



February 25, 2022

Blue Star Helium

Kristen Stocks

5 Tamarade Dr.

Littleton

CO 80127

Project Name - Enterprise State 16-1

Project Number - 05-071-09918

Attached are your analytical results for Enterprise State 16-1 received by Origins Laboratory, Inc. February 21, 2022. This project is associated with Origins project number Y202461-01.

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
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Blue Star Helium

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CO

80127

Kristen Stocks

Project Number: 05-071-09918

Project: Enterprise State 16-1

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Soil	Y202461-01	Soil	February 18, 2022 14:00	02/21/2022 10:10
Water	Y202461-02	Water	February 18, 2022 14:00	02/21/2022 10:10

Origins Laboratory, Inc.



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Jen Pellegrini For Noelle Doyle Mathis, President

Jen Pellegrini For Noelle Doyle Mathis, President

Blue Star Helium

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Kristen Stocks

Project Number: 05-071-09918

Project: Enterprise State 16-1

Origins Laboratory

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

Sample Receipt Checklist

Origins Work Order: Y202461

Client: Blue Star Helium

Client Project ID: Enterprise State 16-1

Checklist Completed by: JS

Shipped Via: HS

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

Date/time completed: 2/21/22

Airbill #: N/A

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

Cooler Number/Temperature: 1 / 13.5 °C _____ / _____ °C _____ / _____ °C (Describe) _____ °C

Thermometer ID: T003

Requirement Description	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature between 0°C to ≤ 6°C ⁽¹⁾ ?		<input checked="" type="checkbox"/>		
Is there ice present (document if blue ice is used)		<input checked="" type="checkbox"/>		
Are custody seals present on cooler? (if so, document in comments if they are signed and dated, broken or intact)		<input checked="" type="checkbox"/>		
Are custody seals present on each sample container? (if so, document in comments if they are signed and dated, broken or intact)		<input checked="" type="checkbox"/>		
Were all samples received intact ⁽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"/>	<u>Yes</u>	
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"/>			<u>HCL/Not checked</u>
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) JS

Date/Time Reviewed 2-22-22

Origins Laboratory, Inc.

Jefe Pellegrini

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Blue Star Helium

5 Tamarade Dr.

Littleton CO 80127

Kristen Stocks

Project Number: 05-071-09918

Project: Enterprise State 16-1

Soil

2/18/2022 2:00:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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GEL Laboratories, LLC

Y202461-01 (Soil)

Total Metals by 6010D

Arsenic	7.30	2.86	mg/kg dry	1	2232974	JWJ	02/22/2022	02/22/2022	
Barium	58.7	0.477	"	"	"	JWJ	"	"	
Cadmium	0.210	0.477	"	"	"	JWJ	"	"	J
Chromium	3.42	0.954	"	"	"	JWJ	"	"	
Lead	12.9	1.91	"	"	"	JWJ	"	"	
Selenium	0.531	2.86	"	"	"	JWJ	"	"	J
Silver	0.151	0.477	"	"	"	JWJ	"	"	J

Total Metals by 7471B

Mercury	0.0456	0.0214	mg/kg dry	1	2233225	MTM1	02/23/2022	02/24/2022	
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VOC by EPA 8260D

1,1,1,2-Tetrachloroethane	ND	0.00200	mg/kg	1	B2B2212	ZZZ	02/22/2022	02/22/2022	Ua
1,1,1-Trichloroethane	ND	0.00200	"	"	"	ZZZ	"	"	Ua
1,1,2,2-Tetrachloroethane	ND	0.00200	"	"	"	ZZZ	"	"	Ua
1,1,2-Trichloroethane	ND	0.00200	"	"	"	ZZZ	"	"	Ua
1,1-Dichloroethane	ND	0.00200	"	"	"	ZZZ	"	"	Ua
1,1-Dichloroethene	ND	0.00200	"	"	"	ZZZ	"	"	Ua
1,1-Dichloropropene	ND	0.00200	"	"	"	ZZZ	"	"	Ua
1,2,3-Trichlorobenzene	ND	0.00500	"	"	"	ZZZ	"	"	Ua

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Project Number: 05-071-09918

Project: Enterprise State 16-1

Soil

2/18/2022 2:00:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y202461-01 (Soil)

VOC by EPA 8260D

1,2,3-Trichloropropane	ND	0.00500	mg/kg	1	B2B2212	ZZZ	02/22/2022	02/22/2022	Ua
1,2,4-Trichlorobenzene	ND	0.00500	"	"	"	ZZZ	"	"	Ua
1,2,4-Trimethylbenzene	0.0545	0.00200	"	"	"	ZZZ	"	"	
1,2-Dibromo-3-chloropropane	ND	0.00500	"	"	"	ZZZ	"	"	Ua
1,2-Dibromoethane (EDB)	ND	0.00200	"	"	"	ZZZ	"	"	Ua
1,2-Dichlorobenzene	ND	0.00200	"	"	"	ZZZ	"	"	Ua
1,2-Dichloroethane	ND	0.00200	"	"	"	ZZZ	"	"	Ua
1,2-Dichloropropane	ND	0.00200	"	"	"	ZZZ	"	"	Ua
1,3,5-Trimethylbenzene	0.0104	0.00200	"	"	"	ZZZ	"	"	
1,3-Dichlorobenzene	ND	0.00200	"	"	"	ZZZ	"	"	Ua
1,3-Dichloropropane	ND	0.00200	"	"	"	ZZZ	"	"	Ua
1,4-Dichlorobenzene	ND	0.00200	"	"	"	ZZZ	"	"	Ua
2,2-Dichloropropane	ND	0.00200	"	"	"	ZZZ	"	"	Ua
2-Butanone	0.0177	0.0100	"	"	"	ZZZ	"	"	
2-Chlorotoluene	ND	0.00200	"	"	"	ZZZ	"	"	Ua
2-Hexanone	ND	0.0100	"	"	"	ZZZ	"	"	Ua
4-Chlorotoluene	ND	0.00200	"	"	"	ZZZ	"	"	Ua
4-Isopropyltoluene	0.00472	0.00200	"	"	"	ZZZ	"	"	
4-Methyl-2-pentanone	ND	0.0100	"	"	"	ZZZ	"	"	Ua
Acetone	0.0401	0.0200	"	"	"	ZZZ	"	"	

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Origins Laboratory, Inc. Y202461-01 (Soil)

VOC by EPA 8260D

Benzene	0.0529	0.00200	mg/kg	1	B2B2212	ZZZ	02/22/2022	02/22/2022	
Bromobenzene	ND	0.00200	"	"	"	ZZZ	"	"	Ua
Bromochloromethane	ND	0.00200	"	"	"	ZZZ	"	"	Ua
Bromodichloromethane	ND	0.00200	"	"	"	ZZZ	"	"	Ua
Bromoform	ND	0.00200	"	"	"	ZZZ	"	"	Ua
Bromomethane	ND	0.00200	"	"	"	ZZZ	"	"	Ua
Carbon disulfide	ND	0.00500	"	"	"	ZZZ	"	"	Ua
Carbon tetrachloride	ND	0.00200	"	"	"	ZZZ	"	"	Ua
Chlorobenzene	ND	0.00200	"	"	"	ZZZ	"	"	Ua
Chloroethane	ND	0.00500	"	"	"	ZZZ	"	"	Ua
Chloroform	ND	0.00200	"	"	"	ZZZ	"	"	Ua
Chloromethane	ND	0.00200	"	"	"	ZZZ	"	"	Ua
cis-1,2-Dichloroethene	ND	0.00200	"	"	"	ZZZ	"	"	Ua
cis-1,3-Dichloropropene	ND	0.00200	"	"	"	ZZZ	"	"	Ua
Dibromochloromethane	ND	0.00200	"	"	"	ZZZ	"	"	Ua
Dibromomethane	ND	0.00200	"	"	"	ZZZ	"	"	Ua
Ethylbenzene	0.0484	0.00200	"	"	"	ZZZ	"	"	
Hexachlorobutadiene	ND	0.00500	"	"	"	ZZZ	"	"	Ua
Iodomethane	ND	0.0150	"	"	"	ZZZ	"	"	Ua
Isopropylbenzene	0.0101	0.00200	"	"	"	ZZZ	"	"	

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Origins Laboratory, Inc. Y202461-01 (Soil)

VOC by EPA 8260D

m,p-Xylene	0.132	0.00400	mg/kg	1	B2B2212	ZZZ	02/22/2022	02/22/2022	
Methyl tert-Butyl Ether	ND	0.00200	"	"	"	ZZZ	"	"	Ua
Methylene Chloride	ND	0.0200	"	"	"	ZZZ	"	"	Ua
Naphthalene	0.0218	0.0100	"	"	"	ZZZ	"	"	
n-Butylbenzene	0.00408	0.00200	"	"	"	ZZZ	"	"	
n-Propylbenzene	0.0128	0.00200	"	"	"	ZZZ	"	"	
o-Xylene	0.0834	0.00200	"	"	"	ZZZ	"	"	
sec-Butylbenzene	ND	0.00200	"	"	"	ZZZ	"	"	Ua
Styrene	ND	0.00200	"	"	"	ZZZ	"	"	Ua
tert-Butylbenzene	ND	0.00200	"	"	"	ZZZ	"	"	Ua
Tetrachloroethene	ND	0.00200	"	"	"	ZZZ	"	"	Ua
Toluene	0.191	0.00200	"	"	"	ZZZ	"	"	
trans-1,2-Dichloroethene	ND	0.00200	"	"	"	ZZZ	"	"	Ua
trans-1,3-Dichloropropene	ND	0.00200	"	"	"	ZZZ	"	"	Ua
Trichloroethene	ND	0.00200	"	"	"	ZZZ	"	"	Ua
Trichlorofluoromethane	ND	0.00300	"	"	"	ZZZ	"	"	Ua
Vinyl chloride	ND	0.00200	"	"	"	ZZZ	"	"	Ua

Surrogate: 1,2-Dichloroethane-d4

116 %

70-130

"

"

"

Surrogate: Toluene-d8

99.7 %

70-130

"

"

"

Surrogate: 4-Bromofluorobenzene

107 %

70-130

"

"

"

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Project Number: 05-071-09918

Project: Enterprise State 16-1

Water

2/18/2022 2:00:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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GEL Laboratories, LLC

Y202461-02 (Water)

Total Metals by EPA 200.8

Arsenic	7.20	5.00	ug/L	1	2232976	BAJ	02/22/2022	02/23/2022	
Barium	2190	200	"	50	"	PRB	"	02/24/2022	
Cadmium	ND	1.00	"	1	"	BAJ	"	02/23/2022	U
Chromium	18.4	10.0	"	"	"	BAJ	"	"	
Lead	23.8	2.00	"	"	"	BAJ	"	"	
Selenium	7.19	5.00	"	"	"	BAJ	"	"	
Silver	ND	1.00	"	"	"	BAJ	"	"	U

Total Metals by EPA 245.1

Mercury	0.359	0.200	ug/L	1	2233231	MTM1	02/23/2022	02/24/2022	
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VOC by EPA 8260D

1,1,1,2-Tetrachloroethane	ND	1.00	ug/L	1	B2B2213	ZZZ	02/22/2022	02/22/2022	Ua
1,1,1-Trichloroethane	ND	1.00	"	"	"	ZZZ	"	"	Ua
1,1,2,2-Tetrachloroethane	ND	1.00	"	"	"	ZZZ	"	"	Ua
1,1,2-Trichloroethane	ND	1.00	"	"	"	ZZZ	"	"	Ua
1,1-Dichloroethane	ND	1.00	"	"	"	ZZZ	"	"	Ua
1,1-Dichloroethene	ND	1.00	"	"	"	ZZZ	"	"	Ua
1,1-Dichloropropene	ND	1.00	"	"	"	ZZZ	"	"	Ua
1,2,3-Trichlorobenzene	ND	5.00	"	"	"	ZZZ	"	"	Ua

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Project Number: 05-071-09918

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Water

2/18/2022 2:00:00PM

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

Y202461-02 (Water)

VOC by EPA 8260D

1,2,3-Trichloropropane	ND	5.00	ug/L	1	B2B2213	ZZZ	02/22/2022	02/22/2022	Ua
1,2,4-Trichlorobenzene	ND	5.00	"	"	"	ZZZ	"	"	Ua
1,2,4-Trimethylbenzene	ND	1.00	"	"	"	ZZZ	"	"	Ua
1,2-Dibromo-3-chloropropane	ND	5.00	"	"	"	ZZZ	"	"	Ua
1,2-Dibromoethane (EDB)	ND	1.00	"	"	"	ZZZ	"	"	Ua
1,2-Dichlorobenzene	ND	1.00	"	"	"	ZZZ	"	"	Ua
1,2-Dichloroethane	ND	1.00	"	"	"	ZZZ	"	"	Ua
1,2-Dichloropropane	ND	1.00	"	"	"	ZZZ	"	"	Ua
1,3,5-Trimethylbenzene	ND	1.00	"	"	"	ZZZ	"	"	Ua
1,3-Dichlorobenzene	ND	1.00	"	"	"	ZZZ	"	"	Ua
1,3-Dichloropropane	ND	1.00	"	"	"	ZZZ	"	"	Ua
1,4-Dichlorobenzene	ND	1.00	"	"	"	ZZZ	"	"	Ua
2,2-Dichloropropane	ND	1.00	"	"	"	ZZZ	"	"	Ua
2-Butanone	ND	5.00	"	"	"	ZZZ	"	"	Ua
2-Chlorotoluene	ND	1.00	"	"	"	ZZZ	"	"	Ua
2-Hexanone	ND	5.00	"	"	"	ZZZ	"	"	Ua
4-Chlorotoluene	ND	1.00	"	"	"	ZZZ	"	"	Ua
4-Isopropyltoluene	ND	1.00	"	"	"	ZZZ	"	"	Ua
4-Methyl-2-pentanone	ND	5.00	"	"	"	ZZZ	"	"	Ua

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2/18/2022 2:00:00PM

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

Y202461-02 (Water)

VOC by EPA 8260D

Acetone	304	8.00	ug/L	1	B2B2213	ZZZ	02/22/2022	02/22/2022	
Benzene	ND	1.00	"	"	"	ZZZ	"	"	Ua
Bromobenzene	ND	1.00	"	"	"	ZZZ	"	"	Ua
Bromochloromethane	ND	1.00	"	"	"	ZZZ	"	"	Ua
Bromodichloromethane	ND	1.00	"	"	"	ZZZ	"	"	Ua
Bromoform	ND	1.00	"	"	"	ZZZ	"	"	Ua
Bromomethane	ND	1.00	"	"	"	ZZZ	"	"	Ua
Carbon disulfide	ND	5.00	"	"	"	ZZZ	"	"	Ua
Carbon tetrachloride	ND	1.00	"	"	"	ZZZ	"	"	Ua
Chlorobenzene	ND	1.00	"	"	"	ZZZ	"	"	Ua
Chloroethane	ND	1.00	"	"	"	ZZZ	"	"	Ua
Chloroform	ND	1.00	"	"	"	ZZZ	"	"	Ua
Chloromethane	ND	1.00	"	"	"	ZZZ	"	"	Ua
cis-1,2-Dichloroethene	ND	1.00	"	"	"	ZZZ	"	"	Ua
cis-1,3-Dichloropropene	ND	1.00	"	"	"	ZZZ	"	"	Ua
Dibromochloromethane	ND	1.00	"	"	"	ZZZ	"	"	Ua
Dibromomethane	ND	1.00	"	"	"	ZZZ	"	"	Ua
Ethylbenzene	ND	1.00	"	"	"	ZZZ	"	"	Ua
Hexachlorobutadiene	ND	5.00	"	"	"	ZZZ	"	"	Ua

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Water

2/18/2022 2:00:00PM

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Origins Laboratory, Inc.

Y202461-02 (Water)

VOC by EPA 8260D

Iodomethane	ND	10.0	ug/L	1	B2B2213	ZZZ	02/22/2022	02/22/2022	Ua
Isopropylbenzene	ND	1.00	"	"	"	ZZZ	"	"	Ua
m,p-Xylene	ND	2.00	"	"	"	ZZZ	"	"	Ua
Methylene Chloride	ND	15.0	"	"	"	ZZZ	"	"	Ua
Methyl tert-Butyl Ether	ND	1.00	"	"	"	ZZZ	"	"	Ua
Naphthalene	ND	4.00	"	"	"	ZZZ	"	"	Ua
n-Butylbenzene	ND	1.00	"	"	"	ZZZ	"	"	Ua
n-Propylbenzene	ND	1.00	"	"	"	ZZZ	"	"	Ua
o-Xylene	ND	1.00	"	"	"	ZZZ	"	"	Ua
sec-Butylbenzene	ND	1.00	"	"	"	ZZZ	"	"	Ua
Styrene	ND	1.00	"	"	"	ZZZ	"	"	Ua
tert-Butylbenzene	ND	1.00	"	"	"	ZZZ	"	"	Ua
Tetrachloroethene	ND	1.00	"	"	"	ZZZ	"	"	Ua
Toluene	1.91	1.00	"	"	"	ZZZ	"	"	
trans-1,2-Dichloroethene	ND	1.00	"	"	"	ZZZ	"	"	Ua
trans-1,3-Dichloropropene	ND	1.00	"	"	"	ZZZ	"	"	Ua
Trichloroethene	ND	1.00	"	"	"	ZZZ	"	"	Ua
Trichlorofluoromethane	ND	1.00	"	"	"	ZZZ	"	"	Ua
Vinyl chloride	ND	1.00	"	"	"	ZZZ	"	"	Ua

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Water

2/18/2022 2:00:00PM

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

Y202461-02 (Water)

VOC by EPA 8260D

Surrogate: 1,2-Dichloroethane-d4	102 %	70-130	B2B22 13	02/22/2022	02/22/2022
Surrogate: Toluene-d8	99.3 %	70-130	"	"	"
Surrogate: 4-Bromofluorobenzene	99.4 %	70-130	"	"	"

Origins Laboratory, Inc.



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Blue Star Helium

5 Tamarade Dr.

Littleton CO 80127

Kristen Stocks

Project Number: 05-071-09918

Project: Enterprise State 16-1

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 B2B2212 - EPA 5030 (soil)

Blank (B2B2212-BLK1)

Prepared: 02/22/2022 Analyzed: 02/22/2022

1,1,1,2-Tetrachloroethane	ND	0.00200	mg/kg							Ua
1,1,1-Trichloroethane	ND	0.00200	"							Ua
1,1,2,2-Tetrachloroethane	ND	0.00200	"							Ua
1,1,2-Trichloroethane	ND	0.00200	"							Ua
1,1-Dichloroethane	ND	0.00200	"							Ua
1,1-Dichloroethene	ND	0.00200	"							Ua
1,1-Dichloropropene	ND	0.00200	"							Ua
1,2,3-Trichlorobenzene	ND	0.00500	"							Ua
1,2,3-Trichloropropane	ND	0.00500	"							Ua
1,2,4-Trichlorobenzene	ND	0.00500	"							Ua
1,2,4-Trimethylbenzene	ND	0.00200	"							Ua
1,2-Dibromo-3-chloropropane	ND	0.00500	"							Ua
1,2-Dibromoethane (EDB)	ND	0.00200	"							Ua
1,2-Dichlorobenzene	ND	0.00200	"							Ua
1,2-Dichloroethane	ND	0.00200	"							Ua
1,2-Dichloropropane	ND	0.00200	"							Ua
1,3,5-Trimethylbenzene	ND	0.00200	"							Ua
1,3-Dichlorobenzene	ND	0.00200	"							Ua
1,3-Dichloropropane	ND	0.00200	"							Ua
1,4-Dichlorobenzene	ND	0.00200	"							Ua
2,2-Dichloropropane	ND	0.00200	"							Ua
2-Butanone	ND	0.0100	"							Ua
2-Chlorotoluene	ND	0.00200	"							Ua
2-Hexanone	ND	0.0100	"							Ua
4-Chlorotoluene	ND	0.00200	"							Ua
4-Isopropyltoluene	ND	0.00200	"							Ua

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B2B2212 - EPA 5030 (soil)

Blank (B2B2212-BLK1)

Prepared: 02/22/2022 Analyzed: 02/22/2022

4-Methyl-2-pentanone	ND	0.0100	mg/kg							Ua
Acetone	ND	0.0200	"							Ua
Benzene	ND	0.00200	"							Ua
Bromobenzene	ND	0.00200	"							Ua
Bromochloromethane	ND	0.00200	"							Ua
Bromodichloromethane	ND	0.00200	"							Ua
Bromoform	ND	0.00200	"							Ua
Bromomethane	ND	0.00200	"							Ua
Carbon disulfide	ND	0.00500	"							Ua
Carbon tetrachloride	ND	0.00200	"							Ua
Chlorobenzene	ND	0.00200	"							Ua
Chloroethane	ND	0.00500	"							Ua
Chloroform	ND	0.00200	"							Ua
Chloromethane	ND	0.00200	"							Ua
cis-1,2-Dichloroethene	ND	0.00200	"							Ua
cis-1,3-Dichloropropene	ND	0.00200	"							Ua
Dibromochloromethane	ND	0.00200	"							Ua
Dibromomethane	ND	0.00200	"							Ua
Ethylbenzene	ND	0.00200	"							Ua
Hexachlorobutadiene	ND	0.00500	"							Ua
Iodomethane	ND	0.0150	"							Ua
Isopropylbenzene	ND	0.00200	"							Ua
m,p-Xylene	ND	0.00400	"							Ua
Methyl tert-Butyl Ether	ND	0.00200	"							Ua
Methylene Chloride	ND	0.0200	"							Ua
Naphthalene	ND	0.0100	"							Ua

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Project Number: 05-071-09918

Project: Enterprise State 16-1

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 B2B2212 - EPA 5030 (soil)

Blank (B2B2212-BLK1)

Prepared: 02/22/2022 Analyzed: 02/22/2022

n-Butylbenzene	ND	0.00200	mg/kg							Ua
n-Propylbenzene	ND	0.00200	"							Ua
o-Xylene	ND	0.00200	"							Ua
sec-Butylbenzene	ND	0.00200	"							Ua
Styrene	ND	0.00200	"							Ua
tert-Butylbenzene	ND	0.00200	"							Ua
Tetrachloroethene	ND	0.00200	"							Ua
Toluene	ND	0.00200	"							Ua
trans-1,2-Dichloroethene	ND	0.00200	"							Ua
trans-1,3-Dichloropropene	ND	0.00200	"							Ua
Trichloroethene	ND	0.00200	"							Ua
Trichlorofluoromethane	ND	0.00300	"							Ua
Vinyl chloride	ND	0.00200	"							Ua
Surrogate: 1,2-Dichloroethane-d4	0.13		"	0.125	103		70-130			
Surrogate: Toluene-d8	0.12		"	0.125	99.2		70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125	99.6		70-130			

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Project: Enterprise State 16-1

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 B2B2212 - EPA 5030 (soil)

LCS (B2B2212-BS1)

Prepared: 02/22/2022 Analyzed: 02/22/2022

1,1,1,2-Tetrachloroethane	0.111	0.00200	mg/kg	0.100		111	70-130			
1,1,1-Trichloroethane	0.108	0.00200	"	0.100		108	70-130			
1,1,2,2-Tetrachloroethane	0.115	0.00200	"	0.100		115	70-130			
1,1,2-Trichloroethane	0.110	0.00200	"	0.100		110	70-130			
1,1-Dichloroethane	0.106	0.00200	"	0.100		106	70-130			
1,1-Dichloroethene	0.105	0.00200	"	0.100		105	70-130			
1,1-Dichloropropene	0.104	0.00200	"	0.100		104	70-130			
1,2,3-Trichlorobenzene	0.114	0.00500	"	0.100		114	70-130			
1,2,3-Trichloropropane	0.110	0.00500	"	0.100		110	70-130			
1,2,4-Trichlorobenzene	0.111	0.00500	"	0.100		111	70-130			
1,2,4-Trimethylbenzene	0.100	0.00200	"	0.100		100	70-130			
1,2-Dibromo-3-chloropropane	0.111	0.00500	"	0.100		111	70-130			
1,2-Dibromoethane (EDB)	0.113	0.00200	"	0.100		113	70-130			
1,2-Dichlorobenzene	0.0995	0.00200	"	0.100		99.5	70-130			
1,2-Dichloroethane	0.108	0.00200	"	0.100		108	70-130			
1,2-Dichloropropane	0.107	0.00200	"	0.100		107	70-130			
1,3,5-Trimethylbenzene	0.0985	0.00200	"	0.100		98.5	70-130			
1,3-Dichlorobenzene	0.116	0.00200	"	0.100		116	70-130			
1,3-Dichloropropane	0.109	0.00200	"	0.100		109	70-130			
1,4-Dichlorobenzene	0.111	0.00200	"	0.100		111	70-130			
2,2-Dichloropropane	0.107	0.00200	"	0.100		107	70-130			
2-Butanone	0.581	0.0100	"	0.500		116	70-130			
2-Chlorotoluene	0.0963	0.00200	"	0.100		96.3	70-130			
2-Hexanone	0.628	0.0100	"	0.500		126	70-130			
4-Chlorotoluene	0.0984	0.00200	"	0.100		98.4	70-130			
4-Isopropyltoluene	0.0981	0.00200	"	0.100		98.1	70-130			

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Littleton CO 80127

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Project Number: 05-071-09918

Project: Enterprise State 16-1

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 B2B2212 - EPA 5030 (soil)

LCS (B2B2212-BS1)

Prepared: 02/22/2022 Analyzed: 02/22/2022

4-Methyl-2-pentanone	0.616	0.0100	mg/kg	0.500		123	70-130			
Acetone	0.583	0.0200	"	0.500		117	70-130			
Benzene	0.105	0.00200	"	0.100		105	70-130			
Bromobenzene	0.103	0.00200	"	0.100		103	70-130			
Bromochloromethane	0.108	0.00200	"	0.100		108	70-130			
Bromodichloromethane	0.113	0.00200	"	0.100		113	70-130			
Bromoform	0.112	0.00200	"	0.100		112	70-130			
Bromomethane	0.170	0.00200	"	0.100		170	70-130			QM-11
Carbon disulfide	0.108	0.00500	"	0.100		108	70-130			
Carbon tetrachloride	0.108	0.00200	"	0.100		108	70-130			
Chlorobenzene	0.102	0.00200	"	0.100		102	70-130			
Chloroethane	0.158	0.00500	"	0.100		158	70-130			QM-11
Chloroform	0.114	0.00200	"	0.100		114	70-130			
Chloromethane	0.351	0.00200	"	0.100		351	70-130			QM-11
cis-1,2-Dichloroethene	0.106	0.00200	"	0.100		106	70-130			
cis-1,3-Dichloropropene	0.113	0.00200	"	0.100		113	70-130			
Dibromochloromethane	0.121	0.00200	"	0.100		121	70-130			
Dibromomethane	0.110	0.00200	"	0.100		110	70-130			
Ethylbenzene	0.0996	0.00200	"	0.100		99.6	70-130			
Hexachlorobutadiene	0.0929	0.00500	"	0.100		92.9	70-130			
Iodomethane	0.112	0.0150	"	0.100		112	70-130			
Isopropylbenzene	0.100	0.00200	"	0.100		100	70-130			
m,p-Xylene	0.192	0.00400	"	0.200		96.2	70-130			
Methyl tert-Butyl Ether	0.113	0.00200	"	0.100		113	70-130			
Methylene Chloride	0.107	0.0200	"	0.100		107	70-130			
Naphthalene	0.117	0.0100	"	0.100		117	70-130			

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5 Tamarade Dr.

Littleton CO 80127

Kristen Stocks

Project Number: 05-071-09918

Project: Enterprise State 16-1

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 B2B2212 - EPA 5030 (soil)

LCS (B2B2212-BS1)

Prepared: 02/22/2022 Analyzed: 02/22/2022

n-Butylbenzene	0.0939	0.00200	mg/kg	0.100		93.9	70-130			
n-Propylbenzene	0.0979	0.00200	"	0.100		97.9	70-130			
o-Xylene	0.102	0.00200	"	0.100		102	70-130			
sec-Butylbenzene	0.0978	0.00200	"	0.100		97.8	70-130			
Styrene	0.111	0.00200	"	0.100		111	70-130			
tert-Butylbenzene	0.0982	0.00200	"	0.100		98.2	70-130			
Tetrachloroethene	0.100	0.00200	"	0.100		100	70-130			
Toluene	0.102	0.00200	"	0.100		102	70-130			
trans-1,2-Dichloroethene	0.106	0.00200	"	0.100		106	70-130			
trans-1,3-Dichloropropene	0.118	0.00200	"	0.100		118	70-130			
Trichloroethene	0.103	0.00200	"	0.100		103	70-130			
Trichlorofluoromethane	0.146	0.00300	"	0.100		146	70-130			QM-11
Vinyl chloride	0.228	0.00200	"	0.100		228	70-130			QM-11
Surrogate: 1,2-Dichloroethane-d4	0.12		"	0.125		100	70-130			
Surrogate: Toluene-d8	0.13		"	0.125		101	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		100	70-130			

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Volatile Organic Compounds by GC/MS SW846 8260D - Quality Control

Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B2B2212 - EPA 5030 (soil)

Matrix Spike (B2B2212-MS1)		Source: Y202495-01			Prepared: 02/22/2022 Analyzed: 02/22/2022					
1,1,1,2-Tetrachloroethane	0.0782	0.00200	mg/kg	0.100	ND	78.2	70-130			
1,1,1-Trichloroethane	0.0800	0.00200	"	0.100	ND	80.0	70-130			
1,1,2,2-Tetrachloroethane	0.0877	0.00200	"	0.100	ND	87.7	70-130			
1,1,2-Trichloroethane	0.0807	0.00200	"	0.100	ND	80.7	70-130			
1,1-Dichloroethane	0.0769	0.00200	"	0.100	ND	76.9	70-130			
1,1-Dichloroethene	0.0801	0.00200	"	0.100	ND	80.1	70-130			
1,1-Dichloropropene	0.0760	0.00200	"	0.100	ND	76.0	70-130			
1,2,3-Trichlorobenzene	0.0887	0.00500	"	0.100	ND	88.7	70-130			
1,2,3-Trichloropropane	0.0806	0.00500	"	0.100	ND	80.6	70-130			
1,2,4-Trichlorobenzene	0.0866	0.00500	"	0.100	ND	86.6	70-130			
1,2,4-Trimethylbenzene	0.0739	0.00200	"	0.100	ND	73.9	70-130			
1,2-Dibromo-3-chloropropane	0.0827	0.00500	"	0.100	ND	82.7	70-130			
1,2-Dibromoethane (EDB)	0.0828	0.00200	"	0.100	ND	82.8	70-130			
1,2-Dichlorobenzene	0.0768	0.00200	"	0.100	ND	76.8	70-130			
1,2-Dichloroethane	0.0807	0.00200	"	0.100	ND	80.7	70-130			
1,2-Dichloropropane	0.0777	0.00200	"	0.100	ND	77.7	70-130			
1,3,5-Trimethylbenzene	0.0731	0.00200	"	0.100	ND	73.1	70-130			
1,3-Dichlorobenzene	0.0756	0.00200	"	0.100	ND	75.6	70-130			
1,3-Dichloropropane	0.0800	0.00200	"	0.100	ND	80.0	70-130			
1,4-Dichlorobenzene	0.0757	0.00200	"	0.100	ND	75.7	70-130			
2,2-Dichloropropane	0.0810	0.00200	"	0.100	ND	81.0	70-130			
2-Butanone	0.440	0.0100	"	0.500	ND	87.9	70-130			
2-Chlorotoluene	0.0734	0.00200	"	0.100	ND	73.4	70-130			
2-Hexanone	0.467	0.0100	"	0.500	0.00154	93.1	70-130			
4-Chlorotoluene	0.0741	0.00200	"	0.100	ND	74.1	70-130			
4-Isopropyltoluene	0.0727	0.00200	"	0.100	ND	72.7	70-130			

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Volatile Organic Compounds by GC/MS SW846 8260D - Quality Control

Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B2B2212 - EPA 5030 (soil)

Matrix Spike (B2B2212-MS1)		Source: Y202495-01			Prepared: 02/22/2022 Analyzed: 02/22/2022					
4-Methyl-2-pentanone	0.460	0.0100	mg/kg	0.500	ND	91.9	70-130			
Acetone	0.390	0.0200	"	0.500	ND	78.0	70-130			
Benzene	0.0765	0.00200	"	0.100	ND	76.5	70-130			
Bromobenzene	0.0761	0.00200	"	0.100	ND	76.1	70-130			
Bromochloromethane	0.0795	0.00200	"	0.100	ND	79.5	70-130			
Bromodichloromethane	0.0811	0.00200	"	0.100	ND	81.1	70-130			
Bromoform	0.0897	0.00200	"	0.100	ND	89.7	70-130			
Bromomethane	0.141	0.00200	"	0.100	ND	141	70-130			QM-07
Carbon disulfide	0.0803	0.00500	"	0.100	ND	80.3	70-130			
Carbon tetrachloride	0.0803	0.00200	"	0.100	ND	80.3	70-130			
Chlorobenzene	0.0756	0.00200	"	0.100	ND	75.6	70-130			
Chloroethane	0.116	0.00500	"	0.100	ND	116	70-130			
Chloroform	0.0765	0.00200	"	0.100	ND	76.5	70-130			
Chloromethane	0.274	0.00200	"	0.100	ND	274	70-130			QM-07
cis-1,2-Dichloroethene	0.0769	0.00200	"	0.100	ND	76.9	70-130			
cis-1,3-Dichloropropene	0.0818	0.00200	"	0.100	ND	81.8	70-130			
Dibromochloromethane	0.0863	0.00200	"	0.100	ND	86.3	70-130			
Dibromomethane	0.0816	0.00200	"	0.100	ND	81.6	70-130			
Ethylbenzene	0.0735	0.00200	"	0.100	ND	73.5	70-130			
Hexachlorobutadiene	0.0705	0.00500	"	0.100	ND	70.5	70-130			
Iodomethane	0.0759	0.0150	"	0.100	ND	75.9	70-130			
Isopropylbenzene	0.0727	0.00200	"	0.100	ND	72.7	70-130			
m,p-Xylene	0.144	0.00400	"	0.200	ND	71.8	70-130			
Methyl tert-Butyl Ether	0.0828	0.00200	"	0.100	ND	82.8	70-130			
Methylene Chloride	0.0354	0.0200	"	0.100	0.00858	26.8	70-130			O-01, QM-07
Naphthalene	0.0921	0.0100	"	0.100	ND	92.1	70-130			

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B2B2212 - EPA 5030 (soil)

Matrix Spike (B2B2212-MS1)		Source: Y202495-01			Prepared: 02/22/2022 Analyzed: 02/22/2022					
n-Butylbenzene	0.0729	0.00200	mg/kg	0.100	ND	72.9	70-130			
n-Propylbenzene	0.0720	0.00200	"	0.100	ND	72.0	70-130			
o-Xylene	0.0740	0.00200	"	0.100	ND	74.0	70-130			
sec-Butylbenzene	0.0713	0.00200	"	0.100	ND	71.3	70-130			
Styrene	0.0813	0.00200	"	0.100	ND	81.3	70-130			
tert-Butylbenzene	0.0722	0.00200	"	0.100	ND	72.2	70-130			
Tetrachloroethene	0.0748	0.00200	"	0.100	ND	74.8	70-130			
Toluene	0.0751	0.00200	"	0.100	ND	75.1	70-130			
trans-1,2-Dichloroethene	0.0767	0.00200	"	0.100	ND	76.7	70-130			
trans-1,3-Dichloropropene	0.0858	0.00200	"	0.100	ND	85.8	70-130			
Trichloroethene	0.0764	0.00200	"	0.100	ND	76.4	70-130			
Trichlorofluoromethane	0.107	0.00300	"	0.100	ND	107	70-130			
Vinyl chloride	0.188	0.00200	"	0.100	ND	188	70-130			QM-07
Surrogate: 1,2-Dichloroethane-d4	0.13		"	0.125		106	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		99.3	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		99.5	70-130			

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Blue Star Helium

5 Tamarade Dr.

Littleton CO 80127

Kristen Stocks

Project Number: 05-071-09918

Project: Enterprise State 16-1

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 B2B2212 - EPA 5030 (soil)

Matrix Spike Dup (B2B2212-MSD1)		Source: Y202495-01			Prepared: 02/22/2022 Analyzed: 02/22/2022					
1,1,1,2-Tetrachloroethane	0.0739	0.00200	mg/kg	0.100	ND	73.9	70-130	5.66	20	
1,1,1-Trichloroethane	0.0762	0.00200	"	0.100	ND	76.2	70-130	4.81	20	
1,1,2,2-Tetrachloroethane	0.0821	0.00200	"	0.100	ND	82.1	70-130	6.62	20	
1,1,2-Trichloroethane	0.0755	0.00200	"	0.100	ND	75.5	70-130	6.64	20	
1,1-Dichloroethane	0.0725	0.00200	"	0.100	ND	72.5	70-130	5.81	20	
1,1-Dichloroethene	0.0769	0.00200	"	0.100	ND	76.9	70-130	4.10	20	
1,1-Dichloropropene	0.0721	0.00200	"	0.100	ND	72.1	70-130	5.18	20	
1,2,3-Trichlorobenzene	0.0808	0.00500	"	0.100	ND	80.8	70-130	9.32	20	
1,2,3-Trichloropropane	0.0759	0.00500	"	0.100	ND	75.9	70-130	6.03	20	
1,2,4-Trichlorobenzene	0.0803	0.00500	"	0.100	ND	80.3	70-130	7.62	20	
1,2,4-Trimethylbenzene	0.0707	0.00200	"	0.100	ND	70.7	70-130	4.48	20	
1,2-Dibromo-3-chloropropane	0.0758	0.00500	"	0.100	ND	75.8	70-130	8.73	20	
1,2-Dibromoethane (EDB)	0.0779	0.00200	"	0.100	ND	77.9	70-130	6.08	20	
1,2-Dichlorobenzene	0.0734	0.00200	"	0.100	ND	73.4	70-130	4.47	20	
1,2-Dichloroethane	0.0759	0.00200	"	0.100	ND	75.9	70-130	6.03	20	
1,2-Dichloropropane	0.0741	0.00200	"	0.100	ND	74.1	70-130	4.74	20	
1,3,5-Trimethylbenzene	0.0699	0.00200	"	0.100	ND	69.9	70-130	4.42	20	QM-07
1,3-Dichlorobenzene	0.0722	0.00200	"	0.100	ND	72.2	70-130	4.60	20	
1,3-Dichloropropane	0.0758	0.00200	"	0.100	ND	75.8	70-130	5.44	20	
1,4-Dichlorobenzene	0.0724	0.00200	"	0.100	ND	72.4	70-130	4.43	20	
2,2-Dichloropropane	0.0764	0.00200	"	0.100	ND	76.4	70-130	5.84	20	
2-Butanone	0.411	0.0100	"	0.500	ND	82.3	70-130	6.64	20	
2-Chlorotoluene	0.0702	0.00200	"	0.100	ND	70.2	70-130	4.51	20	
2-Hexanone	0.433	0.0100	"	0.500	0.00154	86.3	70-130	7.53	20	
4-Chlorotoluene	0.0706	0.00200	"	0.100	ND	70.6	70-130	4.89	20	
4-Isopropyltoluene	0.0692	0.00200	"	0.100	ND	69.2	70-130	5.02	20	QM-07

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Littleton CO 80127

Kristen Stocks

Project Number: 05-071-09918

Project: Enterprise State 16-1

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 B2B2212 - EPA 5030 (soil)

Matrix Spike Dup (B2B2212-MSD1)		Source: Y202495-01			Prepared: 02/22/2022 Analyzed: 02/22/2022					
4-Methyl-2-pentanone	0.426	0.0100	mg/kg	0.500	ND	85.2	70-130	7.61	20	
Acetone	0.402	0.0200	"	0.500	ND	80.4	70-130	3.12	20	
Benzene	0.0725	0.00200	"	0.100	ND	72.5	70-130	5.37	20	
Bromobenzene	0.0726	0.00200	"	0.100	ND	72.6	70-130	4.73	20	
Bromochloromethane	0.0755	0.00200	"	0.100	ND	75.5	70-130	5.16	20	
Bromodichloromethane	0.0765	0.00200	"	0.100	ND	76.5	70-130	5.86	20	
Bromoform	0.0837	0.00200	"	0.100	ND	83.7	70-130	6.97	20	
Bromomethane	0.136	0.00200	"	0.100	ND	136	70-130	3.70	20	QM-07
Carbon disulfide	0.0775	0.00500	"	0.100	ND	77.5	70-130	3.57	20	
Carbon tetrachloride	0.0770	0.00200	"	0.100	ND	77.0	70-130	4.15	20	
Chlorobenzene	0.0721	0.00200	"	0.100	ND	72.1	70-130	4.74	20	
Chloroethane	0.123	0.00500	"	0.100	ND	123	70-130	6.26	20	
Chloroform	0.0722	0.00200	"	0.100	ND	72.2	70-130	5.84	20	
Chloromethane	0.266	0.00200	"	0.100	ND	266	70-130	2.89	20	QM-07
cis-1,2-Dichloroethene	0.0731	0.00200	"	0.100	ND	73.1	70-130	5.07	20	
cis-1,3-Dichloropropene	0.0770	0.00200	"	0.100	ND	77.0	70-130	6.05	20	
Dibromochloromethane	0.0809	0.00200	"	0.100	ND	80.9	70-130	6.41	20	
Dibromomethane	0.0774	0.00200	"	0.100	ND	77.4	70-130	5.28	20	
Ethylbenzene	0.0701	0.00200	"	0.100	ND	70.1	70-130	4.74	20	
Hexachlorobutadiene	0.0661	0.00500	"	0.100	ND	66.1	70-130	6.39	20	QM-07
Iodomethane	0.0731	0.0150	"	0.100	ND	73.1	70-130	3.79	20	
Isopropylbenzene	0.0698	0.00200	"	0.100	ND	69.8	70-130	4.04	20	QM-07
m,p-Xylene	0.136	0.00400	"	0.200	ND	68.0	70-130	5.47	20	QM-07
Methyl tert-Butyl Ether	0.0783	0.00200	"	0.100	ND	78.3	70-130	5.59	20	
Methylene Chloride	0.0336	0.0200	"	0.100	0.00858	25.0	70-130	5.34	20	O-01, QM-07
Naphthalene	0.0828	0.0100	"	0.100	ND	82.8	70-130	10.6	20	

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Littleton CO 80127

Kristen Stocks

Project Number: 05-071-09918

Project: Enterprise State 16-1

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 B2B2212 - EPA 5030 (soil)

Matrix Spike Dup (B2B2212-MSD1)		Source: Y202495-01			Prepared: 02/22/2022 Analyzed: 02/22/2022					
n-Butylbenzene	0.0686	0.00200	mg/kg	0.100	ND	68.6	70-130	5.99	20	QM-07
n-Propylbenzene	0.0690	0.00200	"	0.100	ND	69.0	70-130	4.34	20	QM-07
o-Xylene	0.0708	0.00200	"	0.100	ND	70.8	70-130	4.45	20	
sec-Butylbenzene	0.0681	0.00200	"	0.100	ND	68.1	70-130	4.59	20	QM-07
Styrene	0.0750	0.00200	"	0.100	ND	75.0	70-130	8.14	20	
tert-Butylbenzene	0.0691	0.00200	"	0.100	ND	69.1	70-130	4.45	20	QM-07
Tetrachloroethene	0.0710	0.00200	"	0.100	ND	71.0	70-130	5.18	20	
Toluene	0.0709	0.00200	"	0.100	ND	70.9	70-130	5.70	20	
trans-1,2-Dichloroethene	0.0730	0.00200	"	0.100	ND	73.0	70-130	5.00	20	
trans-1,3-Dichloropropene	0.0805	0.00200	"	0.100	ND	80.5	70-130	6.35	20	
Trichloroethene	0.0720	0.00200	"	0.100	ND	72.0	70-130	5.91	20	
Trichlorofluoromethane	0.107	0.00300	"	0.100	ND	107	70-130	0.635	20	
Vinyl chloride	0.183	0.00200	"	0.100	ND	183	70-130	3.07	20	QM-07
Surrogate: 1,2-Dichloroethane-d4	0.13		"	0.125		105	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		99.0	70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125		100	70-130			

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B2B2213 - EPA 5030B (Water)

Blank (B2B2213-BLK1)

Prepared: 02/22/2022 Analyzed: 02/22/2022

1,1,1,2-Tetrachloroethane	ND	1.00	ug/L							Ua
1,1,1-Trichloroethane	ND	1.00	"							Ua
1,1,2,2-Tetrachloroethane	ND	1.00	"							Ua
1,1,2-Trichloroethane	ND	1.00	"							Ua
1,1-Dichloroethane	ND	1.00	"							Ua
1,1-Dichloroethene	ND	1.00	"							Ua
1,1-Dichloropropene	ND	1.00	"							Ua
1,2,3-Trichlorobenzene	ND	5.00	"							Ua
1,2,3-Trichloropropane	ND	5.00	"							Ua
1,2,4-Trichlorobenzene	ND	5.00	"							Ua
1,2,4-Trimethylbenzene	ND	1.00	"							Ua
1,2-Dibromo-3-chloropropane	ND	5.00	"							Ua
1,2-Dibromoethane (EDB)	ND	1.00	"							Ua
1,2-Dichlorobenzene	ND	1.00	"							Ua
1,2-Dichloroethane	ND	1.00	"							Ua
1,2-Dichloropropane	ND	1.00	"							Ua
1,3,5-Trimethylbenzene	ND	1.00	"							Ua
1,3-Dichlorobenzene	ND	1.00	"							Ua
1,3-Dichloropropane	ND	1.00	"							Ua
1,4-Dichlorobenzene	ND	1.00	"							Ua
2,2-Dichloropropane	ND	1.00	"							Ua
2-Butanone	ND	5.00	"							Ua
2-Chlorotoluene	ND	1.00	"							Ua
2-Hexanone	ND	5.00	"							Ua
4-Chlorotoluene	ND	1.00	"							Ua
4-Isopropyltoluene	ND	1.00	"							Ua

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B2B2213 - EPA 5030B (Water)

Blank (B2B2213-BLK1)

Prepared: 02/22/2022 Analyzed: 02/22/2022

4-Methyl-2-pentanone	ND	5.00	ug/L							Ua
Acetone	ND	8.00	"							Ua
Benzene	ND	1.00	"							Ua
Bromobenzene	ND	1.00	"							Ua
Bromochloromethane	ND	1.00	"							Ua
Bromodichloromethane	ND	1.00	"							Ua
Bromoform	ND	1.00	"							Ua
Bromomethane	ND	1.00	"							Ua
Carbon disulfide	ND	5.00	"							Ua
Carbon tetrachloride	ND	1.00	"							Ua
Chlorobenzene	ND	1.00	"							Ua
Chloroethane	ND	1.00	"							Ua
Chloroform	ND	1.00	"							Ua
Chloromethane	ND	1.00	"							Ua
cis-1,2-Dichloroethene	ND	1.00	"							Ua
cis-1,3-Dichloropropene	ND	1.00	"							Ua
Dibromochloromethane	ND	1.00	"							Ua
Dibromomethane	ND	1.00	"							Ua
Ethylbenzene	ND	1.00	"							Ua
Hexachlorobutadiene	ND	5.00	"							Ua
Iodomethane	ND	10.0	"							Ua
Isopropylbenzene	ND	1.00	"							Ua
m,p-Xylene	ND	2.00	"							Ua
Methylene Chloride	ND	15.0	"							Ua
Methyl tert-Butyl Ether	ND	1.00	"							Ua
Naphthalene	ND	4.00	"							Ua

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Volatile Organic Compounds by GC/MS SW846 8260D - Quality Control

Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B2B2213 - EPA 5030B (Water)

Blank (B2B2213-BLK1)

Prepared: 02/22/2022 Analyzed: 02/22/2022

n-Butylbenzene	ND	1.00	ug/L							Ua
n-Propylbenzene	ND	1.00	"							Ua
o-Xylene	ND	1.00	"							Ua
sec-Butylbenzene	ND	1.00	"							Ua
Styrene	ND	1.00	"							Ua
tert-Butylbenzene	ND	1.00	"							Ua
Tetrachloroethene	ND	1.00	"							Ua
Toluene	ND	1.00	"							Ua
trans-1,2-Dichloroethene	ND	1.00	"							Ua
trans-1,3-Dichloropropene	ND	1.00	"							Ua
Trichloroethene	ND	1.00	"							Ua
Trichlorofluoromethane	ND	1.00	"							Ua
Vinyl chloride	ND	1.00	"							Ua
Surrogate: 1,2-Dichloroethane-d4	65		"	62.5		104	70-130			
Surrogate: Toluene-d8	61		"	62.5		98.0	70-130			
Surrogate: 4-Bromofluorobenzene	62		"	62.5		100	70-130			

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Volatile Organic Compounds by GC/MS SW846 8260D - Quality Control

Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B2B2213 - EPA 5030B (Water)

LCS (B2B2213-BS1)

Prepared: 02/22/2022 Analyzed: 02/22/2022

1,1,1,2-Tetrachloroethane	46.7	1.00	ug/L	50.0		93.4	71.6-117			
1,1,1-Trichloroethane	48.2	1.00	"	50.0		96.4	77.3-123			
1,1,2,2-Tetrachloroethane	50.8	1.00	"	50.0		102	59.6-135			
1,1,2-Trichloroethane	46.8	1.00	"	50.0		93.7	83-113			
1,1-Dichloroethane	45.4	1.00	"	50.0		90.8	78.5-122			
1,1-Dichloroethene	47.8	1.00	"	50.0		95.7	71.5-135			
1,1-Dichloropropene	45.7	1.00	"	50.0		91.4	68.3-143			
1,2,3-Trichlorobenzene	52.6	5.00	"	50.0		105	69.1-116			
1,2,3-Trichloropropane	47.2	5.00	"	50.0		94.3	62.6-128			
1,2,4-Trichlorobenzene	52.7	5.00	"	50.0		105	58.7-129			
1,2,4-Trimethylbenzene	46.0	1.00	"	50.0		92.1	72-123			
1,2-Dibromo-3-chloropropane	46.1	5.00	"	50.0		92.2	66.6-119			
1,2-Dibromoethane (EDB)	47.6	1.00	"	50.0		95.1	83.1-113			
1,2-Dichlorobenzene	46.5	1.00	"	50.0		93.0	75.6-115			
1,2-Dichloroethane	46.8	1.00	"	50.0		93.7	78-120			
1,2-Dichloropropane	45.8	1.00	"	50.0		91.6	72.4-141			
1,3,5-Trimethylbenzene	45.9	1.00	"	50.0		91.7	69.5-121			
1,3-Dichlorobenzene	40.0	1.00	"	50.0		80.0	75.7-115			
1,3-Dichloropropane	46.4	1.00	"	50.0		92.9	81.6-115			
1,4-Dichlorobenzene	46.2	1.00	"	50.0		92.5	72.6-114			
2,2-Dichloropropane	49.5	1.00	"	50.0		98.9	67.7-147			
2-Butanone	249	5.00	"	250		99.6	72.3-134			
2-Chlorotoluene	45.0	1.00	"	50.0		90.1	76.3-116			
2-Hexanone	265	5.00	"	250		106	59.8-138			
4-Chlorotoluene	45.3	1.00	"	50.0		90.6	76.4-116			
4-Isopropyltoluene	38.2	1.00	"	50.0		76.4	79-124			QM-11

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Project Number: 05-071-09918

Project: Enterprise State 16-1

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 B2B2213 - EPA 5030B (Water)

LCS (B2B2213-BS1)

Prepared: 02/22/2022 Analyzed: 02/22/2022

4-Methyl-2-pentanone	262	5.00	ug/L	250		105	60.7-136			
Acetone	255	8.00	"	250		102	72.8-121			
Benzene	45.4	1.00	"	50.0		90.8	72.6-130			
Bromobenzene	45.6	1.00	"	50.0		91.3	67.5-120			
Bromochloromethane	46.6	1.00	"	50.0		93.2	69.8-133			
Bromodichloromethane	42.0	1.00	"	50.0		84.1	78.1-133			
Bromoform	52.8	1.00	"	50.0		106	67.6-107			
Bromomethane	68.6	1.00	"	50.0		137	67.6-144			
Carbon disulfide	47.9	5.00	"	50.0		95.7	69.6-115			
Carbon tetrachloride	48.8	1.00	"	50.0		97.5	79.8-119			
Chlorobenzene	45.6	1.00	"	50.0		91.2	79.6-110			
Chloroethane	60.7	1.00	"	50.0		121	68.5-152			
Chloroform	45.3	1.00	"	50.0		90.6	78-123			
Chloromethane	131	1.00	"	50.0		261	52.5-139			QM-11
cis-1,2-Dichloroethene	45.6	1.00	"	50.0		91.3	71.8-140			
cis-1,3-Dichloropropene	42.4	1.00	"	50.0		84.7	81.7-121			
Dibromochloromethane	50.5	1.00	"	50.0		101	69.1-119			
Dibromomethane	47.3	1.00	"	50.0		94.6	66.2-142			
Ethylbenzene	44.9	1.00	"	50.0		89.8	71.5-117			
Hexachlorobutadiene	46.8	5.00	"	50.0		93.6	72-120			
Iodomethane	45.6	10.0	"	50.0		91.1	68.2-114			
Isopropylbenzene	45.4	1.00	"	50.0		90.8	77.3-121			
m,p-Xylene	88.4	2.00	"	100		88.4	72.4-119			
Methylene Chloride	18.0	15.0	"	50.0		36.0	68.2-147			O-01
Methyl tert-Butyl Ether	48.2	1.00	"	50.0		96.5	74-135			
Naphthalene	51.4	4.00	"	50.0		103	69.2-115			

Origins Laboratory, Inc.



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Blue Star Helium

5 Tamarade Dr.

Littleton CO 80127

Kristen Stocks

Project Number: 05-071-09918

Project: Enterprise State 16-1

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 B2B2213 - EPA 5030B (Water)

LCS (B2B2213-BS1)

Prepared: 02/22/2022 Analyzed: 02/22/2022

n-Butylbenzene	47.0	1.00	ug/L	50.0		94.0	79.5-128			
n-Propylbenzene	45.3	1.00	"	50.0		90.7	77.8-120			
o-Xylene	45.1	1.00	"	50.0		90.3	67.1-121			
sec-Butylbenzene	37.5	1.00	"	50.0		74.9	77.6-121			QM-11
Styrene	48.7	1.00	"	50.0		97.5	65.6-126			
tert-Butylbenzene	45.3	1.00	"	50.0		90.6	77.7-120			
Tetrachloroethene	45.4	1.00	"	50.0		90.9	73-116			
Toluene	45.0	1.00	"	50.0		89.9	75.4-110			
trans-1,2-Dichloroethene	45.4	1.00	"	50.0		90.8	71.2-137			
trans-1,3-Dichloropropene	50.2	1.00	"	50.0		100	73.7-122			
Trichloroethene	45.5	1.00	"	50.0		91.1	65.3-144			
Trichlorofluoromethane	66.3	1.00	"	50.0		133	62.3-145			
Vinyl chloride	90.0	1.00	"	50.0		180	56-142			QM-11
Surrogate: 1,2-Dichloroethane-d4	65		"	62.5		104	70-130			
Surrogate: Toluene-d8	62		"	62.5		99.7	70-130			
Surrogate: 4-Bromofluorobenzene	62		"	62.5		99.8	70-130			

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Littleton CO 80127

Kristen Stocks

Project Number: 05-071-09918

Project: Enterprise State 16-1

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 B2B2213 - EPA 5030B (Water)

Matrix Spike (B2B2213-MS1)		Source: Y202461-02			Prepared: 02/22/2022 Analyzed: 02/22/2022					
1,1,1,2-Tetrachloroethane	43.3	1.00	ug/L	50.0	ND	86.6	70-130			
1,1,1-Trichloroethane	44.9	1.00	"	50.0	ND	89.7	70-130			
1,1,2,2-Tetrachloroethane	50.0	1.00	"	50.0	ND	100	70-130			
1,1,2-Trichloroethane	44.6	1.00	"	50.0	0.770	87.7	70-130			
1,1-Dichloroethane	42.6	1.00	"	50.0	ND	85.2	70-130			
1,1-Dichloroethene	44.8	1.00	"	50.0	ND	89.6	70-130			
1,1-Dichloropropene	43.0	1.00	"	50.0	ND	86.0	70-130			
1,2,3-Trichlorobenzene	58.4	5.00	"	50.0	ND	117	70-130			
1,2,3-Trichloropropane	46.1	5.00	"	50.0	ND	92.2	70-130			
1,2,4-Trichlorobenzene	54.3	5.00	"	50.0	ND	109	70-130			
1,2,4-Trimethylbenzene	44.2	1.00	"	50.0	0.720	87.0	70-130			
1,2-Dibromo-3-chloropropane	51.0	5.00	"	50.0	ND	102	70-130			
1,2-Dibromoethane (EDB)	45.8	1.00	"	50.0	ND	91.7	70-130			
1,2-Dichlorobenzene	44.5	1.00	"	50.0	ND	89.1	70-130			
1,2-Dichloroethane	44.1	1.00	"	50.0	ND	88.3	70-130			
1,2-Dichloropropane	42.9	1.00	"	50.0	ND	85.7	70-130			
1,3,5-Trimethylbenzene	42.7	1.00	"	50.0	0.190	85.0	70-130			
1,3-Dichlorobenzene	43.8	1.00	"	50.0	ND	87.7	70-130			
1,3-Dichloropropane	44.4	1.00	"	50.0	ND	88.9	70-130			
1,4-Dichlorobenzene	43.8	1.00	"	50.0	ND	87.6	70-130			
2,2-Dichloropropane	46.3	1.00	"	50.0	ND	92.7	70-130			
2-Butanone	249	5.00	"	250	3.02	98.2	70-130			
2-Chlorotoluene	42.1	1.00	"	50.0	ND	84.2	70-130			
2-Hexanone	259	5.00	"	250	2.55	103	70-130			
4-Chlorotoluene	42.7	1.00	"	50.0	0.220	84.9	70-130			
4-Isopropyltoluene	44.0	1.00	"	50.0	0.160	87.6	70-130			

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Littleton CO 80127

Kristen Stocks

Project Number: 05-071-09918

Project: Enterprise State 16-1

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 B2B2213 - EPA 5030B (Water)

Matrix Spike (B2B2213-MS1)		Source: Y202461-02			Prepared: 02/22/2022 Analyzed: 02/22/2022					
4-Methyl-2-pentanone	252	5.00	ug/L	250	0.590	101	70-130			
Acetone	553	8.00	"	250	304	99.6	70-130			
Benzene	42.9	1.00	"	50.0	0.180	85.4	70-130			
Bromobenzene	42.7	1.00	"	50.0	ND	85.5	70-130			
Bromochloromethane	43.4	1.00	"	50.0	ND	86.7	70-130			
Bromodichloromethane	44.8	1.00	"	50.0	ND	89.6	70-130			
Bromoform	50.1	1.00	"	50.0	ND	100	70-130			
Bromomethane	59.5	1.00	"	50.0	ND	119	70-130			
Carbon disulfide	45.1	5.00	"	50.0	ND	90.2	70-130			
Carbon tetrachloride	45.4	1.00	"	50.0	ND	90.9	70-130			
Chlorobenzene	43.0	1.00	"	50.0	ND	86.0	70-130			
Chloroethane	59.8	1.00	"	50.0	ND	120	70-130			
Chloroform	41.9	1.00	"	50.0	ND	83.9	70-130			
Chloromethane	124	1.00	"	50.0	ND	248	70-130			QM-07
cis-1,2-Dichloroethene	42.7	1.00	"	50.0	ND	85.4	70-130			
cis-1,3-Dichloropropene	44.8	1.00	"	50.0	ND	89.5	70-130			
Dibromochloromethane	47.6	1.00	"	50.0	ND	95.3	70-130			
Dibromomethane	44.7	1.00	"	50.0	ND	89.3	70-130			
Ethylbenzene	42.4	1.00	"	50.0	0.320	84.1	70-130			
Hexachlorobutadiene	46.0	5.00	"	50.0	ND	92.1	70-130			
Iodomethane	42.5	10.0	"	50.0	ND	84.9	70-130			
Isopropylbenzene	42.5	1.00	"	50.0	0.120	84.8	70-130			
m,p-Xylene	83.7	2.00	"	100	1.35	82.3	70-130			
Methylene Chloride	17.7	15.0	"	50.0	4.83	25.8	70-130			O-01, QM-07
Methyl tert-Butyl Ether	45.4	1.00	"	50.0	ND	90.9	70-130			
Naphthalene	62.5	4.00	"	50.0	0.800	123	70-130			

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Blue Star Helium

5 Tamarade Dr.

Littleton CO 80127

Kristen Stocks

Project Number: 05-071-09918

Project: Enterprise State 16-1

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 B2B2213 - EPA 5030B (Water)

Matrix Spike (B2B2213-MS1)		Source: Y202461-02			Prepared: 02/22/2022 Analyzed: 02/22/2022					
n-Butylbenzene	44.8	1.00	ug/L	50.0	ND	89.6	70-130			
n-Propylbenzene	42.6	1.00	"	50.0	0.200	84.9	70-130			
o-Xylene	42.9	1.00	"	50.0	0.760	84.2	70-130			
sec-Butylbenzene	43.0	1.00	"	50.0	0.610	84.7	70-130			
Styrene	44.2	1.00	"	50.0	0.110	88.2	70-130			
tert-Butylbenzene	42.5	1.00	"	50.0	ND	85.0	70-130			
Tetrachloroethene	43.3	1.00	"	50.0	ND	86.6	70-130			
Toluene	44.5	1.00	"	50.0	1.91	85.2	70-130			
trans-1,2-Dichloroethene	43.1	1.00	"	50.0	ND	86.1	70-130			
trans-1,3-Dichloropropene	47.3	1.00	"	50.0	ND	94.6	70-130			
Trichloroethene	42.6	1.00	"	50.0	ND	85.2	70-130			
Trichlorofluoromethane	70.0	1.00	"	50.0	ND	140	70-130			QM-07
Vinyl chloride	89.0	1.00	"	50.0	ND	178	70-130			QM-07
Surrogate: 1,2-Dichloroethane-d4	63		"	62.5		101	70-130			
Surrogate: Toluene-d8	63		"	62.5		100	70-130			
Surrogate: 4-Bromofluorobenzene	62		"	62.5		98.4	70-130			

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B2B2213 - EPA 5030B (Water)

Matrix Spike Dup (B2B2213-MSD1)		Source: Y202461-02			Prepared: 02/22/2022 Analyzed: 02/22/2022					
1,1,1,2-Tetrachloroethane	44.2	1.00	ug/L	50.0	ND	88.3	70-130	2.01	20	
1,1,1-Trichloroethane	45.4	1.00	"	50.0	ND	90.8	70-130	1.22	20	
1,1,2,2-Tetrachloroethane	51.7	1.00	"	50.0	ND	103	70-130	3.32	20	
1,1,2-Trichloroethane	45.6	1.00	"	50.0	0.770	89.7	70-130	2.22	20	
1,1-Dichloroethane	43.0	1.00	"	50.0	ND	86.0	70-130	0.935	20	
1,1-Dichloroethene	45.3	1.00	"	50.0	ND	90.7	70-130	1.20	20	
1,1-Dichloropropene	43.5	1.00	"	50.0	ND	86.9	70-130	1.04	20	
1,2,3-Trichlorobenzene	58.3	5.00	"	50.0	ND	117	70-130	0.223	20	
1,2,3-Trichloropropane	47.4	5.00	"	50.0	ND	94.7	70-130	2.72	20	
1,2,4-Trichlorobenzene	55.1	5.00	"	50.0	ND	110	70-130	1.46	20	
1,2,4-Trimethylbenzene	45.1	1.00	"	50.0	0.720	88.8	70-130	2.04	20	
1,2-Dibromo-3-chloropropane	52.3	5.00	"	50.0	ND	105	70-130	2.36	20	
1,2-Dibromoethane (EDB)	46.7	1.00	"	50.0	ND	93.4	70-130	1.79	20	
1,2-Dichlorobenzene	45.4	1.00	"	50.0	ND	90.7	70-130	1.80	20	
1,2-Dichloroethane	44.6	1.00	"	50.0	ND	89.2	70-130	1.06	20	
1,2-Dichloropropane	43.5	1.00	"	50.0	ND	87.1	70-130	1.53	20	
1,3,5-Trimethylbenzene	43.9	1.00	"	50.0	0.190	87.4	70-130	2.77	20	
1,3-Dichlorobenzene	44.3	1.00	"	50.0	ND	88.6	70-130	1.11	20	
1,3-Dichloropropane	45.3	1.00	"	50.0	ND	90.6	70-130	1.92	20	
1,4-Dichlorobenzene	44.8	1.00	"	50.0	ND	89.6	70-130	2.23	20	
2,2-Dichloropropane	46.4	1.00	"	50.0	ND	92.7	70-130	0.0216	20	
2-Butanone	253	5.00	"	250	3.02	99.9	70-130	1.72	20	
2-Chlorotoluene	43.2	1.00	"	50.0	ND	86.4	70-130	2.65	20	
2-Hexanone	266	5.00	"	250	2.55	105	70-130	2.66	20	
4-Chlorotoluene	43.5	1.00	"	50.0	0.220	86.5	70-130	1.90	20	
4-Isopropyltoluene	44.8	1.00	"	50.0	0.160	89.2	70-130	1.74	20	

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5 Tamarade Dr.

Littleton CO 80127

Kristen Stocks

Project Number: 05-071-09918

Project: Enterprise State 16-1

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 B2B2213 - EPA 5030B (Water)										
Matrix Spike Dup (B2B2213-MSD1)	Source: Y202461-02				Prepared: 02/22/2022 Analyzed: 02/22/2022					
4-Methyl-2-pentanone	256	5.00	ug/L	250	0.590	102	70-130	1.72	20	
Acetone	482	8.00	"	250	304	71.3	70-130	13.7	20	
Benzene	43.2	1.00	"	50.0	0.180	86.1	70-130	0.836	20	
Bromobenzene	44.0	1.00	"	50.0	ND	88.0	70-130	2.88	20	
Bromochloromethane	44.2	1.00	"	50.0	ND	88.4	70-130	1.87	20	
Bromodichloromethane	45.3	1.00	"	50.0	ND	90.5	70-130	1.04	20	
Bromoform	50.8	1.00	"	50.0	ND	102	70-130	1.51	20	
Bromomethane	59.3	1.00	"	50.0	ND	119	70-130	0.320	20	
Carbon disulfide	45.5	5.00	"	50.0	ND	91.0	70-130	0.883	20	
Carbon tetrachloride	45.9	1.00	"	50.0	ND	91.9	70-130	1.09	20	
Chlorobenzene	43.6	1.00	"	50.0	ND	87.1	70-130	1.29	20	
Chloroethane	60.0	1.00	"	50.0	ND	120	70-130	0.234	20	
Chloroform	42.4	1.00	"	50.0	ND	84.9	70-130	1.21	20	
Chloromethane	124	1.00	"	50.0	ND	248	70-130	0.355	20	QM-07
cis-1,2-Dichloroethene	43.4	1.00	"	50.0	ND	86.8	70-130	1.63	20	
cis-1,3-Dichloropropene	45.3	1.00	"	50.0	ND	90.7	70-130	1.29	20	
Dibromochloromethane	48.4	1.00	"	50.0	ND	96.8	70-130	1.56	20	
Dibromomethane	45.9	1.00	"	50.0	ND	91.8	70-130	2.74	20	
Ethylbenzene	43.3	1.00	"	50.0	0.320	86.0	70-130	2.22	20	
Hexachlorobutadiene	46.2	5.00	"	50.0	ND	92.4	70-130	0.325	20	
Iodomethane	42.7	10.0	"	50.0	ND	85.4	70-130	0.540	20	
Isopropylbenzene	43.4	1.00	"	50.0	0.120	86.6	70-130	2.16	20	
m,p-Xylene	85.9	2.00	"	100	1.35	84.6	70-130	2.61	20	
Methylene Chloride	18.8	15.0	"	50.0	4.83	27.9	70-130	5.70	20	O-01, QM-07
Methyl tert-Butyl Ether	46.3	1.00	"	50.0	ND	92.6	70-130	1.87	20	
Naphthalene	62.8	4.00	"	50.0	0.800	124	70-130	0.431	20	

Origins Laboratory, Inc.



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Project Number: 05-071-09918

Project: Enterprise State 16-1

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 B2B2213 - EPA 5030B (Water)

Matrix Spike Dup (B2B2213-MSD1)		Source: Y202461-02			Prepared: 02/22/2022 Analyzed: 02/22/2022					
n-Butylbenzene	45.7	1.00	ug/L	50.0	ND	91.5	70-130	2.01	20	
n-Propylbenzene	43.8	1.00	"	50.0	0.200	87.2	70-130	2.68	20	
o-Xylene	43.9	1.00	"	50.0	0.760	86.2	70-130	2.31	20	
sec-Butylbenzene	43.6	1.00	"	50.0	0.610	86.1	70-130	1.55	20	
Styrene	46.0	1.00	"	50.0	0.110	91.8	70-130	3.90	20	
tert-Butylbenzene	43.5	1.00	"	50.0	ND	87.0	70-130	2.37	20	
Tetrachloroethene	43.6	1.00	"	50.0	ND	87.3	70-130	0.736	20	
Toluene	45.1	1.00	"	50.0	1.91	86.4	70-130	1.27	20	
trans-1,2-Dichloroethene	43.6	1.00	"	50.0	ND	87.1	70-130	1.13	20	
trans-1,3-Dichloropropene	48.3	1.00	"	50.0	ND	96.6	70-130	2.09	20	
Trichloroethene	43.3	1.00	"	50.0	ND	86.6	70-130	1.72	20	
Trichlorofluoromethane	69.6	1.00	"	50.0	ND	139	70-130	0.630	20	QM-07
Vinyl chloride	88.8	1.00	"	50.0	ND	178	70-130	0.236	20	QM-07
Surrogate: 1,2-Dichloroethane-d4	65		"	62.5		104	70-130			
Surrogate: Toluene-d8	63		"	62.5		100	70-130			
Surrogate: 4-Bromofluorobenzene	62		"	62.5		99.7	70-130			

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Project Number: 05-071-09918

Project: Enterprise State 16-1

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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Total Metals by 6010D - Quality Control
GEL Laboratories, LLC

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 2232974 - SW846 3050B

BLANK (1205026127-BLK)

Prepared: 02/22/2022 Analyzed: 02/22/2022

Barium	ND	0.458	mg/kg				-			U
Cadmium	ND	0.458	"				-			U
Chromium	ND	0.916	"				-			U
Lead	ND	1.83	"				-			U
Arsenic	ND	2.75	"				-			U
Selenium	ND	2.75	"				-			U
Silver	ND	0.458	"				-			U

LCS (1205026128-BKS)

Prepared: 02/22/2022 Analyzed: 02/22/2022

Selenium	43.3	2.78	mg/kg	46.3	93.4	80-120
Silver	10.2	0.463	"	9.26	110	80-120
Lead	44.8	1.85	"	46.3	96.9	80-120
Chromium	44.0	0.926	"	46.3	95	80-120
Cadmium	43.8	0.463	"	46.3	94.6	80-120
Arsenic	45.5	2.78	"	46.3	98.3	80-120
Barium	44.6	0.463	"	46.3	96.3	80-120

DUP (1205026129 D)

Source: Y202461-01

Prepared: 02/22/2022 Analyzed: 02/22/2022

Selenium	ND	2.87	mg/kg dry	0.531	0-20	NR	20	U
Arsenic	7.33	2.87	"	7.30	0-20	0.424	20	
Silver	ND	0.479	"	0.151	0-20	NR	20	U
Lead	13.7	1.92	"	12.9	0-20	5.73	20	

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Blue Star Helium

5 Tamarade Dr.

Littleton CO 80127

Kristen Stocks

Project Number: 05-071-09918

Project: Enterprise State 16-1

Total Metals by 6010D - Quality Control

GEL Laboratories, LLC

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 2232974 - SW846 3050B

DUP (1205026129 D)

Source: Y202461-01

Prepared: 02/22/2022 Analyzed: 02/22/2022

Chromium	3.44	0.958	mg/kg dry		3.42		0-20	0.361	20	
Cadmium	0.287	0.479	"		0.210		0-20	30.8	20	J
Barium	59.0	0.479	"		58.7		0-20	0.506	20	

MS (1205026130 S)

Source: Y202461-01

Prepared: 02/22/2022 Analyzed: 02/22/2022

Barium	99.6	0.489	mg/kg dry	48.9	58.7	83.6	75-125			
Cadmium	42.2	0.489	"	48.9	0.210	86	75-125			
Chromium	45.3	0.978	"	48.9	3.42	85.7	75-125			
Lead	53.3	1.96	"	48.9	12.9	82.5	75-125			
Selenium	43.7	2.93	"	48.9	0.531	88.4	75-125			
Silver	9.78	0.489	"	9.78	0.151	98.5	75-125			
Arsenic	51.4	2.93	"	48.9	7.30	90.1	75-125			

Origins Laboratory, Inc.



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Project Number: 05-071-09918

Project: Enterprise State 16-1

Total Metals by 7471B - Quality Control

GEL Laboratories, LLC

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 2233225 - SW846 7471B Prep										
BLANK (1205026650-BLK)					Prepared: 02/23/2022 Analyzed: 02/24/2022					
Mercury	ND	0.0218	mg/kg				-			U
LCS (1205026651-BKS)					Prepared: 02/23/2022 Analyzed: 02/24/2022					
Mercury	0.229	0.0219	mg/kg	0.219		105	80-120			
DUP (1205026652 D)					Prepared: 02/23/2022 Analyzed: 02/24/2022					
Mercury	0.541	0.615	mg/kg dry		24.1		0-20	191	20	J
MS (1205026653 S)					Prepared: 02/23/2022 Analyzed: 02/24/2022					
Mercury	0.994	0.629	mg/kg dry	0.315	24.1	0	80-120			

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Project Number: 05-071-09918

Project: Enterprise State 16-1

Total Metals by EPA 200.8 - Quality Control

GEL Laboratories, LLC

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 2232976 - EPA 200.2

BLANK (1205026132-BLK)

Prepared: 02/22/2022 Analyzed: 02/23/2022

Arsenic	ND	5.00	ug/L				-			U
Selenium	ND	5.00	"				-			U
Cadmium	ND	1.00	"				-			U
Lead	ND	2.00	"				-			U
Silver	ND	1.00	"				-			U
Chromium	ND	10.0	"				-			U
Barium	ND	4.00	"				-			U

LCS (1205026133-BKS)

Prepared: 02/22/2022 Analyzed: 02/23/2022

Arsenic	50.1	5.00	ug/L	50.0	100	85-115				
Barium	52.1	4.00	"	50.0	104	85-115				
Cadmium	50.3	1.00	"	50.0	101	85-115				
Chromium	48.7	10.0	"	50.0	97.4	85-115				
Lead	50.8	2.00	"	50.0	102	85-115				
Selenium	50.4	5.00	"	50.0	101	85-115				
Silver	49.9	1.00	"	50.0	99.7	85-115				

DUP (1205026134 D)

Source: Y202461-02

Prepared: 02/22/2022 Analyzed: 02/23/2022

Chromium	18.1	10.0	ug/L	18.4	0-20	1.56	20			
Silver	ND	1.00	"	<0.300	0-20	2.3	20			U
Lead	23.5	2.00	"	23.8	0-20	1.24	20			
Barium	2280	200	"	2190	0-20	3.9	20			
Arsenic	7.27	5.00	"	7.20	0-20	0.939	20			
Selenium	6.06	5.00	"	7.19	0-20	17.2	20			
Cadmium	ND	1.00	"	<0.300	0-20	20.2	20			U

MS (1205026135 S)

Source: Y202461-02

Prepared: 02/22/2022 Analyzed: 02/23/2022

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Project Number: 05-071-09918

Project: Enterprise State 16-1

Total Metals by EPA 200.8 - Quality Control

GEL Laboratories, LLC

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 2232976 - EPA 200.2

MS (1205026135 S)

Source: Y202461-02

Prepared: 02/22/2022 Analyzed: 02/23/2022

Lead	67.0	2.00	ug/L	50.0	23.8	86.4	75-125			
Selenium	57.6	5.00	"	50.0	7.19	101	75-125			
Chromium	64.5	10.0	"	50.0	18.4	92.1	75-125			
Cadmium	42.3	1.00	"	50.0	<0.300	84.3	75-125			
Barium	2340	200	"	50.0	2190	0	75-125			
Arsenic	58.3	5.00	"	50.0	7.20	102	75-125			
Silver	39.4	1.00	"	50.0	<0.300	78.4	75-125			

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Jen Pellegrini For Noelle Doyle Mathis, President

Blue Star Helium

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Littleton CO 80127

Kristen Stocks

Project Number: 05-071-09918

Project: Enterprise State 16-1

Total Metals by EPA 245.1 - Quality Control

GEL Laboratories, LLC

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 2233231 - EPA 245.1/245.2 Prep										
BLANK (1205026669-BLK)					Prepared: 02/23/2022 Analyzed: 02/24/2022					
Mercury	ND	0.200	ug/L				-			U
LCS (1205026670-BKS)					Prepared: 02/23/2022 Analyzed: 02/24/2022					
Mercury	2.02	0.200	ug/L	2.00		101	85-115			
DUP (1205026671 D)					Prepared: 02/23/2022 Analyzed: 02/24/2022					
Mercury	ND	20.0	ug/L		<6.70		0-20	0	20	U
MS (1205026672 S)					Prepared: 02/23/2022 Analyzed: 02/24/2022					
Mercury	10.9	20.0	ug/L	200	<6.70	5.45	75-125			
PS (1205026674 S)					Prepared: 02/23/2022 Analyzed: 02/24/2022					
Mercury	0.121	0.200	ug/L	2.00		6.05	80-120			

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Kristen Stocks

Project Number: 05-071-09918

Project: Enterprise State 16-1

Notes and Definitions

Ua Sample is Non-Detect.

U Result not detected above the detection limit

QM-11 Spike recovery was outside acceptance limits for LCS, however samples are non-detect for this compound.

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

O-01 This compound is a common laboratory contaminant.

J Greater than the detection limit but less than the reporting limit

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

All soil results are reported at a wet weight basis.

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