



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



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

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.



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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, INC

1 Bill To JAGGA
DAVIDSON AT 7203309
GREAT WESTERN

www.originslaboratory.com
page 1 of 1

Client: Entrada Consulting Group
Address: [blank]
Telephone Number: 435-630-4748
Email Address: JPIKE@ENTRADACONS.COM, BBWAUGH@ENTRADACONS.COM, JDAVIDSON@GWP.COM

Project Manager: Ben Baugh
Project Name: HEINZE #1
Project Number: [blank]
Samples Collected By: TRENT PIKE

Sample ID Description	Date Sampled	Time Sampled	# of Containers	Preservative				Matrix			Analysis	Sample Instructions
				Unpreserved	HCl	HNO ₃	Other	Groundwater	Soil	Air Summa		
EX01-5	3/11/22	1215	2	X				X			STEIN, TAMS, TAT- PATE, BACUM SELENIUM	GRO/DO/DOO
EX02-5		1115										
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: [Signature]	Date: 3/11/22	Time: 1735		Received By: [Signature]				Date: 3/11/22	Time: 1735	Turnaround Time: Same Day <input type="checkbox"/> 24 Hr <input type="checkbox"/> 48 Hr <input type="checkbox"/> 72 Hr <input checked="" type="checkbox"/> Standard <input type="checkbox"/>		
Relinquished By: [Signature]	Date: [blank]	Time: [blank]		Received By: [blank]				Date: [blank]	Time: [blank]	Date Results Needed: [blank]		

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

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

Sample Receipt Checklist

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

Origins Work Order: 420309

Client: Entrada

Client Project ID: Heinze #1

Checklist Completed by: KH

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

Date/time completed: 3/14/22

Airbill #: 124

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

Cooler Number/Temperature: 1 / 6.4 °C 1 °C 1 °C (Describe) _____ °C

Thermometer ID: 1005

Requirement Description	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature between 0°C to ≤ 6°C ⁽¹⁾ ?		<input checked="" type="checkbox"/>		<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 ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Was adequate sample volume provided ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Are short holding time analytes or samples with HTs due within 48 hours present ⁽¹⁾ ?		<input checked="" type="checkbox"/>		
Is a chain-of-custody (COC) present and filled out completely ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Does the COC agree with the number and type of sample bottles received ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Do the sample IDs on the bottle labels match the COC ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Is the COC properly relinquished by the client with date and time recorded ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
For volatiles in water – is there headspace (> ¼ inch bubble) present? If yes, contact client and note in narrative.			<input checked="" type="checkbox"/>	
Are samples preserved that require preservation and was it checked ⁽¹⁾ ? (note ID of confirmation instrument used in comments) / (preservation is not confirmed for subcontracted analyses in order to insure sample integrity)(pH < 2 for samples preserved with HNO ₃ , HCL, H ₂ SO ₄) / (pH > 10 for samples preserved with NaAsO ₂ +NaOH, ZnAc+NaOH)			<input checked="" type="checkbox"/>	
Additional Comments (if any):				

⁽¹⁾If NO, then contact the client before proceeding with analysis and note date/time and person contacted as well as the corrective action to in the additional comments (above) and the case narrative.

Reviewed by (Project Manager) gdp

Date/Time Reviewed 3/14/22

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

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: o-Terphenyl 95.5 % 50-150 " " "

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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Entrada Consulting Group
330 Grand Ave. Unit C
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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	"	"	"

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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: o-Terphenyl 106 % 50-150 " " "

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: o-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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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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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	"	"	"

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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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: o-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	"	"	"

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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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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: o-Terphenyl 88.6 % 50-150 " " "

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: o-Terphenyl 91.9 % 50-150 " " "

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: o-Terphenyl 89.6 % 50-150 " " "

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

Surrogate: o-Terphenyl 85.4 % 50-150 " " "

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 106 % 70-130 " " "
Surrogate: Toluene-d8 104 % 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

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.



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

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: o-Terphenyl 93.3 % 50-150 " " "

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.



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

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.



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

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
17

03/15/2022

03/18/2022

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
Batch B2C1409 - EPA 3550B										
Blank (B2C1409-BLK1)					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

Matrix Spike (B2C1409-MS1)		Source: Y203269-02			Prepared: 03/14/2022 Analyzed: 03/16/2022					
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
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Batch B2C1409 - EPA 3550B

Matrix Spike Dup (B2C1409-MSD1)		Source: Y203269-02			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
Batch B2C1501 - EPA 3550B										
Blank (B2C1501-BLK1)					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.



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

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

Matrix Spike (B2C1501-MS1)		Source: Y203309-05			Prepared: 03/15/2022 Analyzed: 03/18/2022					
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
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Batch B2C1501 - EPA 3550B

Matrix Spike Dup (B2C1501-MSD1)		Source: Y203309-05			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			

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

Extractable Petroleum Hydrocarbons by 8015D - Quality Control

Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 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			

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

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			

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
Batch B2C1517 - EPA 5030 (soil)										
Matrix Spike (B2C1517-MS1)		Source: Y203309-01			Prepared: 03/15/2022 Analyzed: 03/17/2022					
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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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
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

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

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

MSD (L 90836-MSD-L605010)		Source: 90836			Prepared: 03/15/2022 Analyzed: 03/25/2022					
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	
MS (L 90836-MS-L605010)		Source: 90836			Prepared: 03/15/2022 Analyzed: 03/22/2022					
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			
LCS (LCS-L605010)					Prepared: 03/15/2022 Analyzed: 03/19/2022					
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			
LRB (LRB-L605010)					Prepared: 03/15/2022 Analyzed: 03/19/2022					

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

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	"				-			

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

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
Batch L608318 -										
DUP (L 90806-DUP)	Source: Y203309-11				Prepared: Analyzed: 04/01/2022					
Chromium, Hexavalent	ND	0.253	mg/Kg		90806	-		0	20	
MS (L 90806-MS)	Source: Y203309-11				Prepared: Analyzed: 04/01/2022					
Chromium, Hexavalent	3.47	0.252	mg/Kg	8.3	90806	42	75-125			*
LCS (LCS)					Prepared: Analyzed: 04/01/2022					
Chromium, Hexavalent	7.29	0.244	mg/Kg	8		91	75-125			
LRB (LRB)					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

MSD (L 90804-MSD-L605863)		Source: Y203309-09			Prepared: 03/19/2022 Analyzed: 03/22/2022					
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			

MS (L 90804-MS-L605863)		Source: Y203309-09			Prepared: 03/19/2022 Analyzed: 03/22/2022					
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

MS (L 90804-MS-L605863)		Source: Y203309-09			Prepared: 03/19/2022 Analyzed: 03/22/2022					
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			
Surrogate: 2-Fluorobiphenyl	76.5		"	0.328	215	76.5	33-115			
Surrogate: 4-Terphenyl-d14	86.5		"	0.328	233	86.5	33-122			
Surrogate: Nitrobenzene-d5	56.7		"	0.328	167	56.7	29-110			

LCS (LCS-L605863)		Prepared: 03/19/2022 Analyzed: 03/22/2022								
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			
Surrogate: 4-Terphenyl-d14	109		"	0.333		109	33-122			
Surrogate: 2-Fluorobiphenyl	96.6		"	0.333		96.6	33-115			

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

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
Batch L605863 - 3550B										
LCS (LCS-L605863)					Prepared: 03/19/2022 Analyzed: 03/22/2022					
Surrogate: Nitrobenzene-d5	68.7		mg/Kg	0.333		68.7	29-110			
LRB (LRB-L605863)					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			

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

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

MSD (L 90806-MSD-L605862)		Source: Y203309-11			Prepared: 03/19/2022 Analyzed: 03/22/2022					
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			

MS (L 90806-MS-L605862)		Source: Y203309-11			Prepared: 03/19/2022 Analyzed: 03/22/2022					
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			

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

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

MS (L 90806-MS-L605862)		Source: Y203309-11			Prepared: 03/19/2022 Analyzed: 03/22/2022					
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			

LCS (LCS-L605862)		Prepared: 03/19/2022 Analyzed: 03/22/2022								
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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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
Batch L605862 - 3550B										
LCS (LCS-L605862)					Prepared: 03/19/2022 Analyzed: 03/22/2022					
Surrogate: 2-Fluorobiphenyl	68.4		mg/Kg	0.333		68.4	33-115			
LRB (LRB-L605862)					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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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 L605816 - 3550B

MSD (L 92303-MSD-L605816)		Source: 92303			Prepared: 03/18/2022 Analyzed: 03/21/2022					
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			

MS (L 92303-MS-L605816)		Source: 92303			Prepared: 03/18/2022 Analyzed: 03/21/2022					
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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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 L605816 - 3550B

MS (L 92303-MS-L605816)		Source: 92303			Prepared: 03/18/2022 Analyzed: 03/21/2022					
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			
Surrogate: 2-Fluorobiphenyl	54.7		"	0.327	153	54.7	33-115			
Surrogate: 4-Terphenyl-d14	64.2		"	0.327	173	64.2	33-122			
Surrogate: Nitrobenzene-d5	59.3		"	0.327	161	59.3	29-110			

LCS (LCS-L605816)		Prepared: 03/18/2022 Analyzed: 03/21/2022								
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			
Surrogate: 4-Terphenyl-d14	69.3		"	0.333		69.3	33-122			
Surrogate: 2-Fluorobiphenyl	57.6		"	0.333		57.6	33-115			

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

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
Batch L605816 - 3550B										
LCS (LCS-L605816)					Prepared: 03/18/2022 Analyzed: 03/21/2022					
Surrogate: Nitrobenzene-d5	63		mg/Kg	0.333		63	29-110			
LRB (LRB-L605816)					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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330 Grand Ave. Unit C
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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
Batch L605010 - 3050B										
MSD (L 90836-MSD-L605010)			Source: 90836		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	*
MS (L 90836-MS-L605010)			Source: 90836		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			*
LCS (LCS-L605010)			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			
LRB (LRB-L605010)			Prepared: 03/15/2022 Analyzed: 03/22/2022							
Selenium	0.191	0.25	mg/Kg				-			J
Barium	ND	0.25	"				-			

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Entrada Consulting Group

330 Grand Ave. Unit C

Grand Junction CO 81501

Ben Baugh

Project Number: [none]

Project: Heinze #1

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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