Prepared: 03/15/2022 Analyzed: 03/22/2022</b>					
Zinc	55.6	0.534	mg/Kg	24.2	36.9	77	75-125			
Arsenic	5.61	0.0855	"	2.42	4.05	65	75-125			*
Cadmium	0.576	0.0259	"	0.484	0.118	95	75-125			
Copper	9.76	0.0806	"	2.42	8.22	64	75-125			*
Lead	11.8	0.031	"	2.42	9.69	87	75-125			
Nickel	12.7	0.0633	"	2.42	10.4	95	75-125			
Silver	0.462	0.0067	"	0.484	0.0144	93	75-125			

<b>LCS (LCS-L605010)</b>		<b>Prepared: 03/15/2022 Analyzed: 03/19/2022</b>								
Cadmium	0.479	0.0259	mg/Kg	0.5		96	80-120			
Copper	2.28	0.0806	"	2.5		91	80-120			
Lead	2.4	0.031	"	2.5		96	80-120			
Nickel	2.35	0.0633	"	2.5		94	80-120			
Silver	0.486	0.0067	"	0.5		97	80-120			
Zinc	23.6	0.534	"	25		94	80-120			
Arsenic	2.57	0.0855	"	2.5		103	80-120			

<b>LRB (LRB-L605010)</b>		<b>Prepared: 03/15/2022 Analyzed: 03/19/2022</b>								
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Entrada Consulting Group  
 330 Grand Ave. Unit C  
 Grand Junction CO 81501

Ben Baugh  
 Project Number: [none]  
 Project: Heinze #1

**Total Metals by 6020B - 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 L605010 - 3050B**

**LRB (LRB-L605010)**

Prepared: 03/15/2022 Analyzed: 03/19/2022

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

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

Ben Baugh  
 Project Number: [none]  
 Project: Heinze #1

**Total Metals by 7196A - Quality Control**  
**Waypoint Analytical, LLC.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch L608318 -</b>										
<b>DUP (L 90806-DUP)</b>			<b>Source: Y203309-11</b>		Prepared: Analyzed: 04/01/2022					
Chromium, Hexavalent	ND	0.253	mg/Kg		90806		-	0	20	
<b>MS (L 90806-MS)</b>			<b>Source: Y203309-11</b>		Prepared: Analyzed: 04/01/2022					
Chromium, Hexavalent	3.47	0.252	mg/Kg	8.3	90806	42	75-125			*
<b>LCS (LCS)</b>					Prepared: Analyzed: 04/01/2022					
Chromium, Hexavalent	7.29	0.244	mg/Kg	8		91	75-125			
<b>LRB (LRB)</b>					Prepared: Analyzed: 04/01/2022					
Chromium, Hexavalent	ND	0.5	mg/Kg				-			

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

Ben Baugh  
 Project Number: [none]  
 Project: Heinze #1

**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 L605863 - 3550B**

<b>MSD (L 90804-MSD-L605863)</b>	<b>Source: Y203309-09</b>			<b>Prepared: 03/19/2022 Analyzed: 03/22/2022</b>						
Benzo(b)fluoranthene	0.123	0.000585	mg/Kg	0.163	90804	75.4	30-130	0.8	30	
1-Methylnaphthalene	0.109	0.000364	"	0.163	90804	66.8	30-130	5.3	30	
2-Methylnaphthalene	0.109	0.000645	"	0.163	90804	66.8	30-130	4.4	30	
Acenaphthene	0.104	0.000304	"	0.163	90804	63.8	30-130	1.9	30	
Benzo(a)anthracene	0.114	0.000493	"	0.163	90804	69.9	30-130	1.7	30	
Benzo(a)pyrene	0.111	0.000468	"	0.163	90804	68	30-130	0.8	30	
Chrysene	0.103	0.000624	"	0.163	90804	63.1	30-130	1.9	30	
Dibenz(a,h)anthracene	0.165	0.000614	"	0.163	90804	101	30-130	8.2	30	
Fluoranthene	0.121	0.000394	"	0.163	90804	74.2	30-130	1.6	30	
Fluorene	0.114	0.000286	"	0.163	90804	69.9	30-130	0.8	30	
Indeno(1,2,3-cd)pyrene	0.158	0.000627	"	0.163	90804	96.9	30-130	7.2	30	
Pyrene	0.124	0.000643	"	0.163	90804	76	30-130	2.3	30	
Anthracene	0.115	0.000334	"	0.163	90804	70.5	30-130	3.4	30	
Benzo(k)fluoranthene	0.102	0.000437	"	0.163	90804	62.5	30-130	0.9	30	
Surrogate: 2-Fluorobiphenyl	71.8		"	0.327	215	71.8	33-115			
Surrogate: 4-Terphenyl-d14	83.7		"	0.327	233	83.7	33-122			
Surrogate: Nitrobenzene-d5	55.9		"	0.327	167	55.9	29-110			

<b>MS (L 90804-MS-L605863)</b>	<b>Source: Y203309-09</b>			<b>Prepared: 03/19/2022 Analyzed: 03/22/2022</b>						
Fluorene	0.115	0.000286	mg/Kg	0.164	90804	70.1	30-130			
Acenaphthene	0.106	0.000304	"	0.164	90804	64.6	30-130			
Anthracene	0.119	0.000334	"	0.164	90804	72.5	30-130			
Pyrene	0.127	0.000643	"	0.164	90804	77.4	30-130			
Benzo(a)anthracene	0.116	0.000493	"	0.164	90804	70.7	30-130			
Indeno(1,2,3-cd)pyrene	0.147	0.000627	"	0.164	90804	89.6	30-130			
1-Methylnaphthalene	0.115	0.000364	"	0.164	90804	70.1	30-130			
Fluoranthene	0.123	0.000394	"	0.164	90804	75	30-130			

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

Ben Baugh  
 Project Number: [none]  
 Project: Heinze #1

**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 L605863 - 3550B**

<b>MS (L 90804-MS-L605863)</b>	<b>Source: Y203309-09</b>			<b>Prepared: 03/19/2022 Analyzed: 03/22/2022</b>						
Dibenz(a,h)anthracene	0.152	0.000614	mg/Kg	0.164	90804	92.6	30-130			
Chrysene	0.105	0.000624	"	0.164	90804	64	30-130			
Benzo(k)fluoranthene	0.101	0.000437	"	0.164	90804	61.5	30-130			
Benzo(b)fluoranthene	0.122	0.000585	"	0.164	90804	74.3	30-130			
Benzo(a)pyrene	0.112	0.000468	"	0.164	90804	68.2	30-130			
2-Methylnaphthalene	0.114	0.000645	"	0.164	90804	69.5	30-130			
<i>Surrogate: 2-Fluorobiphenyl</i>	76.5		"	0.328	215	76.5	33-115			
<i>Surrogate: 4-Terphenyl-d14</i>	86.5		"	0.328	233	86.5	33-122			
<i>Surrogate: Nitrobenzene-d5</i>	56.7		"	0.328	167	56.7	29-110			

<b>LCS (LCS-L605863)</b>				<b>Prepared: 03/19/2022 Analyzed: 03/22/2022</b>						
Acenaphthene	0.125	0.000304	mg/Kg	0.167		74.8	30-130			
Anthracene	0.136	0.000334	"	0.167		81.4	30-130			
Benzo(a)anthracene	0.131	0.000493	"	0.167		78.4	30-130			
Indeno(1,2,3-cd)pyrene	0.172	0.000627	"	0.167		103	30-130			
Pyrene	0.143	0.000643	"	0.167		85.6	30-130			
Fluoranthene	0.139	0.000394	"	0.167		83.2	30-130			
1-Methylnaphthalene	0.135	0.000364	"	0.167		80.8	30-130			
Dibenz(a,h)anthracene	0.187	0.000614	"	0.167		112	30-130			
Chrysene	0.117	0.000624	"	0.167		70	30-130			
Benzo(k)fluoranthene	0.118	0.000437	"	0.167		70.6	30-130			
2-Methylnaphthalene	0.132	0.000645	"	0.167		79	30-130			
Benzo(b)fluoranthene	0.156	0.000585	"	0.167		93.4	30-130			
Benzo(a)pyrene	0.127	0.000468	"	0.167		76	30-130			
Fluorene	0.136	0.000286	"	0.167		81.4	30-130			
<i>Surrogate: 4-Terphenyl-d14</i>	109		"	0.333		109	33-122			
<i>Surrogate: 2-Fluorobiphenyl</i>	96.6		"	0.333		96.6	33-115			

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

Ben Baugh  
 Project Number: [none]  
 Project: Heinze #1

**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
<b>Batch L605863 - 3550B</b>										
<b>LCS (LCS-L605863)</b>					Prepared: 03/19/2022 Analyzed: 03/22/2022					
Surrogate: Nitrobenzene-d5	68.7		mg/Kg	0.333		68.7	29-110			
<b>LRB (LRB-L605863)</b>					Prepared: 03/19/2022 Analyzed: 03/22/2022					
Fluorene	ND	0.00067	mg/Kg				-			
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	"				-			
Pyrene	ND	0.00067	"				-			
Fluoranthene	ND	0.00067	"				-			
1-Methylnaphthalene	ND	0.00067	"				-			
Benzo(b)fluoranthene	ND	0.00067	"				-			
Benzo(k)fluoranthene	ND	0.00067	"				-			
Chrysene	ND	0.00067	"				-			
Indeno(1,2,3-cd)pyrene	ND	0.00067	"				-			
Dibenz(a,h)anthracene	ND	0.00067	"				-			
Surrogate: 2-Fluorobiphenyl	81.9		"	0.333		81.9	33-115			
Surrogate: 4-Terphenyl-d14	85.2		"	0.333		85.2	33-122			
Surrogate: Nitrobenzene-d5	61.2		"	0.333		61.2	29-110			

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 330 Grand Ave. Unit C  
 Grand Junction CO 81501

Ben Baugh  
 Project Number: [none]  
 Project: Heinze #1

**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 L605862 - 3550B**

<b>MSD (L 90806-MSD-L605862)</b>		<b>Source: Y203309-11</b>			<b>Prepared: 03/19/2022 Analyzed: 03/22/2022</b>					
Pyrene	0.12	0.0129	mg/Kg	0.165	0.0319	53.3	30-130	3.3	30	
2-Methylnaphthalene	0.985	0.0129	"	0.165	3.14	NR	30-130	28.9	30	*
1-Methylnaphthalene	0.681	0.00728	"	0.165	2.15	NR	30-130	27.5	30	*
Acenaphthene	0.148	0.00608	"	0.165	0.103	27.2	30-130	9.9	30	*
Anthracene	0.104	0.00668	"	0.165	0.0216	49.9	30-130	1.9	30	
Benzo(a)anthracene	0.123	0.00986	"	0.165	0.0159	64.9	30-130	1.6	30	
Benzo(a)pyrene	0.108	0.00936	"	0.165	0.00964	59.6	30-130	2.8	30	
Benzo(b)fluoranthene	0.097	0.0117	"	0.165	90806	58.7	30-130	1.4	30	
Benzo(k)fluoranthene	0.0975	0.00874	"	0.165	0.0195	47.2	30-130	2.5	30	
Chrysene	0.173	0.0125	"	0.165	0.121	31.5	30-130	18.9	30	
Dibenz(a,h)anthracene	0.0947	0.0123	"	0.165	90806	57.3	30-130	8.7	30	
Fluoranthene	0.111	0.00788	"	0.165	90806	67.2	30-130	0.8	30	
Fluorene	0.215	0.00572	"	0.165	0.348	NR	30-130	21.6	30	*
Indeno(1,2,3-cd)pyrene	0.0883	0.0125	"	0.165	90806	53.5	30-130	5.9	30	
Surrogate: 2-Fluorobiphenyl	65.1		"	0.33	220	65.1	33-115			
Surrogate: 4-Terphenyl-d14	72.1		"	0.33	224	72.1	33-122			
Surrogate: Nitrobenzene-d5	75.1		"	0.33	317	75.1	29-110			

<b>MS (L 90806-MS-L605862)</b>		<b>Source: Y203309-11</b>			<b>Prepared: 03/19/2022 Analyzed: 03/22/2022</b>					
Acenaphthene	0.134	0.00608	mg/Kg	0.166	0.103	18.6	30-130			*
Fluorene	0.173	0.00572	"	0.166	0.348	NR	30-130			*
1-Methylnaphthalene	0.516	0.00728	"	0.166	2.15	NR	30-130			*
2-Methylnaphthalene	0.736	0.0129	"	0.166	3.14	NR	30-130			*
Pyrene	0.116	0.0129	"	0.166	0.0319	50.6	30-130			
Indeno(1,2,3-cd)pyrene	0.0832	0.0125	"	0.166	90806	50.1	30-130			
Fluoranthene	0.112	0.00788	"	0.166	90806	67.4	30-130			
Dibenz(a,h)anthracene	0.0868	0.0123	"	0.166	90806	52.2	30-130			

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 Grand Junction CO 81501

Ben Baugh  
 Project Number: [none]  
 Project: Heinze #1

**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 L605862 - 3550B**

<b>MS (L 90806-MS-L605862)</b>		<b>Source: Y203309-11</b>			<b>Prepared: 03/19/2022 Analyzed: 03/22/2022</b>					
Chrysene	0.143	0.0125	mg/Kg	0.166	0.121	13.2	30-130			*
Benzo(b)fluoranthene	0.0984	0.0117	"	0.166	90806	59.2	30-130			
Benzo(a)pyrene	0.105	0.00936	"	0.166	0.00964	57.4	30-130			
Benzo(a)anthracene	0.121	0.00986	"	0.166	0.0159	63.3	30-130			
Anthracene	0.106	0.00668	"	0.166	0.0216	50.8	30-130			
Benzo(k)fluoranthene	0.1	0.00874	"	0.166	0.0195	48.4	30-130			
Surrogate: 2-Fluorobiphenyl	61.7		"	0.332	220	61.7	33-115			
Surrogate: 4-Terphenyl-d14	77.7		"	0.332	224	77.7	33-122			
Surrogate: Nitrobenzene-d5	68.6		"	0.332	317	68.6	29-110			

<b>LCS (LCS-L605862)</b>		<b>Prepared: 03/19/2022 Analyzed: 03/22/2022</b>								
Pyrene	0.121	0.000643	mg/Kg	0.167		72.4	30-130			
Indeno(1,2,3-cd)pyrene	0.0986	0.000627	"	0.167		59	30-130			
Benzo(a)pyrene	0.117	0.000468	"	0.167		70	30-130			
Benzo(b)fluoranthene	0.109	0.000585	"	0.167		65.2	30-130			
Benzo(k)fluoranthene	0.116	0.000437	"	0.167		69.4	30-130			
Dibenz(a,h)anthracene	0.105	0.000614	"	0.167		62.8	30-130			
Benzo(a)anthracene	0.129	0.000493	"	0.167		77.2	30-130			
1-Methylnaphthalene	0.109	0.000364	"	0.167		65.2	30-130			
Chrysene	0.111	0.000624	"	0.167		66.4	30-130			
Anthracene	0.111	0.000334	"	0.167		66.4	30-130			
Fluoranthene	0.116	0.000394	"	0.167		69.4	30-130			
Acenaphthene	0.106	0.000304	"	0.167		63.4	30-130			
Fluorene	0.114	0.000286	"	0.167		68.2	30-130			
2-Methylnaphthalene	0.11	0.000645	"	0.167		65.8	30-130			
Surrogate: 4-Terphenyl-d14	80.7		"	0.333		80.7	33-122			
Surrogate: Nitrobenzene-d5	73.5		"	0.333		73.5	29-110			

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 Grand Junction CO 81501

Ben Baugh  
 Project Number: [none]  
 Project: Heinze #1

**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
<b>Batch L605862 - 3550B</b>										
<b>LCS (LCS-L605862)</b>										
					Prepared: 03/19/2022 Analyzed: 03/22/2022					
Surrogate: 2-Fluorobiphenyl	68.4		mg/Kg	0.333		68.4	33-115			
<b>LRB (LRB-L605862)</b>										
					Prepared: 03/19/2022 Analyzed: 03/22/2022					
Acenaphthene	ND	0.00067	mg/Kg				-			
1-Methylnaphthalene	ND	0.00067	"				-			
Pyrene	ND	0.00067	"				-			
Indeno(1,2,3-cd)pyrene	ND	0.00067	"				-			
Fluorene	ND	0.00067	"				-			
Benzo(a)anthracene	ND	0.00067	"				-			
2-Methylnaphthalene	ND	0.00067	"				-			
Fluoranthene	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	"				-			
Surrogate: 4-Terphenyl-d14	75.9		"	0.333		75.9	33-122			
Surrogate: Nitrobenzene-d5	68.4		"	0.333		68.4	29-110			
Surrogate: 2-Fluorobiphenyl	64.2		"	0.333		64.2	33-115			

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 Grand Junction CO 81501

Ben Baugh  
 Project Number: [none]  
 Project: Heinze #1

**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 L605816 - 3550B**

<b>MSD (L 92303-MSD-L605816)</b>	<b>Source: 92303</b>			<b>Prepared: 03/18/2022 Analyzed: 03/21/2022</b>						
Indeno(1,2,3-cd)pyrene	0.0968	0.000627	mg/Kg	0.166	92303	58.3	30-130	11.8	30	
Benzo(b)fluoranthene	0.0839	0.000585	"	0.166	92303	50.5	30-130	8.1	30	
1-Methylnaphthalene	0.0828	0.000364	"	0.166	0.000408	49.6	30-130	12.1	30	
2-Methylnaphthalene	0.0829	0.000645	"	0.166	92303	49.9	30-130	11.9	30	
Acenaphthene	0.0837	0.000304	"	0.166	0.000332	50.2	30-130	12	30	
Anthracene	0.0896	0.000334	"	0.166	92303	53.9	30-130	6.3	30	
Pyrene	0.096	0.000643	"	0.166	0.000693	57.4	30-130	5	30	
Benzo(a)pyrene	0.0947	0.000468	"	0.166	92303	57	30-130	8.3	30	
Benzo(k)fluoranthene	0.0947	0.000437	"	0.166	92303	57	30-130	1.3	30	
Chrysene	0.0905	0.000624	"	0.166	0.00125	53.7	30-130	7.4	30	
Dibenz(a,h)anthracene	0.1	0.000614	"	0.166	0.000953	59.6	30-130	12.2	30	
Fluoranthene	0.0934	0.000394	"	0.166	92303	56.2	30-130	5.3	30	
Fluorene	0.0909	0.000286	"	0.166	0.00163	53.7	30-130	10.5	30	
Benzo(a)anthracene	0.104	0.000493	"	0.166	92303	62.6	30-130	7.4	30	
Surrogate: 2-Fluorobiphenyl	48.3		"	0.331	153	48.3	33-115			
Surrogate: 4-Terphenyl-d14	60.7		"	0.331	173	60.7	33-122			
Surrogate: Nitrobenzene-d5	53.4		"	0.331	161	53.4	29-110			

<b>MS (L 92303-MS-L605816)</b>	<b>Source: 92303</b>			<b>Prepared: 03/18/2022 Analyzed: 03/21/2022</b>						
Anthracene	0.0955	0.000334	mg/Kg	0.163	92303	58.5	30-130			
Benzo(k)fluoranthene	0.0934	0.000437	"	0.163	92303	57.3	30-130			
1-Methylnaphthalene	0.0935	0.000364	"	0.163	0.000408	57.1	30-130			
2-Methylnaphthalene	0.0934	0.000645	"	0.163	92303	57.3	30-130			
Acenaphthene	0.0944	0.000304	"	0.163	0.000332	57.7	30-130			
Benzo(a)pyrene	0.103	0.000468	"	0.163	92303	63.1	30-130			
Benzo(b)fluoranthene	0.091	0.000585	"	0.163	92303	55.8	30-130			
Pyrene	0.101	0.000643	"	0.163	0.000693	61.5	30-130			

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 Grand Junction CO 81501

Ben Baugh  
 Project Number: [none]  
 Project: Heinze #1

**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 L605816 - 3550B**

<b>MS (L 92303-MS-L605816)</b>	<b>Source: 92303</b>			<b>Prepared: 03/18/2022 Analyzed: 03/21/2022</b>						
Chrysene	0.0975	0.000624	mg/Kg	0.163	0.00125	59	30-130			
Dibenz(a,h)anthracene	0.113	0.000614	"	0.163	0.000953	68.7	30-130			
Fluoranthene	0.0985	0.000394	"	0.163	92303	60.4	30-130			
Fluorene	0.101	0.000286	"	0.163	0.00163	60.9	30-130			
Indeno(1,2,3-cd)pyrene	0.109	0.000627	"	0.163	92303	66.8	30-130			
Benzo(a)anthracene	0.112	0.000493	"	0.163	92303	68.7	30-130			
<i>Surrogate: 2-Fluorobiphenyl</i>	54.7		"	0.327	153	54.7	33-115			
<i>Surrogate: 4-Terphenyl-d14</i>	64.2		"	0.327	173	64.2	33-122			
<i>Surrogate: Nitrobenzene-d5</i>	59.3		"	0.327	161	59.3	29-110			

<b>LCS (LCS-L605816)</b>				<b>Prepared: 03/18/2022 Analyzed: 03/21/2022</b>						
Benzo(a)pyrene	0.112	0.000468	mg/Kg	0.167		67	30-130			
Acenaphthene	0.101	0.000304	"	0.167		60.4	30-130			
Benzo(k)fluoranthene	0.111	0.000437	"	0.167		66.4	30-130			
Fluoranthene	0.109	0.000394	"	0.167		65.2	30-130			
Dibenz(a,h)anthracene	0.111	0.000614	"	0.167		66.4	30-130			
Chrysene	0.106	0.000624	"	0.167		63.4	30-130			
Benzo(b)fluoranthene	0.0997	0.000585	"	0.167		59.7	30-130			
Pyrene	0.111	0.000643	"	0.167		66.4	30-130			
Anthracene	0.105	0.000334	"	0.167		62.8	30-130			
2-Methylnaphthalene	0.0988	0.000645	"	0.167		59.1	30-130			
1-Methylnaphthalene	0.0995	0.000364	"	0.167		59.5	30-130			
Fluorene	0.105	0.000286	"	0.167		62.8	30-130			
Indeno(1,2,3-cd)pyrene	0.109	0.000627	"	0.167		65.2	30-130			
Benzo(a)anthracene	0.121	0.000493	"	0.167		72.4	30-130			
<i>Surrogate: 4-Terphenyl-d14</i>	69.3		"	0.333		69.3	33-122			
<i>Surrogate: 2-Fluorobiphenyl</i>	57.6		"	0.333		57.6	33-115			

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 Grand Junction CO 81501

Ben Baugh  
 Project Number: [none]  
 Project: Heinze #1

**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
<b>Batch L605816 - 3550B</b>										
<b>LCS (LCS-L605816)</b>										
					Prepared: 03/18/2022 Analyzed: 03/21/2022					
Surrogate: Nitrobenzene-d5	63		mg/Kg	0.333		63	29-110			
<b>LRB (LRB-L605816)</b>										
					Prepared: 03/18/2022 Analyzed: 03/21/2022					
Fluorene	ND	0.00067	mg/Kg				-			
Pyrene	ND	0.00067	"				-			
Indeno(1,2,3-cd)pyrene	ND	0.00067	"				-			
2-Methylnaphthalene	ND	0.00067	"				-			
Fluoranthene	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	"				-			
1-Methylnaphthalene	ND	0.00067	"				-			
Surrogate: Nitrobenzene-d5	63.3		"	0.333		63.3	29-110			
Surrogate: 2-Fluorobiphenyl	60		"	0.333		60	33-115			
Surrogate: 4-Terphenyl-d14	69.3		"	0.333		69.3	33-122			

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Ben Baugh  
 Project Number: [none]  
 Project: Heinze #1

**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
<b>Batch L605010 - 3050B</b>										
<b>MSD (L 90836-MSD-L605010)</b>			<b>Source: 90836</b>			Prepared: 03/15/2022 Analyzed: 03/22/2022				
Selenium	4.42	0.103	mg/Kg	4.93	0.555	78	75-125	3.2	80	
Barium	281	0.042	"	4.93	284	NR	75-125	1.7	80	*
<b>MS (L 90836-MS-L605010)</b>			<b>Source: 90836</b>			Prepared: 03/15/2022 Analyzed: 03/22/2022				
Selenium	4.28	0.103	mg/Kg	4.84	0.555	77	75-125			
Barium	276	0.042	"	4.84	284	NR	75-125			*
<b>LCS (LCS-L605010)</b>						Prepared: 03/15/2022 Analyzed: 03/19/2022				
Selenium	5	0.103	mg/Kg	5		100	80-120			
Barium	4.9	0.042	"	5		98	80-120			
<b>LRB (LRB-L605010)</b>						Prepared: 03/15/2022 Analyzed: 03/22/2022				
Selenium	0.191	0.25	mg/Kg				-			J
Barium	ND	0.25	"				-			

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330 Grand Ave. Unit C  
Grand Junction CO 81501

Ben Baugh  
Project Number: [none]  
Project: Heinze #1

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**Notes and Definitions**

U Sample is Non-Detect.

S-DUP Duplicate analysis confirmed surrogate failure due to matrix effects.

R-05 The sample was diluted due to the presence of high levels of non-target analytes resulting in elevated reporting limits.

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 on a wet weight basis.

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