



BSK Associates Laboratory Fresno
687 N. Laverne Avenue
Fresno, CA 93727
559-497-2888 (Main)

AHD2080
4/16/2024
Invoice: AH09043

Martin Mendoza
City of Madera
1030 S. Gateway Drive
Madera, CA 93637-4728

RE: Report for AHD2080 Special Sampling

Dear Martin Mendoza,

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 4/12/2024. 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, Yolanda Martin, at 559-497-2888.

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

Sincerely,

Stephane Maupas, Manager - Project Management



Accredited in Accordance with NELAP
ORELAP #4021

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.

AHD2080 FINAL 04162024 1723

Case Narrative

Project and Report Details	Invoice Details
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Client: City of Madera Report To: Martin Mendoza Project #: Special Sampling Received: 4/12/2024 - 08:42 Report Due: 4/16/2024	Invoice To: City of Madera Invoice Attn: Martin Mendoza Project PO#: -
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Sample Receipt Conditions

Cooler: Default Cooler Temperature on Receipt °C: 10.4	Containers Intact COC/Labels Agree Received On Wet Ice Sample(s) arrived at lab on same day sampled. Sample(s) were received in temperature range. Initial receipt at BSK-FAL
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Data Qualifiers

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

- B Analyte exceeds laboratory acceptance limit for blank contamination.
- B1.1 Analyte detected in associated method blank. No material impact on reported result as sample is ND for this parameter.

Report Distribution

Recipient(s)	Report Format	CC:
Martin Mendoza	MCL_FINAL.RPT	

Certificate of Analysis

Sample ID: AHD2080-01
Sampled By: Martin Mendoza
Sample Description: Water Tower

Sample Date - Time: 04/12/2024 - 07:35
Matrix: Drinking Water
Sample Type: Grab

BSK Associates Laboratory Fresno
Organics

Analyte	Method	Result	RL	Units	RL Mult	1° MCL	2° MCL	Batch	Prepared	Analyzed	Qual
Volatile Organics by GC-MS											
1,1,1,2-Tetrachloroethane	EPA 524.2	ND	0.50	ug/L	1			AHD0868	04/12/24	04/12/24	
1,1,1-Trichloroethane	EPA 524.2	ND	0.50	ug/L	1	200		AHD0868	04/12/24	04/12/24	
1,1,2,2-Tetrachloroethane	EPA 524.2	ND	0.50	ug/L	1	1		AHD0868	04/12/24	04/12/24	
1,1,2-Trichloro-1,2,2-trifluoroethane	EPA 524.2	ND	10	ug/L	1	1200		AHD0868	04/12/24	04/12/24	
1,1,2-Trichloroethane	EPA 524.2	ND	0.50	ug/L	1	5		AHD0868	04/12/24	04/12/24	
1,1-Dichloroethane	EPA 524.2	ND	0.50	ug/L	1	5		AHD0868	04/12/24	04/12/24	
1,1-Dichloroethene	EPA 524.2	ND	0.50	ug/L	1	6		AHD0868	04/12/24	04/12/24	
1,1-Dichloropropene	EPA 524.2	ND	0.50	ug/L	1			AHD0868	04/12/24	04/12/24	
1,2,3-Trichlorobenzene	EPA 524.2	ND	0.50	ug/L	1			AHD0868	04/12/24	04/12/24	
1,2,4-Trichlorobenzene	EPA 524.2	ND	0.50	ug/L	1	5		AHD0868	04/12/24	04/12/24	
1,2,4-Trimethylbenzene	EPA 524.2	12	0.50	ug/L	1			AHD0868	04/12/24	04/12/24	
1,2-Dichlorobenzene	EPA 524.2	ND	0.50	ug/L	1	600		AHD0868	04/12/24	04/12/24	
1,2-Dichloroethane	EPA 524.2	ND	0.50	ug/L	1	0.5		AHD0868	04/12/24	04/12/24	
1,2-Dichloropropane	EPA 524.2	ND	0.50	ug/L	1	5		AHD0868	04/12/24	04/12/24	
1,3,5-Trimethylbenzene	EPA 524.2	4.6	0.50	ug/L	1			AHD0868	04/12/24	04/12/24	
1,3-Dichlorobenzene	EPA 524.2	ND	0.50	ug/L	1			AHD0868	04/12/24	04/12/24	
1,3-Dichloropropane	EPA 524.2	ND	0.50	ug/L	1			AHD0868	04/12/24	04/12/24	
1,4-Dichlorobenzene	EPA 524.2	ND	0.50	ug/L	1	5		AHD0868	04/12/24	04/12/24	
2,2-Dichloropropane	EPA 524.2	ND	0.50	ug/L	1			AHD0868	04/12/24	04/12/24	
2-Butanone	EPA 524.2	ND	5.0	ug/L	1			AHD0868	04/12/24	04/12/24	
2-Chlorotoluene	EPA 524.2	ND	0.50	ug/L	1			AHD0868	04/12/24	04/12/24	
2-Hexanone	EPA 524.2	ND	10	ug/L	1			AHD0868	04/12/24	04/12/24	
4-Chlorotoluene	EPA 524.2	ND	0.50	ug/L	1			AHD0868	04/12/24	04/12/24	
4-Methyl-2-pentanone	EPA 524.2	6.5	5.0	ug/L	1			AHD0868	04/12/24	04/12/24	
Acetone	EPA 524.2	ND	10	ug/L	1			AHD0868	04/12/24	04/12/24	
Benzene	EPA 524.2	ND	0.50	ug/L	1	1		AHD0868	04/12/24	04/12/24	
Bromobenzene	EPA 524.2	ND	0.50	ug/L	1			AHD0868	04/12/24	04/12/24	
Bromochloromethane	EPA 524.2	ND	0.50	ug/L	1			AHD0868	04/12/24	04/12/24	
Bromodichloromethane	EPA 524.2	0.94	0.50	ug/L	1			AHD0868	04/12/24	04/12/24	
Bromoform	EPA 524.2	2.5	0.50	ug/L	1			AHD0868	04/12/24	04/12/24	
Bromomethane	EPA 524.2	ND	0.50	ug/L	1			AHD0868	04/12/24	04/12/24	
Carbon Tetrachloride	EPA 524.2	ND	0.50	ug/L	1	0.5		AHD0868	04/12/24	04/12/24	
Chlorobenzene	EPA 524.2	11	0.50	ug/L	1	70		AHD0868	04/12/24	04/12/24	
Chloroethane	EPA 524.2	ND	0.50	ug/L	1			AHD0868	04/12/24	04/12/24	
Chloroform	EPA 524.2	ND	0.50	ug/L	1			AHD0868	04/12/24	04/12/24	
Chloromethane	EPA 524.2	1.6	0.50	ug/L	1			AHD0868	04/12/24	04/12/24	
cis-1,2-Dichloroethene	EPA 524.2	ND	0.50	ug/L	1	6		AHD0868	04/12/24	04/12/24	
cis-1,3-Dichloropropene	EPA 524.2	ND	0.50	ug/L	1			AHD0868	04/12/24	04/12/24	
Dibromochloromethane	EPA 524.2	3.0	0.50	ug/L	1			AHD0868	04/12/24	04/12/24	
Dibromomethane	EPA 524.2	ND	0.50	ug/L	1			AHD0868	04/12/24	04/12/24	
Dichlorodifluoromethane	EPA 524.2	ND	0.50	ug/L	1			AHD0868	04/12/24	04/12/24	
Dichloromethane	EPA 524.2	ND	0.50	ug/L	1	5		AHD0868	04/12/24	04/12/24	
Ethyl tert-Butyl Ether (ETBE)	EPA 524.2	ND	0.50	ug/L	1			AHD0868	04/12/24	04/12/24	

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Certificate of Analysis

Sample ID: AHD2080-01
Sampled By: Martin Mendoza
Sample Description: Water Tower

Sample Date - Time: 04/12/2024 - 07:35
Matrix: Drinking Water
Sample Type: Grab

Organics

Analyte	Method	Result	RL	Units	RL Mult	1° MCL	2° MCL	Batch	Prepared	Analyzed	Qual
Volatile Organics by GC-MS											
Ethylbenzene	EPA 524.2	12	0.50	ug/L	1	300		AHD0868	04/12/24	04/12/24	
Hexachlorobutadiene	EPA 524.2	ND	0.50	ug/L	1			AHD0868	04/12/24	04/12/24	
Isopropylbenzene	EPA 524.2	1.4	0.50	ug/L	1			AHD0868	04/12/24	04/12/24	
m,p-Xylenes	EPA 524.2	11	0.50	ug/L	1			AHD0868	04/12/24	04/12/24	
Methyl-t-butyl ether	EPA 524.2	ND	0.50	ug/L	1	13	5	AHD0868	04/12/24	04/12/24	
Naphthalene	EPA 524.2	ND	0.50	ug/L	1			AHD0868	04/12/24	04/12/24	B1.1
n-Butylbenzene	EPA 524.2	ND	0.50	ug/L	1			AHD0868	04/12/24	04/12/24	
n-Propylbenzene	EPA 524.2	11	0.50	ug/L	1			AHD0868	04/12/24	04/12/24	
o-Xylene	EPA 524.2	13	0.50	ug/L	1			AHD0868	04/12/24	04/12/24	
p-Isopropyltoluene	EPA 524.2	ND	0.50	ug/L	1			AHD0868	04/12/24	04/12/24	
sec-Butylbenzene	EPA 524.2	ND	0.50	ug/L	1			AHD0868	04/12/24	04/12/24	
Styrene	EPA 524.2	ND	0.50	ug/L	1	100		AHD0868	04/12/24	04/12/24	
tert-Amyl Methyl Ether (TAME)	EPA 524.2	ND	3.0	ug/L	1			AHD0868	04/12/24	04/12/24	
tert-Butyl alcohol (TBA)	EPA 524.2	35	2.0	ug/L	1			AHD0868	04/12/24	04/12/24	
tert-Butylbenzene	EPA 524.2	ND	0.50	ug/L	1			AHD0868	04/12/24	04/12/24	
Tetrachloroethene (PCE)	EPA 524.2	0.67	0.50	ug/L	1	5		AHD0868	04/12/24	04/12/24	
Toluene	EPA 524.2	ND	0.50	ug/L	1	150		AHD0868	04/12/24	04/12/24	
trans-1,2-Dichloroethene	EPA 524.2	ND	0.50	ug/L	1	10		AHD0868	04/12/24	04/12/24	
trans-1,3-Dichloropropene	EPA 524.2	ND	0.50	ug/L	1			AHD0868	04/12/24	04/12/24	
Trichloroethene (TCE)	EPA 524.2	ND	0.50	ug/L	1	5		AHD0868	04/12/24	04/12/24	
Trichlorofluoromethane	EPA 524.2	ND	5.0	ug/L	1	150		AHD0868	04/12/24	04/12/24	
Vinyl Chloride	EPA 524.2	ND	0.50	ug/L	1	0.5		AHD0868	04/12/24	04/12/24	
Total 1,3-Dichloropropene	EPA 524.2	ND	0.50	ug/L	1	0.5		AHD0868	04/12/24	04/12/24	
Total Trihalomethanes		6.4	0.50	ug/L		80					
Total Xylenes	EPA 524.2	25	0.50	ug/L	1	1750		AHD0868	04/12/24	04/12/24	
Surrogate: 1,2-Dichlorobenzene-d4	EPA 524.2	95 %									Acceptable range: 70-130 %
Surrogate: Bromofluorobenzene	EPA 524.2	97 %									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	Limit	RPD	Limit	Date Analyzed	Qual
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EPA 524.2 - Quality Control

Batch: AHD0868
Prep Method: EPA 524.2

Prepared: 4/11/2024
Analyst: CAT

Blank (AHD0868-BLK1)

1,1,1,2-Tetrachloroethane	ND	0.50	ug/L							04/12/24	
1,1,1-Trichloroethane	ND	0.50	ug/L							04/12/24	
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L							04/12/24	
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	10	ug/L							04/12/24	
1,1,2-Trichloroethane	ND	0.50	ug/L							04/12/24	
1,1-Dichloroethane	ND	0.50	ug/L							04/12/24	
1,1-Dichloroethene	ND	0.50	ug/L							04/12/24	
1,1-Dichloropropene	ND	0.50	ug/L							04/12/24	
1,2,3-Trichlorobenzene	ND	0.50	ug/L							04/12/24	
1,2,4-Trichlorobenzene	ND	0.50	ug/L							04/12/24	
1,2,4-Trimethylbenzene	ND	0.50	ug/L							04/12/24	
1,2-Dichlorobenzene	ND	0.50	ug/L							04/12/24	
1,2-Dichloroethane	ND	0.50	ug/L							04/12/24	
1,2-Dichloropropane	ND	0.50	ug/L							04/12/24	
1,3,5-Trimethylbenzene	ND	0.50	ug/L							04/12/24	
1,3-Dichlorobenzene	ND	0.50	ug/L							04/12/24	
1,3-Dichloropropane	ND	0.50	ug/L							04/12/24	
1,4-Dichlorobenzene	ND	0.50	ug/L							04/12/24	
2,2-Dichloropropane	ND	0.50	ug/L							04/12/24	
2-Butanone	ND	5.0	ug/L							04/12/24	
2-Chlorotoluene	ND	0.50	ug/L							04/12/24	
2-Hexanone	ND	10	ug/L							04/12/24	
4-Chlorotoluene	ND	0.50	ug/L							04/12/24	
4-Methyl-2-pentanone	ND	5.0	ug/L							04/12/24	
Acetone	ND	10	ug/L							04/12/24	
Benzene	ND	0.50	ug/L							04/12/24	
Bromobenzene	ND	0.50	ug/L							04/12/24	
Bromochloromethane	ND	0.50	ug/L							04/12/24	
Bromodichloromethane	ND	0.50	ug/L							04/12/24	
Bromoform	ND	0.50	ug/L							04/12/24	
Bromomethane	ND	0.50	ug/L							04/12/24	
Carbon Tetrachloride	ND	0.50	ug/L							04/12/24	
Chlorobenzene	ND	0.50	ug/L							04/12/24	
Chloroethane	ND	0.50	ug/L							04/12/24	
Chloroform	ND	0.50	ug/L							04/12/24	
Chloromethane	ND	0.50	ug/L							04/12/24	
cis-1,2-Dichloroethene	ND	0.50	ug/L							04/12/24	
cis-1,3-Dichloropropene	ND	0.50	ug/L							04/12/24	
Dibromochloromethane	ND	0.50	ug/L							04/12/24	
Dibromomethane	ND	0.50	ug/L							04/12/24	
Dichlorodifluoromethane	ND	0.50	ug/L							04/12/24	
Dichloromethane	ND	0.50	ug/L							04/12/24	
Ethyl tert-Butyl Ether (ETBE)	ND	0.50	ug/L							04/12/24	
Ethylbenzene	ND	0.50	ug/L							04/12/24	

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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: AHD0868
Prep Method: EPA 524.2

Prepared: 4/11/2024
Analyst: CAT

Blank (AHD0868-BLK1)

Hexachlorobutadiene	ND	0.50	ug/L							04/12/24	
Isopropylbenzene	ND	0.50	ug/L							04/12/24	
m,p-Xylenes	ND	0.50	ug/L							04/12/24	
Methyl-t-butyl ether	ND	0.50	ug/L							04/12/24	
Naphthalene	0.82	0.50	ug/L							04/12/24	B
n-Butylbenzene	ND	0.50	ug/L							04/12/24	
n-Propylbenzene	ND	0.50	ug/L							04/12/24	
o-Xylene	ND	0.50	ug/L							04/12/24	
p-Isopropyltoluene	ND	0.50	ug/L							04/12/24	
sec-Butylbenzene	ND	0.50	ug/L							04/12/24	
Styrene	ND	0.50	ug/L							04/12/24	
tert-Amyl Methyl Ether (TAME)	ND	3.0	ug/L							04/12/24	
tert-Butyl alcohol (TBA)	ND	2.0	ug/L							04/12/24	
tert-Butylbenzene	ND	0.50	ug/L							04/12/24	
Tetrachloroethene (PCE)	ND	0.50	ug/L							04/12/24	
Toluene	ND	0.50	ug/L							04/12/24	
trans-1,2-Dichloroethene	ND	0.50	ug/L							04/12/24	
trans-1,3-Dichloropropene	ND	0.50	ug/L							04/12/24	
Trichloroethene (TCE)	ND	0.50	ug/L							04/12/24	
Trichlorofluoromethane	ND	5.0	ug/L							04/12/24	
Vinyl Chloride	ND	0.50	ug/L							04/12/24	
Total 1,3-Dichloropropene	ND	0.50	ug/L							04/12/24	
Total Trihalomethanes	ND	0.50	ug/L							04/12/24	
Total Xylenes	ND	0.50	ug/L							04/12/24	
Surrogate: 1,2-Dichlorobenzene-d4	47			50		93	70-130			04/12/24	
Surrogate: Bromofluorobenzene	48			50		95	70-130			04/12/24	

Blank Spike (AHD0868-BS1)

1,1,1,2-Tetrachloroethane	9.4	0.50	ug/L	10	ND	94	70-130			04/12/24	
1,1,1-Trichloroethane	9.5	0.50	ug/L	10	ND	95	70-130			04/12/24	
1,1,2,2-Tetrachloroethane	9.1	0.50	ug/L	10	ND	91	70-130			04/12/24	
1,1,2-Trichloro-1,2,2-trifluoroethane	10	10	ug/L	10	ND	103	70-130			04/12/24	
1,1,2-Trichloroethane	9.0	0.50	ug/L	10	ND	90	70-130			04/12/24	
1,1-Dichloroethane	9.7	0.50	ug/L	10	ND	97	70-130			04/12/24	
1,1-Dichloroethene	10	0.50	ug/L	10	ND	104	70-130			04/12/24	
1,1-Dichloropropene	9.1	0.50	ug/L	10	ND	91	70-130			04/12/24	
1,2,3-Trichlorobenzene	9.3	0.50	ug/L	10	ND	93	70-130			04/12/24	
1,2,4-Trichlorobenzene	10	0.50	ug/L	10	ND	100	70-130			04/12/24	
1,2,4-Trimethylbenzene	9.3	0.50	ug/L	10	ND	93	70-130			04/12/24	
1,2-Dichlorobenzene	9.4	0.50	ug/L	10	ND	94	70-130			04/12/24	
1,2-Dichloroethane	9.0	0.50	ug/L	10	ND	90	70-130			04/12/24	
1,2-Dichloropropane	9.3	0.50	ug/L	10	ND	93	70-130			04/12/24	
1,3,5-Trimethylbenzene	9.4	0.50	ug/L	10	ND	94	70-130			04/12/24	
1,3-Dichlorobenzene	9.2	0.50	ug/L	10	ND	92	70-130			04/12/24	

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AHD2080 FINAL 04162024 1723

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: AHD0868

Prepared: 4/11/2024

Prep Method: EPA 524.2

Analyst: CAT

Blank Spike (AHD0868-BS1)

1,3-Dichloropropane	9.2	0.50	ug/L	10	ND	92	70-130			04/12/24	
1,4-Dichlorobenzene	9.9	0.50	ug/L	10	ND	99	70-130			04/12/24	
2,2-Dichloropropane	8.7	0.50	ug/L	10	ND	87	70-130			04/12/24	
2-Butanone	8.9	5.0	ug/L	10	ND	89	70-130			04/12/24	
2-Chlorotoluene	9.2	0.50	ug/L	10	ND	92	70-130			04/12/24	
2-Hexanone	9.3	10	ug/L	10	ND	93	70-130			04/12/24	
4-Chlorotoluene	9.4	0.50	ug/L	10	ND	94	70-130			04/12/24	
4-Methyl-2-pentanone	9.5	5.0	ug/L	10	ND	95	70-130			04/12/24	
Acetone	9.3	10	ug/L	10	ND	93	70-130			04/12/24	
Benzene	9.1	0.50	ug/L	10	ND	91	70-130			04/12/24	
Bromobenzene	9.2	0.50	ug/L	10	ND	92	70-130			04/12/24	
Bromochloromethane	8.5	0.50	ug/L	10	ND	85	70-130			04/12/24	
Bromodichloromethane	9.0	0.50	ug/L	10	ND	90	70-130			04/12/24	
Bromoform	9.4	0.50	ug/L	10	ND	94	70-130			04/12/24	
Bromomethane	9.3	0.50	ug/L	10	ND	93	70-130			04/12/24	
Carbon Tetrachloride	9.3	0.50	ug/L	10	ND	93	70-130			04/12/24	
Chlorobenzene	9.2	0.50	ug/L	10	ND	92	70-130			04/12/24	
Chloroethane	9.7	0.50	ug/L	10	ND	97	70-130			04/12/24	
Chloroform	10	0.50	ug/L	10	ND	105	70-130			04/12/24	
Chloromethane	8.8	0.50	ug/L	10	ND	88	70-130			04/12/24	
cis-1,2-Dichloroethene	11	0.50	ug/L	10	ND	105	70-130			04/12/24	
cis-1,3-Dichloropropene	9.8	0.50	ug/L	10	ND	98	70-130			04/12/24	
Dibromochloromethane	9.1	0.50	ug/L	10	ND	91	70-130			04/12/24	
Dibromomethane	9.0	0.50	ug/L	10	ND	90	70-130			04/12/24	
Dichlorodifluoromethane	9.5	0.50	ug/L	10	ND	95	70-130			04/12/24	
Dichloromethane	9.5	0.50	ug/L	10	ND	95	70-130			04/12/24	
Ethyl tert-Butyl Ether (ETBE)	9.5	0.50	ug/L	10	ND	95	70-130			04/12/24	
Ethylbenzene	9.7	0.50	ug/L	10	ND	97	70-130			04/12/24	
Hexachlorobutadiene	9.5	0.50	ug/L	10	ND	95	70-130			04/12/24	
Isopropylbenzene	9.3	0.50	ug/L	10	ND	93	70-130			04/12/24	
m,p-Xylenes	19	0.50	ug/L	20	ND	93	70-130			04/12/24	
Methyl-t-butyl ether	18	0.50	ug/L	20	ND	89	70-130			04/12/24	
Naphthalene	11	0.50	ug/L	10	ND	107	70-130			04/12/24	
n-Butylbenzene	9.5	0.50	ug/L	10	ND	95	70-130			04/12/24	
n-Propylbenzene	9.2	0.50	ug/L	10	ND	92	70-130			04/12/24	
o-Xylene	9.2	0.50	ug/L	10	ND	92	70-130			04/12/24	
p-Isopropyltoluene	9.5	0.50	ug/L	10	ND	95	70-130			04/12/24	
sec-Butylbenzene	9.1	0.50	ug/L	10	ND	91	70-130			04/12/24	
Styrene	9.3	0.50	ug/L	10	ND	93	70-130			04/12/24	
tert-Amyl Methyl Ether (TAME)	9.8	3.0	ug/L	10	ND	98	70-130			04/12/24	
tert-Butyl alcohol (TBA)	8.7	2.0	ug/L	10	ND	87	70-130			04/12/24	
tert-Butylbenzene	8.9	0.50	ug/L	10	ND	89	70-130			04/12/24	
Tetrachloroethene (PCE)	8.7	0.50	ug/L	10	ND	87	70-130			04/12/24	
Toluene	9.6	0.50	ug/L	10	ND	96	70-130			04/12/24	

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.

AHD2080 FINAL 04162024 1723

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: AHD0868

Prepared: 4/11/2024

Prep Method: EPA 524.2

Analyst: CAT

Blank Spike (AHD0868-BS1)

trans-1,2-Dichloroethene	9.0	0.50	ug/L	10	ND	90	70-130			04/12/24	
trans-1,3-Dichloropropene	9.3	0.50	ug/L	10	ND	93	70-130			04/12/24	
Trichloroethene (TCE)	8.6	0.50	ug/L	10	ND	86	70-130			04/12/24	
Trichlorofluoromethane	9.6	5.0	ug/L	10	ND	96	70-130			04/12/24	
Vinyl Chloride	9.4	0.50	ug/L	10	ND	94	70-130			04/12/24	
Surrogate: 1,2-Dichlorobenzene-d4	49			50		98	70-130			04/12/24	
Surrogate: Bromofluorobenzene	51			50		101	70-130			04/12/24	

Blank Spike Dup (AHD0868-BSD1)

1,1,1,2-Tetrachloroethane	8.7	0.50	ug/L	10	ND	87	70-130	8	30	04/12/24	
1,1,1-Trichloroethane	8.7	0.50	ug/L	10	ND	87	70-130	9	30	04/12/24	
1,1,2,2-Tetrachloroethane	8.7	0.50	ug/L	10	ND	87	70-130	5	30	04/12/24	
1,1,2-Trichloro-1,2,2-trifluoroethane	9.7	10	ug/L	10	ND	97	70-130	5	30	04/12/24	
1,1,2-Trichloroethane	8.3	0.50	ug/L	10	ND	83	70-130	8	30	04/12/24	
1,1-Dichloroethane	9.0	0.50	ug/L	10	ND	90	70-130	8	30	04/12/24	
1,1-Dichloroethene	9.0	0.50	ug/L	10	ND	90	70-130	15	30	04/12/24	
1,1-Dichloropropene	8.5	0.50	ug/L	10	ND	85	70-130	7	30	04/12/24	
1,2,3-Trichlorobenzene	9.1	0.50	ug/L	10	ND	91	70-130	3	30	04/12/24	
1,2,4-Trichlorobenzene	8.7	0.50	ug/L	10	ND	87	70-130	14	30	04/12/24	
1,2,4-Trimethylbenzene	8.3	0.50	ug/L	10	ND	83	70-130	10	30	04/12/24	
1,2-Dichlorobenzene	8.7	0.50	ug/L	10	ND	87	70-130	8	30	04/12/24	
1,2-Dichloroethane	8.6	0.50	ug/L	10	ND	86	70-130	5	30	04/12/24	
1,2-Dichloropropane	8.9	0.50	ug/L	10	ND	89	70-130	5	30	04/12/24	
1,3,5-Trimethylbenzene	8.4	0.50	ug/L	10	ND	84	70-130	11	30	04/12/24	
1,3-Dichlorobenzene	8.3	0.50	ug/L	10	ND	83	70-130	11	30	04/12/24	
1,3-Dichloropropane	8.4	0.50	ug/L	10	ND	84	70-130	9	30	04/12/24	
1,4-Dichlorobenzene	8.7	0.50	ug/L	10	ND	87	70-130	13	30	04/12/24	
2,2-Dichloropropane	7.7	0.50	ug/L	10	ND	77	70-130	12	30	04/12/24	
2-Butanone	8.0	5.0	ug/L	10	ND	80	70-130	10	30	04/12/24	
2-Chlorotoluene	8.4	0.50	ug/L	10	ND	84	70-130	9	30	04/12/24	
2-Hexanone	8.5	10	ug/L	10	ND	85	70-130	10	30	04/12/24	
4-Chlorotoluene	8.6	0.50	ug/L	10	ND	86	70-130	9	30	04/12/24	
4-Methyl-2-pentanone	9.0	5.0	ug/L	10	ND	90	70-130	6	30	04/12/24	
Acetone	9.2	10	ug/L	10	ND	92	70-130	2	30	04/12/24	
Benzene	8.5	0.50	ug/L	10	ND	85	70-130	6	30	04/12/24	
Bromobenzene	8.6	0.50	ug/L	10	ND	86	70-130	7	30	04/12/24	
Bromochloromethane	8.2	0.50	ug/L	10	ND	82	70-130	4	30	04/12/24	
Bromodichloromethane	8.4	0.50	ug/L	10	ND	84	70-130	7	30	04/12/24	
Bromoform	8.7	0.50	ug/L	10	ND	87	70-130	8	30	04/12/24	
Bromomethane	8.5	0.50	ug/L	10	ND	85	70-130	9	30	04/12/24	
Carbon Tetrachloride	9.2	0.50	ug/L	10	ND	92	70-130	1	30	04/12/24	
Chlorobenzene	8.2	0.50	ug/L	10	ND	82	70-130	11	30	04/12/24	
Chloroethane	8.8	0.50	ug/L	10	ND	88	70-130	10	30	04/12/24	
Chloroform	8.8	0.50	ug/L	10	ND	88	70-130	18	30	04/12/24	

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.

AHD2080 FINAL 04162024 1723

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: AHD0868
Prep Method: EPA 524.2

Prepared: 4/11/2024
Analyst: CAT

Blank Spike Dup (AHD0868-BSD1)

Chloromethane	8.1	0.50	ug/L	10	ND	81	70-130	8	30	04/12/24	
cis-1,2-Dichloroethene	8.4	0.50	ug/L	10	ND	84	70-130	22	30	04/12/24	
cis-1,3-Dichloropropene	9.0	0.50	ug/L	10	ND	90	70-130	9	30	04/12/24	
Dibromochloromethane	8.3	0.50	ug/L	10	ND	83	70-130	9	30	04/12/24	
Dibromomethane	8.4	0.50	ug/L	10	ND	84	70-130	7	30	04/12/24	
Dichlorodifluoromethane	9.0	0.50	ug/L	10	ND	90	70-130	5	30	04/12/24	
Dichloromethane	8.6	0.50	ug/L	10	ND	86	70-130	10	30	04/12/24	
Ethyl tert-Butyl Ether (ETBE)	8.9	0.50	ug/L	10	ND	89	70-130	6	30	04/12/24	
Ethylbenzene	8.7	0.50	ug/L	10	ND	87	70-130	11	30	04/12/24	
Hexachlorobutadiene	8.4	0.50	ug/L	10	ND	84	70-130	12	30	04/12/24	
Isopropylbenzene	8.6	0.50	ug/L	10	ND	86	70-130	8	30	04/12/24	
m,p-Xylenes	17	0.50	ug/L	20	ND	83	70-130	12	30	04/12/24	
Methyl-t-butyl ether	17	0.50	ug/L	20	ND	85	70-130	5	30	04/12/24	
Naphthalene	9.6	0.50	ug/L	10	ND	96	70-130	11	30	04/12/24	
n-Butylbenzene	8.7	0.50	ug/L	10	ND	87	70-130	9	30	04/12/24	
n-Propylbenzene	8.4	0.50	ug/L	10	ND	84	70-130	10	30	04/12/24	
o-Xylene	8.2	0.50	ug/L	10	ND	82	70-130	12	30	04/12/24	
p-Isopropyltoluene	8.4	0.50	ug/L	10	ND	84	70-130	12	30	04/12/24	
sec-Butylbenzene	8.0	0.50	ug/L	10	ND	80	70-130	12	30	04/12/24	
Styrene	8.3	0.50	ug/L	10	ND	83	70-130	11	30	04/12/24	
tert-Amyl Methyl Ether (TAME)	9.3	3.0	ug/L	10	ND	93	70-130	5	30	04/12/24	
tert-Butyl alcohol (TBA)	9.2	2.0	ug/L	10	ND	92	70-130	6	30	04/12/24	
tert-Butylbenzene	8.3	0.50	ug/L	10	ND	83	70-130	7	30	04/12/24	
Tetrachloroethene (PCE)	8.4	0.50	ug/L	10	ND	84	70-130	3	30	04/12/24	
Toluene	8.8	0.50	ug/L	10	ND	88	70-130	9	30	04/12/24	
trans-1,2-Dichloroethene	8.5	0.50	ug/L	10	ND	85	70-130	6	30	04/12/24	
trans-1,3-Dichloropropene	8.3	0.50	ug/L	10	ND	83	70-130	11	30	04/12/24	
Trichloroethene (TCE)	8.4	0.50	ug/L	10	ND	84	70-130	3	30	04/12/24	
Trichlorofluoromethane	8.8	5.0	ug/L	10	ND	88	70-130	8	30	04/12/24	
Vinyl Chloride	9.5	0.50	ug/L	10	ND	95	70-130	1	30	04/12/24	
Surrogate: 1,2-Dichlorobenzene-d4	46			50		92	70-130			04/12/24	
Surrogate: Bromofluorobenzene	47			50		94	70-130			04/12/24	

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.
Unless otherwise noted, TOC results by SM 5310C method do not include purgeable organic carbon, which is removed along with the inorganic carbon interference. The POC contribution to TOC is considered to be negligible.

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	4021-023
State of Nevada	CA000792024-03	State of Oregon - NELAP	4021-023
EPA UCMR5	CA00079	State of Washington	C997-24

Sacramento

State of California - ELAP 1180-S1

San Bernardino

State of California - ELAP	1180-S2	Los Angeles CSD	9254478
NELAP certified	4119-008	State of Oregon - NELAP	4119-008

Vancouver

NELAP certified	WA100008-016	State of Oregon - NELAP	WA100008-016
State of Washington	C824-23		



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>Yes</u> No NA	Were correct containers and preservatives received for the tests requested?	<u>Yes</u> No NA
	If samples were taken today, is there evidence that chilling has begun?	Yes No <u>NA</u>	Bubbles Present VOAs (524.2/TTHM/TCP)?	Yes <u>No</u> NA
	Did all bottles arrive unbroken and intact?	<u>Yes</u> No	TB Received? (Check Method Below)	Yes <u>No</u> NA
	Did all bottle labels agree with COC?	<u>Yes</u> No	Was a sufficient amount of sample received?	<u>Yes</u> No
	Was sodium thiosulfate added to CN sample(s) until chlorine was no longer present?	Yes <u>NA</u>	Do samples have a hold time <72 hours?	Yes <u>No</u>
		Was PM notified of discrepancies? PM: _____ By/Time: _____	Yes No <u>NA</u>	

Bottles Received	250ml(A) 500ml(B) 1Liter(C) 40mlVOA(V) 125ml(D)	Checks*	Passed?							
	Bacti Na₂S₂O₃	—	—							
	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	—	—							
	Buffer pH 4 (CG)	—	—							
	H ₃ PO ₄ (CG) Salmon Label	—	—							
	Trizma - EPA 537.1 Light Blue Label FB	---	---							
	Ammonia Acetate - EPA 533 Purple Label FB	---	---							
	Bottled Water	—	—							
	Asbestos 1L (P) w/ Foil / LL Metals Bottle	—	—							
Clear Glass	—	—								
OTHER:	—	—								

Split	Container	Preservative	Lot #	Initials	Date/Time	Preservation	Check
	S P					pH Lot #	
	S P					Cl Lot #	

Comments	*Preservation check completed by lab performing analysis.	✓ Indicates Blanks Received
	Labeled by: _____	Labels Checked by: _____

504 ___ 524.2 ___ TTHM ___ 537/533 ___ TCP ___
 ✓ MS/MSD Received Method: _____

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



687 N. Laverne Ave., Fresno, CA 93727
 (559) 497-2888 CA ELAP No. 1180
 www.bskassociates.com

Temp: 10.4°C Thermometer ID: 77

Turnaround Time Request

Standard - 10 business days

Rush (Surcharge may apply)

Date needed: 2 DAY TAT!

*Required Fields



AHPD2080 Mader5465 04/12/2024

Company/Client Name:

City of Madera

1030 S. Gateway Drive

Madera

State: CA Zip: 93637-4728

Phone: 559-661-4900
 Fax:
 E-mail: mmendoza@madera.gov

Report Attention: Martin Mendoza
 Additional cc's:

Invoice To: Martin Mendoza
 PO#:

Project: Special Sampling

Reporting Options

Trace (J-Flag) Swamp EDD Type: _____

Sampler Name (Printed/Signature): Martin Mendoza

Regulatory Carbon Copies

SWRCB (Drinking Water)

Merced Co

Madera Co

Tulare Co

Other: Internal Purposes

Regulatory Compliance

EDT to California SWRCB (Drinking Water)

System Number: _____

Geotracker # _____

Matrix Types: SW=Surface Water BW=Boiled Water GW=Ground Water WW=Waste Water STW=Storm Water DW=Drinking Water SO=Solid

#	Sample Description*	Sampled*		Matrix*	Comments / Station Code / WTRAX
		Date	Time		
1	Water tower	4/12/24	7:35am	DW	
	EPA 524 VOCS - Trip Blank (Lot# _____)			Water	

Relinquished by (Signature and Printed Name)
 Martin Mendoza

Company
 City of Madera

Date
 4/12/24

Received by (Signature and Printed Name)
 [Signature]

Received for (Signature and Printed Name)

Company
 City of Madera

Date
 4/12/24

Received by (Signature and Printed Name)
 [Signature]

Shipping Method: GLS

UPS

FED EX

Amount: _____
 Chilling Process Begun: Y/N

Payment for services rendered is due within 30 days from the date invoice. If not so paid, account balances are deemed delinquent. Delinquent balances are subject to monthly service charges and interest specified in BSK's current Standard Terms and Conditions for Laboratory Services. The person signing for the Client/Company acknowledges that they are either the Client or an authorized agent to the Client that the Client agrees to be responsible for payment for the services on this Chain of Custody, and agrees to BSK's terms and conditions for laboratory services unless confidentially found otherwise. BSK's current terms and conditions can be found at www.bskassociates.com/BSKLAB/chainofcustody.pdf