



BSK Associates Sacramento
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SEI0390

10/01/2021

Invoice: SE03629

Anthony Ouellette
H2O Urban Solutions, Inc.
PO Box 551310
South Lake Tahoe, CA 96155

RE: Report for SEI0390 Grizzly Flats CSD Caldor Fire-2021

Dear Anthony Ouellette,

Thank you for using BSK Associates for your analytical testing needs. In the following pages, you will find the test results for the samples submitted to our laboratory on 9/23/2021. The results have been approved for release by our Laboratory Director as indicated by the authorizing signature below.

The samples were analyzed for the test(s) indicated on the Chain of Custody (see attached) and the results relate only to the samples analyzed. BSK certifies that the testing was performed in accordance with the quality system requirements specified in the 2016 TNI Standard. Any deviations from this standard or from the method requirements for each test procedure performed will be annotated alongside the analytical result or noted in the Case Narrative. Unless otherwise noted, the sample results are reported on an "as received" basis.

This certificate of analysis shall not be reproduced except in full, without written approval of the laboratory.

If additional clarification of any information is required, please contact your Project Manager, Jaime Lee LaFave, at (916) 853-9293.

Thank you again for using BSK Associates. We value your business and appreciate your loyalty.

Sincerely,

Jaime Lee LaFave, Project Manager

Case Narrative

Project and Report Details	Invoice Details
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Client: H2O Urban Solutions, Inc.
Report To: Anthony Ouellette
Project #: VOCs-Sept. 2021
Received: 9/23/2021 - 13:39
Report Due: 10/07/2021

Invoice To: H2O Urban Solutions, Inc.
Invoice Attn: Jodi Lauther
Project PO#: -

Sample Receipt Conditions

Cooler: Default Cooler	Containers Intact
Temperature on Receipt °C: 17.9	COC/Labels Agree
	Received On Blue Ice
	Sample(s) arrived at lab on same day sampled.
	Sample(s) were received in temperature range.
	Initial receipt at BSK-SAC

Data Qualifiers

The following qualifiers have been applied to one or more analytical results:

None applied

Report Distribution

Recipient(s)	Report Format	CC:
Anthony Ouellette	FINAL.RPT	

Certificate of Analysis

Sample ID: SEI0390-01
 Sampled By: Anthony Ouellette
 Sample Description: Treatment Plant-Raw

Sample Date - Time: 09/23/2021 - 11:03
 Matrix: Surface Water
 Sample Type: Grab

BSK Associates Laboratory Fresno
 Organics

Analyte	Method	Result	RL	Units	RL Mult	Batch	Prepared	Analyzed	Qual
Volatile Organics (SDWA Regulated) by GC-MS									
1,1,1-Trichloroethane	EPA 524.2	ND	0.50	ug/L	1	AEI1512	09/27/21	09/27/21	
1,1,2,2-Tetrachloroethane	EPA 524.2	ND	0.50	ug/L	1	AEI1512	09/27/21	09/27/21	
1,1,2-Trichloro-1,2,2-trifluoroethane	EPA 524.2	ND	10	ug/L	1	AEI1512	09/27/21	09/27/21	
1,1,2-Trichloroethane	EPA 524.2	ND	0.50	ug/L	1	AEI1512	09/27/21	09/27/21	
1,1-Dichloroethane	EPA 524.2	ND	0.50	ug/L	1	AEI1512	09/27/21	09/27/21	
1,1-Dichloroethene	EPA 524.2	ND	0.50	ug/L	1	AEI1512	09/27/21	09/27/21	
1,2,4-Trichlorobenzene	EPA 524.2	ND	0.50	ug/L	1	AEI1512	09/27/21	09/27/21	
1,2-Dichlorobenzene	EPA 524.2	ND	0.50	ug/L	1	AEI1512	09/27/21	09/27/21	
1,2-Dichloroethane	EPA 524.2	ND	0.50	ug/L	1	AEI1512	09/27/21	09/27/21	
1,2-Dichloropropane	EPA 524.2	ND	0.50	ug/L	1	AEI1512	09/27/21	09/27/21	
1,4-Dichlorobenzene	EPA 524.2	ND	0.50	ug/L	1	AEI1512	09/27/21	09/27/21	
Benzene	EPA 524.2	ND	0.50	ug/L	1	AEI1512	09/27/21	09/27/21	
Carbon Tetrachloride	EPA 524.2	ND	0.50	ug/L	1	AEI1512	09/27/21	09/27/21	
Chlorobenzene	EPA 524.2	ND	0.50	ug/L	1	AEI1512	09/27/21	09/27/21	
cis-1,2-Dichloroethene	EPA 524.2	ND	0.50	ug/L	1	AEI1512	09/27/21	09/27/21	
cis-1,3-Dichloropropene	EPA 524.2	ND	0.50	ug/L	1	AEI1512	09/27/21	09/27/21	
Dichloromethane	EPA 524.2	ND	0.50	ug/L	1	AEI1512	09/27/21	09/27/21	
Ethylbenzene	EPA 524.2	ND	0.50	ug/L	1	AEI1512	09/27/21	09/27/21	
m,p-Xylenes	EPA 524.2	ND	0.50	ug/L	1	AEI1512	09/27/21	09/27/21	
Methyl-t-butyl ether	EPA 524.2	ND	0.50	ug/L	1	AEI1512	09/27/21	09/27/21	
o-Xylene	EPA 524.2	ND	0.50	ug/L	1	AEI1512	09/27/21	09/27/21	
Styrene	EPA 524.2	ND	0.50	ug/L	1	AEI1512	09/27/21	09/27/21	
Tetrachloroethene (PCE)	EPA 524.2	ND	0.50	ug/L	1	AEI1512	09/27/21	09/27/21	
Toluene	EPA 524.2	ND	0.50	ug/L	1	AEI1512	09/27/21	09/27/21	
trans-1,2-Dichloroethene	EPA 524.2	ND	0.50	ug/L	1	AEI1512	09/27/21	09/27/21	
trans-1,3-Dichloropropene	EPA 524.2	ND	0.50	ug/L	1	AEI1512	09/27/21	09/27/21	
Trichloroethene (TCE)	EPA 524.2	ND	0.50	ug/L	1	AEI1512	09/27/21	09/27/21	
Trichlorofluoromethane	EPA 524.2	ND	5.0	ug/L	1	AEI1512	09/27/21	09/27/21	
Vinyl Chloride	EPA 524.2	ND	0.50	ug/L	1	AEI1512	09/27/21	09/27/21	
Total 1,3-Dichloropropene	EPA 524.2	ND	0.50	ug/L	1	AEI1512	09/27/21	09/27/21	
Total Xylenes	EPA 524.2	ND	0.50	ug/L	1	AEI1512	09/27/21	09/27/21	
Surrogate: 1,2-Dichlorobenzene-d4	EPA 524.2	102 %							Acceptable range: 70-130 %
Surrogate: Bromofluorobenzene	EPA 524.2	102 %							Acceptable range: 70-130 %

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.

Certificate of Analysis

Sample ID: SEI0390-02
Sampled By: Anthony Ouellette
Sample Description: (N) 5971 Wild Berry Ct

Sample Date - Time: 09/23/2021 - 12:05
Matrix: Surface Water
Sample Type: Grab

BSK Associates Laboratory Fresno
Organics

Analyte	Method	Result	RL	Units	RL Mult	Batch	Prepared	Analyzed	Qual
Volatile Organics (SDWA Regulated) by GC-MS									
1,1,1-Trichloroethane	EPA 524.2	ND	0.50	ug/L	1	AEI1512	09/27/21	09/27/21	
1,1,2,2-Tetrachloroethane	EPA 524.2	ND	0.50	ug/L	1	AEI1512	09/27/21	09/27/21	
1,1,2-Trichloro-1,2,2-trifluoroethane	EPA 524.2	ND	10	ug/L	1	AEI1512	09/27/21	09/27/21	
1,1,2-Trichloroethane	EPA 524.2	ND	0.50	ug/L	1	AEI1512	09/27/21	09/27/21	
1,1-Dichloroethane	EPA 524.2	ND	0.50	ug/L	1	AEI1512	09/27/21	09/27/21	
1,1-Dichloroethene	EPA 524.2	ND	0.50	ug/L	1	AEI1512	09/27/21	09/27/21	
1,2,4-Trichlorobenzene	EPA 524.2	ND	0.50	ug/L	1	AEI1512	09/27/21	09/27/21	
1,2-Dichlorobenzene	EPA 524.2	ND	0.50	ug/L	1	AEI1512	09/27/21	09/27/21	
1,2-Dichloroethane	EPA 524.2	ND	0.50	ug/L	1	AEI1512	09/27/21	09/27/21	
1,2-Dichloropropane	EPA 524.2	ND	0.50	ug/L	1	AEI1512	09/27/21	09/27/21	
1,4-Dichlorobenzene	EPA 524.2	ND	0.50	ug/L	1	AEI1512	09/27/21	09/27/21	
Benzene	EPA 524.2	0.95	0.50	ug/L	1	AEI1512	09/27/21	09/27/21	
Carbon Tetrachloride	EPA 524.2	ND	0.50	ug/L	1	AEI1512	09/27/21	09/27/21	
Chlorobenzene	EPA 524.2	ND	0.50	ug/L	1	AEI1512	09/27/21	09/27/21	
cis-1,2-Dichloroethene	EPA 524.2	ND	0.50	ug/L	1	AEI1512	09/27/21	09/27/21	
cis-1,3-Dichloropropene	EPA 524.2	ND	0.50	ug/L	1	AEI1512	09/27/21	09/27/21	
Dichloromethane	EPA 524.2	ND	0.50	ug/L	1	AEI1512	09/27/21	09/27/21	
Ethylbenzene	EPA 524.2	ND	0.50	ug/L	1	AEI1512	09/27/21	09/27/21	
m,p-Xylenes	EPA 524.2	ND	0.50	ug/L	1	AEI1512	09/27/21	09/27/21	
Methyl-t-butyl ether	EPA 524.2	ND	0.50	ug/L	1	AEI1512	09/27/21	09/27/21	
o-Xylene	EPA 524.2	ND	0.50	ug/L	1	AEI1512	09/27/21	09/27/21	
Styrene	EPA 524.2	ND	0.50	ug/L	1	AEI1512	09/27/21	09/27/21	
Tetrachloroethene (PCE)	EPA 524.2	ND	0.50	ug/L	1	AEI1512	09/27/21	09/27/21	
Toluene	EPA 524.2	ND	0.50	ug/L	1	AEI1512	09/27/21	09/27/21	
trans-1,2-Dichloroethene	EPA 524.2	ND	0.50	ug/L	1	AEI1512	09/27/21	09/27/21	
trans-1,3-Dichloropropene	EPA 524.2	ND	0.50	ug/L	1	AEI1512	09/27/21	09/27/21	
Trichloroethene (TCE)	EPA 524.2	ND	0.50	ug/L	1	AEI1512	09/27/21	09/27/21	
Trichlorofluoromethane	EPA 524.2	ND	5.0	ug/L	1	AEI1512	09/27/21	09/27/21	
Vinyl Chloride	EPA 524.2	ND	0.50	ug/L	1	AEI1512	09/27/21	09/27/21	
Total 1,3-Dichloropropene	EPA 524.2	ND	0.50	ug/L	1	AEI1512	09/27/21	09/27/21	
Total Xylenes	EPA 524.2	ND	0.50	ug/L	1	AEI1512	09/27/21	09/27/21	
Surrogate: 1,2-Dichlorobenzene-d4	EPA 524.2	100 %							Acceptable range: 70-130 %
Surrogate: Bromofluorobenzene	EPA 524.2	100 %							Acceptable range: 70-130 %

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.

Certificate of Analysis

Sample ID: SEI0390-03
 Sampled By: Anthony Ouellette
 Sample Description: (M) 5779 Wild Rose

Sample Date - Time: 09/23/2021 - 12:15
 Matrix: Surface Water
 Sample Type: Grab

BSK Associates Laboratory Fresno
 Organics

Analyte	Method	Result	RL	Units	RL Mult	Batch	Prepared	Analyzed	Qual
Volatile Organics (SDWA Regulated) by GC-MS									
1,1,1-Trichloroethane	EPA 524.2	ND	0.50	ug/L	1	AEI1512	09/27/21	09/27/21	
1,1,2,2-Tetrachloroethane	EPA 524.2	ND	0.50	ug/L	1	AEI1512	09/27/21	09/27/21	
1,1,2-Trichloro-1,2,2-trifluoroethane	EPA 524.2	ND	10	ug/L	1	AEI1512	09/27/21	09/27/21	
1,1,2-Trichloroethane	EPA 524.2	ND	0.50	ug/L	1	AEI1512	09/27/21	09/27/21	
1,1-Dichloroethane	EPA 524.2	ND	0.50	ug/L	1	AEI1512	09/27/21	09/27/21	
1,1-Dichloroethene	EPA 524.2	ND	0.50	ug/L	1	AEI1512	09/27/21	09/27/21	
1,2,4-Trichlorobenzene	EPA 524.2	ND	0.50	ug/L	1	AEI1512	09/27/21	09/27/21	
1,2-Dichlorobenzene	EPA 524.2	ND	0.50	ug/L	1	AEI1512	09/27/21	09/27/21	
1,2-Dichloroethane	EPA 524.2	ND	0.50	ug/L	1	AEI1512	09/27/21	09/27/21	
1,2-Dichloropropane	EPA 524.2	ND	0.50	ug/L	1	AEI1512	09/27/21	09/27/21	
1,4-Dichlorobenzene	EPA 524.2	ND	0.50	ug/L	1	AEI1512	09/27/21	09/27/21	
Benzene	EPA 524.2	0.69	0.50	ug/L	1	AEI1512	09/27/21	09/27/21	
Carbon Tetrachloride	EPA 524.2	ND	0.50	ug/L	1	AEI1512	09/27/21	09/27/21	
Chlorobenzene	EPA 524.2	ND	0.50	ug/L	1	AEI1512	09/27/21	09/27/21	
cis-1,2-Dichloroethene	EPA 524.2	ND	0.50	ug/L	1	AEI1512	09/27/21	09/27/21	
cis-1,3-Dichloropropene	EPA 524.2	ND	0.50	ug/L	1	AEI1512	09/27/21	09/27/21	
Dichloromethane	EPA 524.2	ND	0.50	ug/L	1	AEI1512	09/27/21	09/27/21	
Ethylbenzene	EPA 524.2	ND	0.50	ug/L	1	AEI1512	09/27/21	09/27/21	
m,p-Xylenes	EPA 524.2	ND	0.50	ug/L	1	AEI1512	09/27/21	09/27/21	
Methyl-t-butyl ether	EPA 524.2	ND	0.50	ug/L	1	AEI1512	09/27/21	09/27/21	
o-Xylene	EPA 524.2	ND	0.50	ug/L	1	AEI1512	09/27/21	09/27/21	
Styrene	EPA 524.2	ND	0.50	ug/L	1	AEI1512	09/27/21	09/27/21	
Tetrachloroethene (PCE)	EPA 524.2	ND	0.50	ug/L	1	AEI1512	09/27/21	09/27/21	
Toluene	EPA 524.2	ND	0.50	ug/L	1	AEI1512	09/27/21	09/27/21	
trans-1,2-Dichloroethene	EPA 524.2	ND	0.50	ug/L	1	AEI1512	09/27/21	09/27/21	
trans-1,3-Dichloropropene	EPA 524.2	ND	0.50	ug/L	1	AEI1512	09/27/21	09/27/21	
Trichloroethene (TCE)	EPA 524.2	ND	0.50	ug/L	1	AEI1512	09/27/21	09/27/21	
Trichlorofluoromethane	EPA 524.2	ND	5.0	ug/L	1	AEI1512	09/27/21	09/27/21	
Vinyl Chloride	EPA 524.2	ND	0.50	ug/L	1	AEI1512	09/27/21	09/27/21	
Total 1,3-Dichloropropene	EPA 524.2	ND	0.50	ug/L	1	AEI1512	09/27/21	09/27/21	
Total Xylenes	EPA 524.2	ND	0.50	ug/L	1	AEI1512	09/27/21	09/27/21	
Surrogate: 1,2-Dichlorobenzene-d4	EPA 524.2	93 %							Acceptable range: 70-130 %
Surrogate: Bromofluorobenzene	EPA 524.2	96 %							Acceptable range: 70-130 %

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.



Certificate of Analysis

Sample ID: SEI0390-04
 Sampled By: Anthony Ouellette
 Sample Description: (L) 5168 Pineridge

Sample Date - Time: 09/23/2021 - 12:25
 Matrix: Surface Water
 Sample Type: Grab

BSK Associates Laboratory Fresno
 Organics

Analyte	Method	Result	RL	Units	RL Mult	Batch	Prepared	Analyzed	Qual
Volatile Organics (SDWA Regulated) by GC-MS									
1,1,1-Trichloroethane	EPA 524.2	ND	0.50	ug/L	1	AEI1512	09/27/21	09/27/21	
1,1,2,2-Tetrachloroethane	EPA 524.2	ND	0.50	ug/L	1	AEI1512	09/27/21	09/27/21	
1,1,2-Trichloro-1,2,2-trifluoroethane	EPA 524.2	ND	10	ug/L	1	AEI1512	09/27/21	09/27/21	
1,1,2-Trichloroethane	EPA 524.2	ND	0.50	ug/L	1	AEI1512	09/27/21	09/27/21	
1,1-Dichloroethane	EPA 524.2	ND	0.50	ug/L	1	AEI1512	09/27/21	09/27/21	
1,1-Dichloroethene	EPA 524.2	ND	0.50	ug/L	1	AEI1512	09/27/21	09/27/21	
1,2,4-Trichlorobenzene	EPA 524.2	ND	0.50	ug/L	1	AEI1512	09/27/21	09/27/21	
1,2-Dichlorobenzene	EPA 524.2	ND	0.50	ug/L	1	AEI1512	09/27/21	09/27/21	
1,2-Dichloroethane	EPA 524.2	ND	0.50	ug/L	1	AEI1512	09/27/21	09/27/21	
1,2-Dichloropropane	EPA 524.2	ND	0.50	ug/L	1	AEI1512	09/27/21	09/27/21	
1,4-Dichlorobenzene	EPA 524.2	ND	0.50	ug/L	1	AEI1512	09/27/21	09/27/21	
Benzene	EPA 524.2	0.52	0.50	ug/L	1	AEI1512	09/27/21	09/27/21	
Carbon Tetrachloride	EPA 524.2	ND	0.50	ug/L	1	AEI1512	09/27/21	09/27/21	
Chlorobenzene	EPA 524.2	ND	0.50	ug/L	1	AEI1512	09/27/21	09/27/21	
cis-1,2-Dichloroethene	EPA 524.2	ND	0.50	ug/L	1	AEI1512	09/27/21	09/27/21	
cis-1,3-Dichloropropene	EPA 524.2	ND	0.50	ug/L	1	AEI1512	09/27/21	09/27/21	
Dichloromethane	EPA 524.2	ND	0.50	ug/L	1	AEI1512	09/27/21	09/27/21	
Ethylbenzene	EPA 524.2	ND	0.50	ug/L	1	AEI1512	09/27/21	09/27/21	
m,p-Xylenes	EPA 524.2	ND	0.50	ug/L	1	AEI1512	09/27/21	09/27/21	
Methyl-t-butyl ether	EPA 524.2	ND	0.50	ug/L	1	AEI1512	09/27/21	09/27/21	
o-Xylene	EPA 524.2	ND	0.50	ug/L	1	AEI1512	09/27/21	09/27/21	
Styrene	EPA 524.2	ND	0.50	ug/L	1	AEI1512	09/27/21	09/27/21	
Tetrachloroethene (PCE)	EPA 524.2	ND	0.50	ug/L	1	AEI1512	09/27/21	09/27/21	
Toluene	EPA 524.2	ND	0.50	ug/L	1	AEI1512	09/27/21	09/27/21	
trans-1,2-Dichloroethene	EPA 524.2	ND	0.50	ug/L	1	AEI1512	09/27/21	09/27/21	
trans-1,3-Dichloropropene	EPA 524.2	ND	0.50	ug/L	1	AEI1512	09/27/21	09/27/21	
Trichloroethene (TCE)	EPA 524.2	ND	0.50	ug/L	1	AEI1512	09/27/21	09/27/21	
Trichlorofluoromethane	EPA 524.2	ND	5.0	ug/L	1	AEI1512	09/27/21	09/27/21	
Vinyl Chloride	EPA 524.2	ND	0.50	ug/L	1	AEI1512	09/27/21	09/27/21	
Total 1,3-Dichloropropene	EPA 524.2	ND	0.50	ug/L	1	AEI1512	09/27/21	09/27/21	
Total Xylenes	EPA 524.2	ND	0.50	ug/L	1	AEI1512	09/27/21	09/27/21	
Surrogate: 1,2-Dichlorobenzene-d4	EPA 524.2	99 %							Acceptable range: 70-130 %
Surrogate: Bromofluorobenzene	EPA 524.2	98 %							Acceptable range: 70-130 %

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BSK Associates Laboratory Fresno
Organics Quality Control Report

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Date Analyzed	Qual
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EPA 524.2 - Quality Control

Batch: AEI1512

Prepared: 9/27/2021

Prep Method: EPA 524.2

Analyst: ANM

Blank (AEI1512-BLK1)

1,1,1-Trichloroethane	ND	0.50	ug/L							09/27/21	
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L							09/27/21	
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	10	ug/L							09/27/21	
1,1,2-Trichloroethane	ND	0.50	ug/L							09/27/21	
1,1-Dichloroethane	ND	0.50	ug/L							09/27/21	
1,1-Dichloroethene	ND	0.50	ug/L							09/27/21	
1,2,4-Trichlorobenzene	ND	0.50	ug/L							09/27/21	
1,2-Dichlorobenzene	ND	0.50	ug/L							09/27/21	
1,2-Dichloroethane	ND	0.50	ug/L							09/27/21	
1,2-Dichloropropane	ND	0.50	ug/L							09/27/21	
1,4-Dichlorobenzene	ND	0.50	ug/L							09/27/21	
Benzene	ND	0.50	ug/L							09/27/21	
Carbon Tetrachloride	ND	0.50	ug/L							09/27/21	
Chlorobenzene	ND	0.50	ug/L							09/27/21	
cis-1,2-Dichloroethene	ND	0.50	ug/L							09/27/21	
cis-1,3-Dichloropropene	ND	0.50	ug/L							09/27/21	
Dichloromethane	ND	0.50	ug/L							09/27/21	
Ethylbenzene	ND	0.50	ug/L							09/27/21	
m,p-Xylenes	ND	0.50	ug/L							09/27/21	
Methyl-t-butyl ether	ND	0.50	ug/L							09/27/21	
o-Xylene	ND	0.50	ug/L							09/27/21	
Styrene	ND	0.50	ug/L							09/27/21	
Tetrachloroethene (PCE)	ND	0.50	ug/L							09/27/21	
Toluene	ND	0.50	ug/L							09/27/21	
trans-1,2-Dichloroethene	ND	0.50	ug/L							09/27/21	
trans-1,3-Dichloropropene	ND	0.50	ug/L							09/27/21	
Trichloroethene (TCE)	ND	0.50	ug/L							09/27/21	
Trichlorofluoromethane	ND	5.0	ug/L							09/27/21	
Vinyl Chloride	ND	0.50	ug/L							09/27/21	
Total 1,3-Dichloropropene	ND	0.50	ug/L							09/27/21	
Total Xylenes	ND	0.50	ug/L							09/27/21	
Surrogate: 1,2-Dichlorobenzene-d4	49			50		98	70-130			09/27/21	
Surrogate: Bromofluorobenzene	49			50		99	70-130			09/27/21	

Blank Spike (AEI1512-BS1)

1,1,1-Trichloroethane	11	0.50	ug/L	10	ND	106	70-130			09/27/21	
1,1,2,2-Tetrachloroethane	10	0.50	ug/L	10	ND	104	70-130			09/27/21	
1,1,2-Trichloro-1,2,2-trifluoroethane	11	10	ug/L	10	ND	113	70-130			09/27/21	
1,1,2-Trichloroethane	9.8	0.50	ug/L	10	ND	98	70-130			09/27/21	
1,1-Dichloroethane	10	0.50	ug/L	10	ND	102	70-130			09/27/21	
1,1-Dichloroethene	10	0.50	ug/L	10	ND	104	70-130			09/27/21	
1,2,4-Trichlorobenzene	9.8	0.50	ug/L	10	ND	98	70-130			09/27/21	
1,2-Dichlorobenzene	9.9	0.50	ug/L	10	ND	99	70-130			09/27/21	

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.

SEI0390 FINAL 10012021 1517

BSK Associates Laboratory Fresno
Organics Quality Control Report

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Date Analyzed	Qual
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EPA 524.2 - Quality Control

Batch: AEI1512

Prepared: 9/27/2021

Prep Method: EPA 524.2

Analyst: ANM

Blank Spike (AEI1512-BS1)

1,2-Dichloroethane	9.9	0.50	ug/L	10	ND	99	70-130			09/27/21	
1,2-Dichloropropane	10	0.50	ug/L	10	ND	101	70-130			09/27/21	
1,4-Dichlorobenzene	9.9	0.50	ug/L	10	ND	99	70-130			09/27/21	
Benzene	10	0.50	ug/L	10	ND	101	70-130			09/27/21	
Carbon Tetrachloride	11	0.50	ug/L	10	ND	109	70-130			09/27/21	
Chlorobenzene	10	0.50	ug/L	10	ND	103	70-130			09/27/21	
cis-1,2-Dichloroethene	10	0.50	ug/L	10	ND	103	70-130			09/27/21	
cis-1,3-Dichloropropene	10	0.50	ug/L	10	ND	103	70-130			09/27/21	
Dichloromethane	10	0.50	ug/L	10	ND	103	70-130			09/27/21	
Ethylbenzene	9.8	0.50	ug/L	10	ND	98	70-130			09/27/21	
m,p-Xylenes	19	0.50	ug/L	20	ND	94	70-130			09/27/21	
Methyl-t-butyl ether	20	0.50	ug/L	20	ND	99	70-130			09/27/21	
o-Xylene	10	0.50	ug/L	10	ND	101	70-130			09/27/21	
Styrene	9.3	0.50	ug/L	10	ND	93	70-130			09/27/21	
Tetrachloroethene (PCE)	10	0.50	ug/L	10	ND	103	70-130			09/27/21	
Toluene	9.9	0.50	ug/L	10	ND	99	70-130			09/27/21	
trans-1,2-Dichloroethene	10	0.50	ug/L	10	ND	102	70-130			09/27/21	
trans-1,3-Dichloropropene	10	0.50	ug/L	10	ND	104	70-130			09/27/21	
Trichloroethene (TCE)	10	0.50	ug/L	10	ND	104	70-130			09/27/21	
Trichlorofluoromethane	11	5.0	ug/L	10	ND	109	70-130			09/27/21	
Vinyl Chloride	11	0.50	ug/L	10	ND	110	70-130			09/27/21	
Surrogate: 1,2-Dichlorobenzene-d4	51			50		102	70-130			09/27/21	
Surrogate: Bromofluorobenzene	51			50		102	70-130			09/27/21	

Blank Spike Dup (AEI1512-BSD1)

1,1,1-Trichloroethane	10	0.50	ug/L	10	ND	101	70-130	4	30	09/27/21	
1,1,2,2-Tetrachloroethane	9.5	0.50	ug/L	10	ND	95	70-130	10	30	09/27/21	
1,1,2-Trichloro-1,2,2-trifluoroethane	11	10	ug/L	10	ND	109	70-130	4	30	09/27/21	
1,1,2-Trichloroethane	9.3	0.50	ug/L	10	ND	93	70-130	5	30	09/27/21	
1,1-Dichloroethane	9.7	0.50	ug/L	10	ND	97	70-130	6	30	09/27/21	
1,1-Dichloroethene	10	0.50	ug/L	10	ND	100	70-130	4	30	09/27/21	
1,2,4-Trichlorobenzene	8.5	0.50	ug/L	10	ND	85	70-130	13	30	09/27/21	
1,2-Dichlorobenzene	9.1	0.50	ug/L	10	ND	91	70-130	8	30	09/27/21	
1,2-Dichloroethane	9.3	0.50	ug/L	10	ND	93	70-130	6	30	09/27/21	
1,2-Dichloropropane	9.5	0.50	ug/L	10	ND	95	70-130	6	30	09/27/21	
1,4-Dichlorobenzene	9.2	0.50	ug/L	10	ND	92	70-130	7	30	09/27/21	
Benzene	9.7	0.50	ug/L	10	ND	97	70-130	4	30	09/27/21	
Carbon Tetrachloride	10	0.50	ug/L	10	ND	104	70-130	5	30	09/27/21	
Chlorobenzene	9.7	0.50	ug/L	10	ND	97	70-130	7	30	09/27/21	
cis-1,2-Dichloroethene	9.8	0.50	ug/L	10	ND	98	70-130	5	30	09/27/21	
cis-1,3-Dichloropropene	9.7	0.50	ug/L	10	ND	97	70-130	6	30	09/27/21	
Dichloromethane	10	0.50	ug/L	10	ND	102	70-130	0	30	09/27/21	
Ethylbenzene	9.5	0.50	ug/L	10	ND	95	70-130	4	30	09/27/21	

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**BSK Associates Laboratory Fresno
Organics Quality Control Report**

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Date Analyzed	Qual
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EPA 524.2 - Quality Control

Batch: AEI1512

Prepared: 9/27/2021

Prep Method: EPA 524.2

Analyst: ANM

Blank Spike Dup (AEI1512-BSD1)

m,p-Xylenes	18	0.50	ug/L	20	ND	89	70-130	5	30	09/27/21	
Methyl-t-butyl ether	18	0.50	ug/L	20	ND	92	70-130	7	30	09/27/21	
o-Xylene	9.5	0.50	ug/L	10	ND	95	70-130	6	30	09/27/21	
Styrene	8.8	0.50	ug/L	10	ND	88	70-130	6	30	09/27/21	
Tetrachloroethene (PCE)	9.8	0.50	ug/L	10	ND	98	70-130	5	30	09/27/21	
Toluene	9.5	0.50	ug/L	10	ND	95	70-130	5	30	09/27/21	
trans-1,2-Dichloroethene	9.8	0.50	ug/L	10	ND	98	70-130	4	30	09/27/21	
trans-1,3-Dichloropropene	9.8	0.50	ug/L	10	ND	98	70-130	6	30	09/27/21	
Trichloroethene (TCE)	9.9	0.50	ug/L	10	ND	99	70-130	5	30	09/27/21	
Trichlorofluoromethane	10	5.0	ug/L	10	ND	104	70-130	5	30	09/27/21	
Vinyl Chloride	11	0.50	ug/L	10	ND	108	70-130	2	30	09/27/21	
Surrogate: 1,2-Dichlorobenzene-d4	50			50		99	70-130			09/27/21	
Surrogate: Bromofluorobenzene	51			50		101	70-130			09/27/21	

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.

Certificate of Analysis

Notes:

- The Chain of Custody document and Sample Integrity Sheet are part of the analytical report.
- Any remaining sample(s) for testing will be disposed of according to BSK's sample retention policy unless other arrangements are made in advance.
- All positive results for EPA Methods 504.1 and 524.2 require the analysis of a Field Reagent Blank (FRB) to confirm that the results are not a contamination error from field sampling steps. If Field Reagent Blanks were not submitted with the samples, this method requirement has not been performed.
- Samples collected by BSK Analytical Laboratories were collected in accordance with the BSK Sampling and Collection Standard Operating Procedures.
- J-value is equivalent to DNQ (Detected, not quantified) which is a trace value. A trace value is an analyte detected between the MDL and the laboratory reporting limit. This result is of an unknown data quality and is only qualitative (estimated). Baseline noise, calibration curve extrapolation below the lowest calibrator, method blank detections, and integration artifacts can all produce apparent DNQ values, which contribute to the un-reliability of these values.
- (1) - Residual chlorine and pH analysis have a 15 minute holding time for both drinking and waste water samples as defined by the EPA and 40 CFR 136. Waste water and ground water (monitoring well) samples must be field filtered to meet the 15 minute holding time for dissolved metals.
- Field tests are outside the scope of laboratory accreditation and there is no certification available for field testing.
- Summations of analytes (i.e. Total Trihalomethanes) may appear to add individual amounts incorrectly, due to rounding of analyte values occurring before or after the total value is calculated, as well as rounding of the total value.
- RL Multiplier is the factor used to adjust the reporting limit (RL) due to variations in sample preparation procedures and dilutions required for matrix interferences.
- Due to the subjective nature of the Threshold Odor Method , all characterizations of the detected odor are the opinion of the panel of analysts. The characterizations can be found in Standard Methods 2170B Figure 2170:1.
- The MCLs provided in this report (if applicable) represent the primary MCLs for that analyte.
- (2) - Formerly known as Bis(2-Chloroisopropyl) ether.

Definitions

mg/L:	Milligrams/Liter (ppm)	MDL:	Method Detection Limit	MDA95:	Min. Detected Activity
mg/Kg:	Milligrams/Kilogram (ppm)	RL:	Reporting Limit: DL x Dilution	MPN:	Most Probable Number
µg/L:	Micrograms/Liter (ppb)	ND:	None Detected below MRL/MDL	CFU:	Colony Forming Unit
µg/Kg:	Micrograms/Kilogram (ppb)	pCi/L:	PicoCuries per Liter	Absent:	Less than 1 CFU/100mLs
%:	Percent	RL Mult:	RL Multiplier	Present:	1 or more CFU/100mLs
NR:	Non-Reportable	MCL:	Maximum Contaminant Limit	U:	The analyte was not detected at or above the reported sample quantitation limit.

Please see the individual Subcontract Lab's report for applicable certifications.

Certificate of Analysis

Certifications: Please refer to our website for a copy of our Accredited Fields of Testing under each certification.

Fresno

State of California - ELAP	1180	State of Hawaii	4021
Los Angeles CSD	9254479	NELAP certified	4021-018
State of Nevada	CA000792022-1	State of Oregon - NELAP	4021-018
EPA - UCMR4	CA00079	State of Washington	C997-21a

Sacramento

State of California - ELAP	2435
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San Bernardino

State of California - ELAP	2993	Los Angeles CSD	9254478
NELAP certified	4119-006	State of Oregon - NELAP	4119-006

Vancouver

NELAP certified	WA100008-014	State of Oregon - NELAP	WA100008-014
State of Washington	C824-20a		



Sample Integrity

BSK Bottles: Yes No Page 1 of 1

COC Info		Was temperature within range? Chemistry $\leq 6^{\circ}\text{C}$ Micro $< 8^{\circ}\text{C}$ <u>17.9⁰c</u>		Were correct containers and preservatives received for the tests requested?		
If samples were taken today, is there evidence that chilling has begun?		<u>Yes</u>	No	NA		
Did all bottles arrive unbroken and intact?		<u>Yes</u>	No	NA		
Did all bottle labels agree with COC?		<u>Yes</u>	No	NA		
Was sodium thiosulfate added to CN sample(s) until chlorine was no longer present?		Yes	<u>NA</u>	NA		
		PM:		By/Time:		
		Yes		<u>No</u> NA		
250ml(A) 500ml(B) 1Liter(C) 40mlVOA(V) 125ml(D)		Checks*	Passed?	#1	#2	#3
Bacti Na ₂ S ₂ O ₃		—	—			
None (P) ^{White Cap}		—	—			
Cr6 (P) Lt. Green Label/Blue Cap NH ₄ OH(NH ₄) ₂ SO ₄ DW		Cl, pH > 8	P F			
Cr6 (P) Pink Label/Blue Cap NH ₄ OH(NH ₄) ₂ SO ₄ WW		pH 9.3-9.7	P F			
Cr6 (P) Black Label/Blue Cap NH ₄ OH(NH ₄) ₂ SO ₄ 7199 ***24 HOUR HOLD TIME***		pH 9.0-9.5	P F			
HNO ₃ (P) Red Cap or HCl (P) Purple Cap/Lt. Blue Label		—	—			
H ₂ SO ₄ (P) or (AG) Yellow Cap/Label		pH < 2	P F			
NaOH (P) Green Cap		Cl, pH > 10	P F			
NaOH + ZnAc (P)		pH > 9	P F			
Dissolved Oxygen 300ml (g)		—	—			
None (AG) 608/8081/8082, 625, 632/8321, 8151, 8270		—	—			
HCl (AG) Lt. Blue Label O&G, Diesel, TCP		—	—			
Ascorbic, EDTA, KH ₂ Ct (AG) Pink Label 525		—	—			
Na ₂ SO ₃ 250mL (AG) Neon Green Label 515		—	—			
Na ₂ S ₂ O ₃ 1 Liter (Brown P) 549		—	—			
Na ₂ S ₂ O ₃ (AG) Blue Label 548, THM, 524		—	—			
Na ₂ S ₂ O ₃ (CG) Blue Label 504, 505, 547		—	—			
Na ₂ S ₂ O ₃ + MCAA (CG) Orange Label 531		pH < 3	P F			
NH ₄ Cl (AG) Purple Label 552		—	—			
EDA (P) or (AG) Brown Label DBPs		—	—			
HCL (CG) 524.2, BTEX, Gas, MTBE, 8260/624		—	—	IV	IV	IV
Buffer pH 4 (CG)		—	—			
H ₃ PO ₄ (CG) Salmon Label		—	—			
Trizma – EPA 537.1 - Field Blank Required		—	—			
Other:						
Asbestos 1L (P) w/ Foil / LL Metals Bottle		—	—			
Bottled Water		—	—			
Clear Glass 125mL / 250mL / 500mL / 1 Liter		—	—			
Solids: Brass / Steel / Plastic Bag		—	—			
Split	Container	Preservative	Date/Time/Initials	Container	Preservative	Date/Time/Initials
	S P			S P		
	S P			S P		
Comments	*Preservation check completed by lab performing analysis.			✓ Indicates Blanks Received		
				504 ___ 524.2 ___ TTHM ___ 537.1 ___ TCP ___		
			✓ MS/MSD Received Method: _____			

Scanned: _____ Rush/Short HT Page: _____ Time: _____



SAMPLE TRANSIT ORDER

SEI0390

Jaime Lee LaFave



Receipt temp @ FAL: 0.0 Thermometer/ IR Gun ID: 66

SENDING LABORATORY:

BSK Associates Sacramento
3140 Gold Camp Drive #160
Rancho Cordova, CA 95670
916.853.9293 (Main)
916.853.9297 (FAX)

Project Manager: Jaime Lee LaFave
E-mail: jlafave@bskassociates.com

RECEIVING LABORATORY:

BSK Associates Laboratory Fresno
1414 Stanislaus St
Fresno, CA 93706
559-497-2888 (Main)
559-485-6935 (FAX)

Turnaround (Days): Standard
QC Deliverables: I Std III IV

Client: H2O Urban Solutions, Inc.

Table with 4 columns: Sample ID, Samp Desc, Comments, Sample Date. Contains 4 sample entries (SEI0390-01 to SEI0390-04) with details on lab matrix, analysis, and volume.

Containers Included

Table with 4 columns: Sample ID, Container Type, Volume, and Note. Lists containers for samples SEI0390-01 through SEI0390-04.

Handwritten note: BSK W/ BSW FORM

Released By: [Signature] Date: 9/24/21

Received By: [Signature] Date: 9-24-21 14:20

Released By: _____ Date: _____ Received By: _____ Date: _____

SAMPLE TRANSIT INTEGRITY

SEI0390

PM: Jaime Lee LaFave

09/23/2021

H2Our4957

10



BSK Bottles: Yes No Page 1 of 1

COC Info	Was temperature within range? Chemistry ≤ 6°C Micro < 8°C	Yes No NA	Were correct containers and preservatives received for the tests requested?	Yes No NA
	Did all bottles arrive unbroken and intact?	Yes No	Bubbles Present VOAs (524.2/TCP/TTHM)?	Yes No NA
	Was a sufficient amount of sample received?	Yes No	TB Received? (Check Method Below)	Yes No NA
	Do samples have a hold time <72 hours?	Yes No	Was PM notified of discrepancies?	Yes No NA
	Was sodium thiosulfate added to CN sample(s) until chlorine was no longer present?	Yes No NA	PM: By/Time:	

Bottles Received	250ml(A) 500ml(B) 1Liter(C) 40ml VOA(V)	Checks	Passed?	1-4					
	Bacti Na2S2O3	---	---						
	None (P) White Cap	---	---						
	Cr6 (P) Lt. Green Label/Blue Cap NH4OH(NH4)SO4 DW	Cl, pH > 8	P F						
	Cr6 (P) Pink Label/Blue Cap NH4OH(NH4)SO4 WW	pH 9.3 - 9.7	P F						
	Cr6 (P) Black Label/Blue Cap NH4OH(NH4)SO4 7199 ***24 HOUR HOLD TIME***	pH 9.0 - 9.5	P F						
	HNO3 (P) Red Cap or HCl (P) Purple Cap/Lt. Blue Label	---	---						
	H2SO4 (P) or (AG) Yellow Cap/Label	pH < 2	P F						
	NaOH (P) Green Cap	Cl, pH > 10	P F						
	NaOH + ZnAc (P)	pH > 9	P F						
	Dissolved Oxygen 300ml (g)	---	---						
	None (AG) 608/8081/8082, 625, 632/8321, 8151, 8270	---	---						
	HCl (AG) Lt. Blue Label O&G, Diesel, TCP	---	---						
	Ascorbic, EDTA, KH2Ct (AG) Pink Label 525	---	---						
	Na2SO3 250ml (AG) Neon Green Label 515	---	---						
	Na2S2O3 1 Liter (Brown P) 549	---	---						
	Na2S2O3 (AG) Blue Label 548, THM, 524	---	---						
	Na2S2O3 (CG) Blue Label 504, 505, 547	---	---						
	Na2S2O3 + MCAA (CG) Orange Label 531	pH < 3	P F						
	NH4Cl (AG) Purple Label 552	---	---						
	EDA (AG) Brown Label DBPs	---	---						
	HCL (CG) 524.2, BTEX, Gas, MTBE, 8260/624	---	---		IV				
	Buffer pH 4 (CG)	---	---						
	H3PO4 (CG) Salmon Label	---	---						
	250mL P / Trizma 531.1	---	---						
Other:									
Asbestos 1L (P) w/Foil / LL Metals Bottle	---	---							
Bottled Water	---	---							
Clear Glass 250ml / 500ml / 1 Liter	---	---							
Solids: Brass / Steel / Plastic Bag	---	---							

VCH
924-21

Split	Container	Preservative	Date/Time/Initials	Container	Preservative	Date/Time/Initials
	S P			S P		
	S P			S P		

Comments	*limited volume received VCH 924-21	✓ Indicates Blanks Received
		504 _____ 524.2 _____ TCP _____ TTHM _____ 537 _____ 8260/624 _____

Labels Checked by: VCH @ 14:20 Scanned by: VCH @ Paged by: @ RUSH