



Protecting, Maintaining and Improving the Health of All Minnesotans

DATE: August 28, 2019 **PWSID:** 5020588
TO: Public Water Supply Owner/Operator **SYSTEM NAME:** Davinci Academy
FROM: Noncommunity Public Water Supply Unit
SUBJECT: Sample Analysis Results for Your Public Water Supply

Enclosed are the results of analyses performed on water samples collected from your public water supply. These results show that your system is in compliance with maximum contaminant levels set by the state and federal Safe Drinking Water Rules for the contaminants analyzed. These results must be kept in your files for a minimum of ten (10) years.

Analyses are enclosed for the contaminant groups checked below:

- | | |
|--|--|
| ☐ Coliform Bacteria | ☒ Volatile Organic |
| ☐ Nitrate | ☐ Synthetic Organic |
| ☐ Arsenic | ☐ Inorganic |
| ☐ DBP | |

If you have any questions concerning these results, please contact the MDH staff below:

BEMIDJI - 218/308-2100

- ☐ Ed Aletto
- ☐ Paul Felling
- ☐ Scott Gullicksrud
- ☐ Steve Lindgren
- ☐ Ty Riihiluoma

DULUTH - 218/302-6166

- ☐ Anita Anderson
- ☐ Nathan Karp
- ☐ Cordell Manz
- ☐ Larry Peterson
- ☐ Mark Peterson

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- ☐ Jill DeBrito
- ☐ Mike Hargiss
- ☐ Tony Mariotti
- ☐ Miles Schacher

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- ☐ Rhonda Johnson

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- ☐ Scott Jensen
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ST. CLOUD - 320/223-7300

- ☐ Eric Freihammer
- ☐ Kent Johnson
- ☐ Ernie Jorgensen
- ☐ Dave Schaff

ST. PAUL - 651/201-4700

- ☒ Ade Adefuye
- ☐ Brenda Eschenbacher
- ☐ Ezekiel Etukudo
- ☐ Kyle Johnsen
- ☐ James Witkowski

☐ CC:

Routine.Brown.Folder



Date Sent
AUG 28 2019
Drinking Water Protection

Minnesota Department of Health
Public Health Laboratory
Environmental Laboratory Section
601 Robert St. N., P.O. Box 64899
St. Paul, MN 55164-0899
651-201-5300

PWSID: 5020588
System Name: Davinci Academy
City: Ham Lake

Program Code: HW

Type: B

Date Received: 07/23/19 10:47
Rep. Temp. (°C): 11.7

Collector Name: Adesegun Adefuye
Collector ID: 5601

MDH Sample Number: 19G1579-01

Location ID: E01
Sampling Point: Well #1 EP
Field Number: 550

Collect Date: 07/23/19
Collect Time: 08:40
Matrix: Drinking Water

Field Residual Chlorine Result: None
Field Fluoride Result: None
Field pH Result: None
Field PO4 Result: None

Results were produced by the Minnesota Department of Health, except where noted.

VOCs by GCMS

Analyte	Result	Reporting Limit	Units	Batch	Prepared	Analyzed	Init.	Method	Qualifiers
1,1,1,2-Tetrachloroethane	<	0.20	ug/L	B9G0585	07/25/19 21:03	07/25/19 21:03	KCB	EPA 524.3	
1,1,1-Trichloroethane	<	0.20	ug/L	B9G0585	07/25/19 21:03	07/25/19 21:03	KCB	EPA 524.3	
1,1,2,2-Tetrachloroethane	<	0.20	ug/L	B9G0585	07/25/19 21:03	07/25/19 21:03	KCB	EPA 524.3	
1,1,2-Trichloroethane	<	0.20	ug/L	B9G0585	07/25/19 21:03	07/25/19 21:03	KCB	EPA 524.3	
1,1,2-Trichlorotrifluoroethane	<	0.20	ug/L	B9G0585	07/25/19 21:03	07/25/19 21:03	KCB	EPA 524.3	
1,1-Dichloroethane	<	0.20	ug/L	B9G0585	07/25/19 21:03	07/25/19 21:03	KCB	EPA 524.3	
1,1-Dichloroethene	<	0.50	ug/L	B9G0585	07/25/19 21:03	07/25/19 21:03	KCB	EPA 524.3	
1,1-Dichloropropene	<	0.20	ug/L	B9G0585	07/25/19 21:03	07/25/19 21:03	KCB	EPA 524.3	
1,2,3-Trichlorobenzene	<	1.0	ug/L	B9G0585	07/25/19 21:03	07/25/19 21:03	KCB	EPA 524.3	
1,2,3-Trichloropropane	<	0.50	ug/L	B9G0585	07/25/19 21:03	07/25/19 21:03	KCB	EPA 524.3	
1,2,4-Trichlorobenzene	<	0.50	ug/L	B9G0585	07/25/19 21:03	07/25/19 21:03	KCB	EPA 524.3	
1,2,4-Trimethylbenzene	<	0.50	ug/L	B9G0585	07/25/19 21:03	07/25/19 21:03	KCB	EPA 524.3	
1,2-Dibromo-3-chloropropane (DBCP)	<	2.0	ug/L	B9G0585	07/25/19 21:03	07/25/19 21:03	KCB	EPA 524.3	
1,2-Dibromoethane (EDB)	<	0.50	ug/L	B9G0585	07/25/19 21:03	07/25/19 21:03	KCB	EPA 524.3	
1,2-Dichlorobenzene	<	0.20	ug/L	B9G0585	07/25/19 21:03	07/25/19 21:03	KCB	EPA 524.3	
1,2-Dichloroethane	<	0.20	ug/L	B9G0585	07/25/19 21:03	07/25/19 21:03	KCB	EPA 524.3	
1,2-Dichloropropane	<	0.20	ug/L	B9G0585	07/25/19 21:03	07/25/19 21:03	KCB	EPA 524.3	
1,3,5-Trimethylbenzene	<	0.50	ug/L	B9G0585	07/25/19 21:03	07/25/19 21:03	KCB	EPA 524.3	
1,3-Dichlorobenzene	<	0.20	ug/L	B9G0585	07/25/19 21:03	07/25/19 21:03	KCB	EPA 524.3	
1,3-Dichloropropane	<	0.20	ug/L	B9G0585	07/25/19 21:03	07/25/19 21:03	KCB	EPA 524.3	
1,4-Dichlorobenzene	<	0.20	ug/L	B9G0585	07/25/19 21:03	07/25/19 21:03	KCB	EPA 524.3	
2,2-Dichloropropane	<	0.50	ug/L	B9G0585	07/25/19 21:03	07/25/19 21:03	KCB	EPA 524.3	
2-Chlorotoluene	<	0.50	ug/L	B9G0585	07/25/19 21:03	07/25/19 21:03	KCB	EPA 524.3	
4-Chlorotoluene	<	0.50	ug/L	B9G0585	07/25/19 21:03	07/25/19 21:03	KCB	EPA 524.3	
Acetone	<	20	ug/L	B9G0585	07/25/19 21:03	07/25/19 21:03	KCB	EPA 524.3	
Allyl chloride	<	0.50	ug/L	B9G0585	07/25/19 21:03	07/25/19 21:03	KCB	EPA 524.3	
Benzene	<	0.20	ug/L	B9G0585	07/25/19 21:03	07/25/19 21:03	KCB	EPA 524.3	
Bromobenzene	<	0.20	ug/L	B9G0585	07/25/19 21:03	07/25/19 21:03	KCB	EPA 524.3	

FINAL REPORT

Report ID: 07312019113310

Generated: 7/31/2019 11:33:04AM

Authorized by:

The results in this report apply only to the samples analyzed.
This report must not be reproduced, except in full, without the written approval of the laboratory.

Paul Moyer, Environmental Laboratory Manager
Public Health Laboratory, Minnesota Department of Health



Final Report

Minnesota Department of Health
Public Health Laboratory
Environmental Laboratory Section
601 Robert St. N., P.O. Box 64899
St. Paul, MN 55164-0899
651-201-5300

PWSID: 5020588

MDH Sample Number: 19G1579-01

Location ID: E01
Sampling Point: Well #1 EP
Field Number: 550

Collect Date: 07/23/19
Collect Time: 08:40
Matrix: Drinking Water

Field Residual Chlorine Result: None
Field Fluoride Result: None
Field pH Result: None
Field PO₄ Result: None

Results were produced by the Minnesota Department of Health, except where noted.

VOCs by GCMS - Continued

Analyte	Result	Reporting Limit	Units	Batch	Prepared	Analyzed	Init.	Method	Qualifiers
Bromochloromethane	<	0.50	ug/L	B9G0585	07/25/19 21:03	07/25/19 21:03	KCB	EPA 524.3	
Bromodichloromethane	<	0.20	ug/L	B9G0585	07/25/19 21:03	07/25/19 21:03	KCB	EPA 524.3	
Bromoform	<	0.50	ug/L	B9G0585	07/25/19 21:03	07/25/19 21:03	KCB	EPA 524.3	
Bromomethane	<	1.0	ug/L	B9G0585	07/25/19 21:03	07/25/19 21:03	KCB	EPA 524.3	
Carbon tetrachloride	<	0.20	ug/L	B9G0585	07/25/19 21:03	07/25/19 21:03	KCB	EPA 524.3	
Chlorobenzene	<	0.20	ug/L	B9G0585	07/25/19 21:03	07/25/19 21:03	KCB	EPA 524.3	
Chlorodibromomethane	<	0.50	ug/L	B9G0585	07/25/19 21:03	07/25/19 21:03	KCB	EPA 524.3	
Chloroethane	<	0.50	ug/L	B9G0585	07/25/19 21:03	07/25/19 21:03	KCB	EPA 524.3	
Chloroform	<	0.10	ug/L	B9G0585	07/25/19 21:03	07/25/19 21:03	KCB	EPA 524.3	
Chloromethane	<	1.0	ug/L	B9G0585	07/25/19 21:03	07/25/19 21:03	KCB	EPA 524.3	
cis-1,2-Dichloroethene	<	0.20	ug/L	B9G0585	07/25/19 21:03	07/25/19 21:03	KCB	EPA 524.3	
cis-1,3-Dichloropropene	<	0.20	ug/L	B9G0585	07/25/19 21:03	07/25/19 21:03	KCB	EPA 524.3	
Dibromomethane	<	0.50	ug/L	B9G0585	07/25/19 21:03	07/25/19 21:03	KCB	EPA 524.3	
Dichlorodifluoromethane	<	1.0	ug/L	B9G0585	07/25/19 21:03	07/25/19 21:03	KCB	EPA 524.3	
Dichlorofluoromethane	<	0.50	ug/L	B9G0585	07/25/19 21:03	07/25/19 21:03	KCB	EPA 524.3	
Ethyl ether	<	2.0	ug/L	B9G0585	07/25/19 21:03	07/25/19 21:03	KCB	EPA 524.3	
Ethylbenzene	<	0.50	ug/L	B9G0585	07/25/19 21:03	07/25/19 21:03	KCB	EPA 524.3	
Hexachlorobutadiene	<	1.0	ug/L	B9G0585	07/25/19 21:03	07/25/19 21:03	KCB	EPA 524.3	
Isopropylbenzene	<	0.50	ug/L	B9G0585	07/25/19 21:03	07/25/19 21:03	KCB	EPA 524.3	
Methyl ethyl ketone (MEK)	<	10	ug/L	B9G0585	07/25/19 21:03	07/25/19 21:03	KCB	EPA 524.3	
Methyl isobutyl ketone (MIBK)	<	5.0	ug/L	B9G0585	07/25/19 21:03	07/25/19 21:03	KCB	EPA 524.3	
Methyl tertiary butyl ether (MTBE)	<	2.0	ug/L	B9G0585	07/25/19 21:03	07/25/19 21:03	KCB	EPA 524.3	
Methylene chloride	<	0.50	ug/L	B9G0585	07/25/19 21:03	07/25/19 21:03	KCB	EPA 524.3	
Naphthalene	<	1.0	ug/L	B9G0585	07/25/19 21:03	07/25/19 21:03	KCB	EPA 524.3	
n-Butylbenzene	<	0.50	ug/L	B9G0585	07/25/19 21:03	07/25/19 21:03	KCB	EPA 524.3	
n-Propylbenzene	<	0.50	ug/L	B9G0585	07/25/19 21:03	07/25/19 21:03	KCB	EPA 524.3	
o-Xylene	<	0.20	ug/L	B9G0585	07/25/19 21:03	07/25/19 21:03	KCB	EPA 524.3	
p&m-Xylene	<	0.30	ug/L	B9G0585	07/25/19 21:03	07/25/19 21:03	KCB	EPA 524.3	
p-Isopropyltoluene	<	0.50	ug/L	B9G0585	07/25/19 21:03	07/25/19 21:03	KCB	EPA 524.3	
sec-Butylbenzene	<	0.50	ug/L	B9G0585	07/25/19 21:03	07/25/19 21:03	KCB	EPA 524.3	
Styrene	<	0.50	ug/L	B9G0585	07/25/19 21:03	07/25/19 21:03	KCB	EPA 524.3	
tert-Butylbenzene	<	0.50	ug/L	B9G0585	07/25/19 21:03	07/25/19 21:03	KCB	EPA 524.3	
Tetrachloroethene	<	0.20	ug/L	B9G0585	07/25/19 21:03	07/25/19 21:03	KCB	EPA 524.3	
Tetrahydrofuran (THF)	<	10	ug/L	B9G0585	07/25/19 21:03	07/25/19 21:03	KCB	EPA 524.3	
Toluene	<	0.20	ug/L	B9G0585	07/25/19 21:03	07/25/19 21:03	KCB	EPA 524.3	
trans-1,2-Dichloroethene	<	0.10	ug/L	B9G0585	07/25/19 21:03	07/25/19 21:03	KCB	EPA 524.3	
trans-1,3-Dichloropropene	<	0.20	ug/L	B9G0585	07/25/19 21:03	07/25/19 21:03	KCB	EPA 524.3	
Trichloroethene (TCE)	<	0.10	ug/L	B9G0585	07/25/19 21:03	07/25/19 21:03	KCB	EPA 524.3	

FINAL REPORT

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Authorized by:

Paul Moyer, Environmental Laboratory Manager
Public Health Laboratory, Minnesota Department of Health

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Final Report

Minnesota Department of Health
Public Health Laboratory
Environmental Laboratory Section
601 Robert St. N., P.O. Box 64899
St. Paul, MN 55164-0899
651-201-5300

PWSID: 5020588

MDH Sample Number: 19G1579-01

Location ID: E01
Sampling Point: Well #1 EP
Field Number: 550

Collect Date: 07/23/19
Collect Time: 08:40
Matrix: Drinking Water

Field Residual Chlorine Result: None
Field Fluoride Result: None
Field pH Result: None
Field PO4 Result: None

Results were produced by the Minnesota Department of Health, except where noted.

VOCs by GCMS - Continued

Analyte	Result	Reporting Limit	Units	Batch	Prepared	Analyzed	Init.	Method	Qualifiers
Trichlorofluoromethane	<	0.50	ug/L	B9G0585	07/25/19 21:03	07/25/19 21:03	KCB	EPA 524.3	
Vinyl chloride	<	0.20	ug/L	B9G0585	07/25/19 21:03	07/25/19 21:03	KCB	EPA 524.3	
Surrogate: 1,2-Dichlorobenzene-d4	102	70-130	%	B9G0585	07/25/19 21:03	07/25/19 21:03	KCB	EPA 524.3	
Surrogate: 4-Bromofluorobenzene	97	70-130	%	B9G0585	07/25/19 21:03	07/25/19 21:03	KCB	EPA 524.3	
Surrogate: Methyl tertiary butyl ether-d3	109	70-130	%	B9G0585	07/25/19 21:03	07/25/19 21:03	KCB	EPA 524.3	

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Paul Moyer, Environmental Laboratory Manager
Public Health Laboratory, Minnesota Department of Health

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Final Report

Minnesota Department of Health
Public Health Laboratory
Environmental Laboratory Section
601 Robert St. N., P.O. Box 64899
St. Paul, MN 55164-0899
651-201-5300

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A handwritten signature in black ink, appearing to read "Paul Moyer", is written over a horizontal line.

Paul Moyer, Environmental Laboratory Manager
Public Health Laboratory, Minnesota Department of Health



Final Report

Minnesota Department of Health
Public Health Laboratory
Environmental Laboratory Section
601 Robert St. N., P.O. Box 64899
St. Paul, MN 55164-0899
651-201-5300

PWSID: 5020588

MDH Sample Number: 19G1579-02

Location ID: None
Sampling Point: Trip Blanks

Collect Date: 07/23/19
Collect Time: 08:40
Matrix: Drinking Water

Field Residual Chlorine Result: None
Field Fluoride Result: None
Field pH Result: None
Field PO4 Result: None

Results were produced by the Minnesota Department of Health, except where noted.

VOCs by GCMS

Analyte	Result	Reporting Limit	Units	Batch	Prepared	Analyzed	Init.	Method	Qualifiers
1,1,1,2-Tetrachloroethane	<	0.20	ug/L	B9G0585	07/25/19 19:00	07/25/19 19:00	KCB	EPA 524.3	
1,1,1-Trichloroethane	<	0.20	ug/L	B9G0585	07/25/19 19:00	07/25/19 19:00	KCB	EPA 524.3	
1,1,2,2-Tetrachloroethane	<	0.20	ug/L	B9G0585	07/25/19 19:00	07/25/19 19:00	KCB	EPA 524.3	
1,1,2-Trichloroethane	<	0.20	ug/L	B9G0585	07/25/19 19:00	07/25/19 19:00	KCB	EPA 524.3	
1,1,2-Trichlorotrifluoroethane	<	0.20	ug/L	B9G0585	07/25/19 19:00	07/25/19 19:00	KCB	EPA 524.3	
1,1-Dichloroethane	<	0.20	ug/L	B9G0585	07/25/19 19:00	07/25/19 19:00	KCB	EPA 524.3	
1,1-Dichloroethene	<	0.50	ug/L	B9G0585	07/25/19 19:00	07/25/19 19:00	KCB	EPA 524.3	
1,1-Dichloropropene	<	0.20	ug/L	B9G0585	07/25/19 19:00	07/25/19 19:00	KCB	EPA 524.3	
1,2,3-Trichlorobenzene	<	1.0	ug/L	B9G0585	07/25/19 19:00	07/25/19 19:00	KCB	EPA 524.3	
1,2,3-Trichloropropane	<	0.50	ug/L	B9G0585	07/25/19 19:00	07/25/19 19:00	KCB	EPA 524.3	
1,2,4-Trichlorobenzene	<	0.50	ug/L	B9G0585	07/25/19 19:00	07/25/19 19:00	KCB	EPA 524.3	
1,2,4-Trimethylbenzene	<	0.50	ug/L	B9G0585	07/25/19 19:00	07/25/19 19:00	KCB	EPA 524.3	
1,2-Dibromo-3-chloropropane (DBCP)	<	2.0	ug/L	B9G0585	07/25/19 19:00	07/25/19 19:00	KCB	EPA 524.3	
1,2-Dibromoethane (EDB)	<	0.50	ug/L	B9G0585	07/25/19 19:00	07/25/19 19:00	KCB	EPA 524.3	
2-Dichlorobenzene	<	0.20	ug/L	B9G0585	07/25/19 19:00	07/25/19 19:00	KCB	EPA 524.3	
1,2-Dichloroethane	<	0.20	ug/L	B9G0585	07/25/19 19:00	07/25/19 19:00	KCB	EPA 524.3	
1,2-Dichloropropane	<	0.20	ug/L	B9G0585	07/25/19 19:00	07/25/19 19:00	KCB	EPA 524.3	
1,3,5-Trimethylbenzene	<	0.50	ug/L	B9G0585	07/25/19 19:00	07/25/19 19:00	KCB	EPA 524.3	
1,3-Dichlorobenzene	<	0.20	ug/L	B9G0585	07/25/19 19:00	07/25/19 19:00	KCB	EPA 524.3	
1,3-Dichloropropane	<	0.20	ug/L	B9G0585	07/25/19 19:00	07/25/19 19:00	KCB	EPA 524.3	
1,4-Dichlorobenzene	<	0.20	ug/L	B9G0585	07/25/19 19:00	07/25/19 19:00	KCB	EPA 524.3	
2,2-Dichloropropane	<	0.50	ug/L	B9G0585	07/25/19 19:00	07/25/19 19:00	KCB	EPA 524.3	
2-Chlorotoluene	<	0.50	ug/L	B9G0585	07/25/19 19:00	07/25/19 19:00	KCB	EPA 524.3	
4-Chlorotoluene	<	0.50	ug/L	B9G0585	07/25/19 19:00	07/25/19 19:00	KCB	EPA 524.3	
Acetone	<	20	ug/L	B9G0585	07/25/19 19:00	07/25/19 19:00	KCB	EPA 524.3	
Allyl chloride	<	0.50	ug/L	B9G0585	07/25/19 19:00	07/25/19 19:00	KCB	EPA 524.3	
Benzene	<	0.20	ug/L	B9G0585	07/25/19 19:00	07/25/19 19:00	KCB	EPA 524.3	
Bromobenzene	<	0.20	ug/L	B9G0585	07/25/19 19:00	07/25/19 19:00	KCB	EPA 524.3	
Bromochloromethane	<	0.50	ug/L	B9G0585	07/25/19 19:00	07/25/19 19:00	KCB	EPA 524.3	
Bromodichloromethane	<	0.20	ug/L	B9G0585	07/25/19 19:00	07/25/19 19:00	KCB	EPA 524.3	
Bromoform	<	0.50	ug/L	B9G0585	07/25/19 19:00	07/25/19 19:00	KCB	EPA 524.3	
Bromomethane	<	1.0	ug/L	B9G0585	07/25/19 19:00	07/25/19 19:00	KCB	EPA 524.3	
Carbon tetrachloride	<	0.20	ug/L	B9G0585	07/25/19 19:00	07/25/19 19:00	KCB	EPA 524.3	
Chlorobenzene	<	0.20	ug/L	B9G0585	07/25/19 19:00	07/25/19 19:00	KCB	EPA 524.3	
Chlorodibromomethane	<	0.50	ug/L	B9G0585	07/25/19 19:00	07/25/19 19:00	KCB	EPA 524.3	
Chloroethane	<	0.50	ug/L	B9G0585	07/25/19 19:00	07/25/19 19:00	KCB	EPA 524.3	
Chloroform	<	0.10	ug/L	B9G0585	07/25/19 19:00	07/25/19 19:00	KCB	EPA 524.3	
Chloromethane	<	1.0	ug/L	B9G0585	07/25/19 19:00	07/25/19 19:00	KCB	EPA 524.3	

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601 Robert St. N., P.O. Box 64899
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651-201-5300

PWSID: 5020588

MDH Sample Number: 19G1579-02

Location ID: None
Sampling Point: Trip Blanks

Collect Date: 07/23/19
Collect Time: 08:40
Matrix: Drinking Water

Field Residual Chlorine Result: None
Field Fluoride Result: None
Field pH Result: None
Field PO₄ Result: None

Results were produced by the Minnesota Department of Health, except where noted.

VOCs by GCMS - Continued

Analyte	Result	Reporting Limit	Units	Batch	Prepared	Analyzed	Init.	Method	Qualifiers
cis-1,2-Dichloroethene	<	0.20	ug/L	B9G0585	07/25/19 19:00	07/25/19 19:00	KCB	EPA 524.3	
cis-1,3-Dichloropropene	<	0.20	ug/L	B9G0585	07/25/19 19:00	07/25/19 19:00	KCB	EPA 524.3	
Dibromomethane	<	0.50	ug/L	B9G0585	07/25/19 19:00	07/25/19 19:00	KCB	EPA 524.3	
Dichlorodifluoromethane	<	1.0	ug/L	B9G0585	07/25/19 19:00	07/25/19 19:00	KCB	EPA 524.3	
Dichlorofluoromethane	<	0.50	ug/L	B9G0585	07/25/19 19:00	07/25/19 19:00	KCB	EPA 524.3	
Ethyl ether	<	2.0	ug/L	B9G0585	07/25/19 19:00	07/25/19 19:00	KCB	EPA 524.3	
Ethylbenzene	<	0.50	ug/L	B9G0585	07/25/19 19:00	07/25/19 19:00	KCB	EPA 524.3	
Hexachlorobutadiene	<	1.0	ug/L	B9G0585	07/25/19 19:00	07/25/19 19:00	KCB	EPA 524.3	
Isopropylbenzene	<	0.50	ug/L	B9G0585	07/25/19 19:00	07/25/19 19:00	KCB	EPA 524.3	
Methyl ethyl ketone (MEK)	<	10	ug/L	B9G0585	07/25/19 19:00	07/25/19 19:00	KCB	EPA 524.3	
Methyl isobutyl ketone (MIBK)	<	5.0	ug/L	B9G0585	07/25/19 19:00	07/25/19 19:00	KCB	EPA 524.3	
Methyl tertiary butyl ether (MTBE)	<	2.0	ug/L	B9G0585	07/25/19 19:00	07/25/19 19:00	KCB	EPA 524.3	
Methylene chloride	<	0.50	ug/L	B9G0585	07/25/19 19:00	07/25/19 19:00	KCB	EPA 524.3	
Naphthalene	<	1.0	ug/L	B9G0585	07/25/19 19:00	07/25/19 19:00	KCB	EPA 524.3	
n-Butylbenzene	<	0.50	ug/L	B9G0585	07/25/19 19:00	07/25/19 19:00	KCB	EPA 524.3	
n-Propylbenzene	<	0.50	ug/L	B9G0585	07/25/19 19:00	07/25/19 19:00	KCB	EPA 524.3	
o-Xylene	<	0.20	ug/L	B9G0585	07/25/19 19:00	07/25/19 19:00	KCB	EPA 524.3	
p&m-Xylene	<	0.30	ug/L	B9G0585	07/25/19 19:00	07/25/19 19:00	KCB	EPA 524.3	
p-Isopropyltoluene	<	0.50	ug/L	B9G0585	07/25/19 19:00	07/25/19 19:00	KCB	EPA 524.3	
sec-Butylbenzene	<	0.50	ug/L	B9G0585	07/25/19 19:00	07/25/19 19:00	KCB	EPA 524.3	
Styrene	<	0.50	ug/L	B9G0585	07/25/19 19:00	07/25/19 19:00	KCB	EPA 524.3	
tert-Butylbenzene	<	0.50	ug/L	B9G0585	07/25/19 19:00	07/25/19 19:00	KCB	EPA 524.3	
Tetrachloroethene	<	0.20	ug/L	B9G0585	07/25/19 19:00	07/25/19 19:00	KCB	EPA 524.3	
Tetrahydrofuran (THF)	<	10	ug/L	B9G0585	07/25/19 19:00	07/25/19 19:00	KCB	EPA 524.3	
Toluene	<	0.20	ug/L	B9G0585	07/25/19 19:00	07/25/19 19:00	KCB	EPA 524.3	
trans-1,2-Dichloroethene	<	0.10	ug/L	B9G0585	07/25/19 19:00	07/25/19 19:00	KCB	EPA 524.3	
trans-1,3-Dichloropropene	<	0.20	ug/L	B9G0585	07/25/19 19:00	07/25/19 19:00	KCB	EPA 524.3	
Trichloroethene (TCE)	<	0.10	ug/L	B9G0585	07/25/19 19:00	07/25/19 19:00	KCB	EPA 524.3	
Trichlorofluoromethane	<	0.50	ug/L	B9G0585	07/25/19 19:00	07/25/19 19:00	KCB	EPA 524.3	
Vinyl chloride	<	0.20	ug/L	B9G0585	07/25/19 19:00	07/25/19 19:00	KCB	EPA 524.3	
Surrogate: 1,2-Dichlorobenzene-d4	100	70-130	%	B9G0585	07/25/19 19:00	07/25/19 19:00	KCB	EPA 524.3	
Surrogate: 4-Bromofluorobenzene	103	70-130	%	B9G0585	07/25/19 19:00	07/25/19 19:00	KCB	EPA 524.3	
Surrogate: Methyl tertiary butyl ether-d3	106	70-130	%	B9G0585	07/25/19 19:00	07/25/19 19:00	KCB	EPA 524.3	

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Authorized by:

Paul Moyer, Environmental Laboratory Manager
Public Health Laboratory, Minnesota Department of Health

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Final Report

Minnesota Department of Health
Public Health Laboratory
Environmental Laboratory Section
601 Robert St. N., P.O. Box 64899
St. Paul, MN 55164-0899
651-201-5300

PWSID: 5020588

Results were produced by Minnesota Department of Health, except where noted.

Batch B9G0585 - EPA 524 Prep

Blank (B9G0585-BLK1)

Prepared: 07/25/19 11:49 Analyzed: 07/25/19 11:49

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Init.	Qualifiers
1,1,1,2-Tetrachloroethane	<	0.20	ug/L							KCB	
1,1,1-Trichloroethane	<	0.20	ug/L							KCB	
1,1,2,2-Tetrachloroethane	<	0.20	ug/L							KCB	
1,1,2-Trichloroethane	<	0.20	ug/L							KCB	
1,1,2-Trichlorotrifluoroethane	<	0.20	ug/L							KCB	
1,1-Dichloroethane	<	0.20	ug/L							KCB	
1,1-Dichloroethene	<	0.50	ug/L							KCB	
1,1-Dichloropropene	<	0.20	ug/L							KCB	
1,2,3-Trichlorobenzene	<	1.0	ug/L							KCB	
1,2,3-Trichloropropane	<	0.50	ug/L							KCB	
1,2,4-Trichlorobenzene	<	0.50	ug/L							KCB	
1,2,4-Trimethylbenzene	<	0.50	ug/L							KCB	
1,2-Dibromo-3-chloropropane (DBCP)	<	2.0	ug/L							KCB	
1,2-Dibromoethane (EDB)	<	0.50	ug/L							KCB	
1,2-Dichlorobenzene	<	0.20	ug/L							KCB	
1,2-Dichloroethane	<	0.20	ug/L							KCB	
1,2-Dichloropropane	<	0.20	ug/L							KCB	
1,3,5-Trimethylbenzene	<	0.50	ug/L							KCB	
1,3-Dichlorobenzene	<	0.20	ug/L							KCB	
1,3-Dichloropropane	<	0.20	ug/L							KCB	
1,4-Dichlorobenzene	<	0.20	ug/L							KCB	
2,2-Dichloropropane	<	0.50	ug/L							KCB	
2-Chlorotoluene	<	0.50	ug/L							KCB	
4-Chlorotoluene	<	0.50	ug/L							KCB	
Acetone	<	20	ug/L							KCB	
Allyl chloride	<	0.50	ug/L							KCB	
Benzene	<	0.20	ug/L							KCB	
Bromobenzene	<	0.20	ug/L							KCB	
Bromochloromethane	<	0.50	ug/L							KCB	
Bromodichloromethane	<	0.20	ug/L							KCB	
Bromoform	<	0.50	ug/L							KCB	
Bromomethane	<	1.0	ug/L							KCB	
Carbon tetrachloride	<	0.20	ug/L							KCB	
Chlorobenzene	<	0.20	ug/L							KCB	
Chlorodibromomethane	<	0.50	ug/L							KCB	
Chloroethane	<	0.50	ug/L							KCB	
Chloroform	<	0.10	ug/L							KCB	
Chloromethane	<	1.0	ug/L							KCB	
cis-1,2-Dichloroethene	<	0.20	ug/L							KCB	

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Batch B9G0585 - EPA 524 Prep

Blank (B9G0585-BLK1)

Prepared: 07/25/19 11:49 Analyzed: 07/25/19 11:49

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Init.	Qualifiers
cis-1,3-Dichloropropene	<	0.20	ug/L							KCB	
Dibromomethane	<	0.50	ug/L							KCB	
Dichlorodifluoromethane	<	1.0	ug/L							KCB	
Dichlorofluoromethane	<	0.50	ug/L							KCB	
Ethyl ether	<	2.0	ug/L							KCB	
Ethylbenzene	<	0.50	ug/L							KCB	
Hexachlorobutadiene	<	1.0	ug/L							KCB	
Isopropylbenzene	<	0.50	ug/L							KCB	
Methyl ethyl ketone (MEK)	<	10	ug/L							KCB	
Methyl isobutyl ketone (MIBK)	<	5.0	ug/L							KCB	
Methyl tertiary butyl ether (MTBE)	<	2.0	ug/L							KCB	
Methylene chloride	<	0.50	ug/L							KCB	
Naphthalene	<	1.0	ug/L							KCB	
n-Butylbenzene	<	0.50	ug/L							KCB	
n-Propylbenzene	<	0.50	ug/L							KCB	
o-Xylene	<	0.20	ug/L							KCB	
p&m-Xylene	<	0.30	ug/L							KCB	
p-Isopropyltoluene	<	0.50	ug/L							KCB	
sec-Butylbenzene	<	0.50	ug/L							KCB	
Styrene	<	0.50	ug/L							KCB	
tert-Butylbenzene	<	0.50	ug/L							KCB	
Tetrachloroethene	<	0.20	ug/L							KCB	
Tetrahydrofuran (THF)	<	10	ug/L							KCB	
Toluene	<	0.20	ug/L							KCB	
trans-1,2-Dichloroethene	<	0.10	ug/L							KCB	
trans-1,3-Dichloropropene	<	0.20	ug/L							KCB	
Trichloroethene (TCE)	<	0.10	ug/L							KCB	
Trichlorofluoromethane	<	0.50	ug/L							KCB	
Vinyl chloride	<	0.20	ug/L							KCB	
Surrogate: 1,2-Dichlorobenzene-d4	98	70-130	%	10						KCB	
Surrogate: 4-Bromofluorobenzene	102	70-130	%	10						KCB	
Surrogate: Methyl tertiary butyl ether-d3	105	70-130	%	10						KCB	

FINAL REPORT

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Public Health Laboratory, Minnesota Department of Health

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Environmental Laboratory Section
601 Robert St. N., P.O. Box 64899
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651-201-5300

PWSID: 5020588

Results were produced by Minnesota Department of Health, except where noted.

Batch B9G0585 - EPA 524 Prep

LCS (B9G0585-BS1)

Prepared: 07/25/19 17:28 Analyzed: 07/25/19 17:28

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Init.	Qualifiers
1,1,1,2-Tetrachloroethane	4.6	0.20	ug/L	4		115	70-130			KCB	
1,1,1-Trichloroethane	4.7	0.20	ug/L	4		118	70-130			KCB	
1,1,2,2-Tetrachloroethane	4.3	0.20	ug/L	4		108	70-130			KCB	
1,1,2-Trichloroethane	4.6	0.20	ug/L	4		115	70-130			KCB	
1,1,2-Trichlorotrifluoroethane	4.7	0.20	ug/L	4		118	70-130			KCB	
1,1-Dichloroethane	4.7	0.20	ug/L	4		118	70-130			KCB	
1,1-Dichloroethene	4.7	0.50	ug/L	4		118	70-130			KCB	
1,1-Dichloropropene	4.7	0.20	ug/L	4		118	70-130			KCB	
1,2,3-Trichlorobenzene	4.1	1.0	ug/L	4		103	70-130			KCB	
1,2,3-Trichloropropane	4.4	0.50	ug/L	4		110	70-130			KCB	
1,2,4-Trichlorobenzene	4.2	0.50	ug/L	4		106	70-130			KCB	
1,2,4-Trimethylbenzene	4.3	0.50	ug/L	4		108	70-130			KCB	
1,2-Dibromo-3-chloropropane (DBCP)	4.6	2.0	ug/L	4		116	70-130			KCB	
1,2-Dibromoethane (EDB)	4.6	0.50	ug/L	4		116	70-130			KCB	
1,2-Dichlorobenzene	4.1	0.20	ug/L	4		102	70-130			KCB	
1,2-Dichloroethane	4.7	0.20	ug/L	4		116	70-130			KCB	
1,2-Dichloropropane	4.5	0.20	ug/L	4		112	70-130			KCB	
1,3,5-Trimethylbenzene	4.3	0.50	ug/L	4		108	70-130			KCB	
1,3-Dichlorobenzene	4.2	0.20	ug/L	4		105	70-130			KCB	
1,3-Dichloropropane	4.6	0.20	ug/L	4		115	70-130			KCB	
1,4-Dichlorobenzene	4.3	0.20	ug/L	4		106	70-130			KCB	
2,2-Dichloropropane	4.6	0.50	ug/L	4		116	70-130			KCB	
2-Chlorotoluene	4.2	0.50	ug/L	4		106	70-130			KCB	
4-Chlorotoluene	4.2	0.50	ug/L	4		106	70-130			KCB	
Acetone	49	20	ug/L	40		123	70-130			KCB	
Allyl chloride	4.6	0.50	ug/L	4		114	70-130			KCB	
Benzene	4.4	0.20	ug/L	4		110	70-130			KCB	
Bromobenzene	4.2	0.20	ug/L	4		104	70-130			KCB	
Bromochloromethane	4.4	0.50	ug/L	4		110	70-130			KCB	
Bromodichloromethane	4.6	0.20	ug/L	4		115	70-130			KCB	
Bromoform	4.4	0.50	ug/L	4		111	70-130			KCB	
Bromomethane	4.7	1.0	ug/L	4		118	70-130			KCB	
Carbon tetrachloride	4.9	0.20	ug/L	4		122	70-130			KCB	
Chlorobenzene	4.4	0.20	ug/L	4		111	70-130			KCB	
Chlorodibromomethane	4.5	0.50	ug/L	4		113	70-130			KCB	
Chloroethane	4.8	0.50	ug/L	4		120	70-130			KCB	
Chloroform	4.6	0.10	ug/L	4		116	70-130			KCB	
Chloromethane	4.5	1.0	ug/L	4		112	70-130			KCB	
cis-1,2-Dichloroethene	4.5	0.20	ug/L	4		112	70-130			KCB	
cis-1,3-Dichloropropene	4.5	0.20	ug/L	4		112	70-130			KCB	

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Public Health Laboratory, Minnesota Department of Health

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651-201-5300

PWSID: 5020588

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Batch B9G0585 - EPA 524 Prep

LCS (B9G0585-BS1)

Prepared: 07/25/19 17:28 Analyzed: 07/25/19 17:28

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Init.	Qualifiers
Dibromomethane	4.6	0.50	ug/L	4		115	70-130			KCB	
Dichlorodifluoromethane	3.8	1.0	ug/L	4		96	70-130			KCB	
Dichlorofluoromethane	4.8	0.50	ug/L	4		119	70-130			KCB	
Ethyl ether	4.4	2.0	ug/L	4		111	70-130			KCB	
Ethylbenzene	4.6	0.50	ug/L	4		115	70-130			KCB	
Hexachlorobutadiene	3.9	1.0	ug/L	4		97	70-130			KCB	
Isopropylbenzene	4.8	0.50	ug/L	4		119	70-130			KCB	
Methyl ethyl ketone (MEK)	23	10	ug/L	20		116	70-130			KCB	
Methyl isobutyl ketone (MIBK)	25	5.0	ug/L	20		127	70-130			KCB	
Methyl tertiary butyl ether (MTBE)	4.6	2.0	ug/L	4		114	70-130			KCB	
Methylene chloride	4.9	0.50	ug/L	4		122	70-130			KCB	
Naphthalene	4.0	1.0	ug/L	4		101	70-130			KCB	
n-Butylbenzene	4.3	0.50	ug/L	4		108	70-130			KCB	
n-Propylbenzene	4.4	0.50	ug/L	4		110	70-130			KCB	
o-Xylene	4.5	0.20	ug/L	4		113	70-130			KCB	
p&m-Xylene	4.5	0.30	ug/L	4		114	70-130			KCB	
p-Isopropyltoluene	4.5	0.50	ug/L	4		112	70-130			KCB	
sec-Butylbenzene	4.5	0.50	ug/L	4		112	70-130			KCB	
Styrene	4.5	0.50	ug/L	4		114	70-130			KCB	
tert-Butylbenzene	4.4	0.50	ug/L	4		110	70-130			KCB	
Tetrachloroethene	4.6	0.20	ug/L	4		115	70-130			KCB	
Tetrahydrofuran (THF)	47	10	ug/L	40		118	70-130			KCB	
Toluene	4.5	0.20	ug/L	4		114	70-130			KCB	
trans-1,2-Dichloroethene	4.5	0.10	ug/L	4		114	70-130			KCB	
trans-1,3-Dichloropropene	4.8	0.20	ug/L	4		119	70-130			KCB	
Trichloroethene (TCE)	4.4	0.10	ug/L	4		110	70-130			KCB	
Trichlorofluoromethane	5.0	0.50	ug/L	4		125	70-130			KCB	
Vinyl chloride	4.7	0.20	ug/L	4		118	70-130			KCB	
Surrogate: 1,2-Dichlorobenzene-d4	100	70-130	%	10						KCB	
Surrogate: 4-Bromofluorobenzene	96	70-130	%	10						KCB	
Surrogate: Methyl tertiary butyl ether-d3	107	70-130	%	10						KCB	

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651-201-5300

PWSID: 5020588

Results were produced by Minnesota Department of Health, except where noted.

Batch B9G0585 - EPA 524 Prep

Duplicate (B9G0585-DUP1)

Source: 19G1588-01

Prepared: 07/25/19 22:05 Analyzed: 07/25/19 22:05

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Init.	Qualifiers
1,1,1,2-Tetrachloroethane	<	0.20	ug/L		<				30	KCB	
1,1,1-Trichloroethane	<	0.20	ug/L		<				30	KCB	
1,1,2,2-Tetrachloroethane	<	0.20	ug/L		<				30	KCB	
1,1,2-Trichloroethane	<	0.20	ug/L		<				30	KCB	
1,1,2-Trichlorotrifluoroethane	<	0.20	ug/L		<				30	KCB	
1,1-Dichloroethane	<	0.20	ug/L		<				30	KCB	
1,1-Dichloroethene	<	0.50	ug/L		<				30	KCB	
1,1-Dichloropropene	<	0.20	ug/L		<				30	KCB	
1,2,3-Trichlorobenzene	<	1.0	ug/L		<				30	KCB	
1,2,3-Trichloropropane	<	0.50	ug/L		<				30	KCB	
1,2,4-Trichlorobenzene	<	0.50	ug/L		<				30	KCB	
1,2,4-Trimethylbenzene	<	0.50	ug/L		<				30	KCB	
1,2-Dibromo-3-chloropropane (DBCP)	<	2.0	ug/L		<				30	KCB	
1,2-Dibromoethane (EDB)	<	0.50	ug/L		<				30	KCB	
1,2-Dichlorobenzene	<	0.20	ug/L		<				30	KCB	
1,2-Dichloroethane	<	0.20	ug/L		<				30	KCB	
1,2-Dichloropropane	<	0.20	ug/L		<				30	KCB	
1,3,5-Trimethylbenzene	<	0.50	ug/L		<				30	KCB	
1,3-Dichlorobenzene	<	0.20	ug/L		<				30	KCB	
1,3-Dichloropropane	<	0.20	ug/L		<				30	KCB	
1,4-Dichlorobenzene	<	0.20	ug/L		<				30	KCB	
2,2-Dichloropropane	<	0.50	ug/L		<				30	KCB	
2-Chlorotoluene	<	0.50	ug/L		<				30	KCB	
4-Chlorotoluene	<	0.50	ug/L		<				30	KCB	
Acetone	<	20	ug/L		<				30	KCB	
Allyl chloride	<	0.50	ug/L		<				30	KCB	
Benzene	<	0.20	ug/L		<				30	KCB	
Bromobenzene	<	0.20	ug/L		<				30	KCB	
Bromochloromethane	<	0.50	ug/L		<				30	KCB	
Bromodichloromethane	<	0.20	ug/L		<				30	KCB	
Bromoform	<	0.50	ug/L		<				30	KCB	
Bromomethane	<	1.0	ug/L		<				30	KCB	
Carbon tetrachloride	<	0.20	ug/L		<				30	KCB	
Chlorobenzene	<	0.20	ug/L		<				30	KCB	
Chlorodibromomethane	<	0.50	ug/L		<				30	KCB	
Chloroethane	<	0.50	ug/L		<				30	KCB	
Chloroform	<	0.10	ug/L		<				30	KCB	
Chloromethane	<	1.0	ug/L		<				30	KCB	
cis-1,2-Dichloroethene	<	0.20	ug/L		<				30	KCB	
cis-1,3-Dichloropropene	<	0.20	ug/L		<				30	KCB	

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Paul Moyer, Environmental Laboratory Manager
Public Health Laboratory, Minnesota Department of Health

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Minnesota Department of Health
Public Health Laboratory
Environmental Laboratory Section
601 Robert St. N., P.O. Box 64899
St. Paul, MN 55164-0899
651-201-5300

PWSID: 5020588

Results were produced by Minnesota Department of Health, except where noted.

Batch B9G0585 - EPA 524 Prep

Duplicate (B9G0585-DUP1)

Source: 19G1588-01

Prepared: 07/25/19 22:05 Analyzed: 07/25/19 22:05

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Init.	Qualifiers
Dibromomethane	<	0.50	ug/L		<				30	KCB	
Dichlorodifluoromethane	<	1.0	ug/L		<				30	KCB	
Dichlorofluoromethane	<	0.50	ug/L		<				30	KCB	
Ethyl ether	<	2.0	ug/L		<				30	KCB	
Ethylbenzene	<	0.50	ug/L		<				30	KCB	
Hexachlorobutadiene	<	1.0	ug/L		<				30	KCB	
Isopropylbenzene	<	0.50	ug/L		<				30	KCB	
Methyl ethyl ketone (MEK)	<	10	ug/L		<				30	KCB	
Methyl isobutyl ketone (MIBK)	<	5.0	ug/L		<				30	KCB	
Methyl tertiary butyl ether (MTBE)	<	2.0	ug/L		<				30	KCB	
Methylene chloride	<	0.50	ug/L		<				30	KCB	
Naphthalene	<	1.0	ug/L		<				30	KCB	
n-Butylbenzene	<	0.50	ug/L		<				30	KCB	
n-Propylbenzene	<	0.50	ug/L		<				30	KCB	
o-Xylene	<	0.20	ug/L		<				30	KCB	
p&m-Xylene	<	0.30	ug/L		<				30	KCB	
p-Isopropyltoluene	<	0.50	ug/L		<				30	KCB	
sec-Butylbenzene	<	0.50	ug/L		<				30	KCB	
Styrene	<	0.50	ug/L		<				30	KCB	
tert-Butylbenzene	<	0.50	ug/L		<				30	KCB	
Tetrachloroethene	<	0.20	ug/L		<				30	KCB	
Tetrahydrofuran (THF)	<	10	ug/L		<				30	KCB	
Toluene	<	0.20	ug/L		<				30	KCB	
trans-1,2-Dichloroethene	<	0.10	ug/L		<				30	KCB	
trans-1,3-Dichloropropene	<	0.20	ug/L		<				30	KCB	
Trichloroethene (TCE)	<	0.10	ug/L		<				30	KCB	
Trichlorofluoromethane	<	0.50	ug/L		<				30	KCB	
Vinyl chloride	<	0.20	ug/L		<				30	KCB	
Surrogate: 1,2-Dichlorobenzene-d4	102	70-130	%	10						KCB	
Surrogate: 4-Bromofluorobenzene	102	70-130	%	10						KCB	
Surrogate: Methyl tertiary butyl ether-d3	108	70-130	%	10						KCB	

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PWSID: 5020588

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Batch B9G0585 - EPA 524 Prep

Matrix Spike (B9G0585-MS1)

Source: 19G1455-02

Prepared: 07/25/19 10:48 Analyzed: 07/25/19 10:48

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Init.	Qualifiers
1,1,1,2-Tetrachloroethane	6.3	0.20	ug/L	6	<	105	70-130			KCB	
1,1,1-Trichloroethane	6.8	0.20	ug/L	6	<	114	70-130			KCB	
1,1,2,2-Tetrachloroethane	6.1	0.20	ug/L	6	<	102	70-130			KCB	
1,1,2-Trichloroethane	6.1	0.20	ug/L	6	<	102	70-130			KCB	
1,1,2-Trichlorotrifluoroethane	7.0	0.20	ug/L	6	<	117	70-130			KCB	
1,1-Dichloroethane	6.8	0.20	ug/L	6	<	113	70-130			KCB	
1,1-Dichloroethene	7.0	0.50	ug/L	6	<	117	70-130			KCB	
1,1-Dichloropropene	7.1	0.20	ug/L	6	<	119	70-130			KCB	
1,2,3-Trichlorobenzene	6.7	1.0	ug/L	6	<	111	70-130			KCB	
1,2,3-Trichloropropane	6.3	0.50	ug/L	6	<	105	70-130			KCB	
1,2,4-Trichlorobenzene	7.0	0.50	ug/L	6	<	116	70-130			KCB	
1,2,4-Trimethylbenzene	6.8	0.50	ug/L	6	<	113	70-130			KCB	
1,2-Dibromo-3-chloropropane (DBCP)	6.5	2.0	ug/L	6	<	108	70-130			KCB	
1,2-Dibromoethane (EDB)	6.1	0.50	ug/L	6	<	102	70-130			KCB	
1,2-Dichlorobenzene	6.3	0.20	ug/L	6	<	104	70-130			KCB	
1,2-Dichloroethane	6.3	0.20	ug/L	6	<	105	70-130			KCB	
1,2-Dichloropropane	6.4	0.20	ug/L	6	<	107	70-130			KCB	
1,3,5-Trimethylbenzene	7.1	0.50	ug/L	6	<	118	70-130			KCB	
1,3-Dichlorobenzene	6.5	0.20	ug/L	6	<	108	70-130			KCB	
1,3-Dichloropropane	6.3	0.20	ug/L	6	<	105	70-130			KCB	
1,4-Dichlorobenzene	6.4	0.20	ug/L	6	<	107	70-130			KCB	
2,2-Dichloropropane	7.2	0.50	ug/L	6	<	120	70-130			KCB	
2-Chlorotoluene	6.6	0.50	ug/L	6	<	109	70-130			KCB	
4-Chlorotoluene	6.6	0.50	ug/L	6	<	110	70-130			KCB	
Acetone	64	20	ug/L	60	<	107	70-130			KCB	
Allyl chloride	6.8	0.50	ug/L	6	<	114	70-130			KCB	
Benzene	6.4	0.20	ug/L	6	<	107	70-130			KCB	
Bromobenzene	6.3	0.20	ug/L	6	<	105	70-130			KCB	
Bromochloromethane	6.3	0.50	ug/L	6	<	105	70-130			KCB	
Bromodichloromethane	6.3	0.20	ug/L	6	<	105	70-130			KCB	
Bromoform	6.1	0.50	ug/L	6	<	102	70-130			KCB	
Bromomethane	6.4	1.0	ug/L	6	<	106	70-130			KCB	
Carbon tetrachloride	7.1	0.20	ug/L	6	<	118	70-130			KCB	
Chlorobenzene	6.4	0.20	ug/L	6	<	106	70-130			KCB	
Chlorodibromomethane	6.2	0.50	ug/L	6	<	103	70-130			KCB	
Chloroethane	6.6	0.50	ug/L	6	<	110	70-130			KCB	
Chloroform	6.7	0.10	ug/L	6	<	111	70-130			KCB	
Chloromethane	6.1	1.0	ug/L	6	<	101	70-130			KCB	
cis-1,2-Dichloroethene	9.8	0.20	ug/L	6	3.5	106	70-130			KCB	
cis-1,3-Dichloropropene	6.3	0.20	ug/L	6	<	105	70-130			KCB	

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PWSID: 5020588

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Batch B9G0585 - EPA 524 Prep

Matrix Spike (B9G0585-MS1)

Source: 19G1455-02

Prepared: 07/25/19 10:48 Analyzed: 07/25/19 10:48

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Init.	Qualifiers
Dibromomethane	6.3	0.50	ug/L	6	<	105	70-130			KCB	
Dichlorodifluoromethane	5.1	1.0	ug/L	6	<	84	70-130			KCB	
Dichlorofluoromethane	6.8	0.50	ug/L	6	<	113	70-130			KCB	
Ethyl ether	6.1	2.0	ug/L	6	<	102	70-130			KCB	
Ethylbenzene	6.8	0.50	ug/L	6	<	113	70-130			KCB	
Hexachlorobutadiene	7.2	1.0	ug/L	6	<	120	70-130			KCB	
Isopropylbenzene	7.2	0.50	ug/L	6	<	119	70-130			KCB	
Methyl ethyl ketone (MEK)	32	10	ug/L	30	<	106	70-130			KCB	
Methyl isobutyl ketone (MIBK)	35	5.0	ug/L	30	<	115	70-130			KCB	
Methyl tertiary butyl ether (MTBE)	6.3	2.0	ug/L	6	<	104	70-130			KCB	
Methylene chloride	6.7	0.50	ug/L	6	<	112	70-130			KCB	
Naphthalene	6.5	1.0	ug/L	6	<	109	70-130			KCB	
n-Butylbenzene	7.7	0.50	ug/L	6	<	129	70-130			KCB	
n-Propylbenzene	7.1	0.50	ug/L	6	<	119	70-130			KCB	
o-Xylene	6.8	0.20	ug/L	6	<	112	70-130			KCB	
p&m-Xylene	6.9	0.30	ug/L	6	<	114	70-130			KCB	
p-Isopropyltoluene	7.6	0.50	ug/L	6	<	126	70-130			KCB	
sec-Butylbenzene	7.5	0.50	ug/L	6	<	125	70-130			KCB	
Styrene	6.8	0.50	ug/L	6	<	113	70-130			KCB	
tert-Butylbenzene	7.3	0.50	ug/L	6	<	121	70-130			KCB	
Tetrachloroethene	6.9	0.20	ug/L	6	<	116	70-130			KCB	
Tetrahydrofuran (THF)	61	10	ug/L	60	<	102	70-130			KCB	
Toluene	6.5	0.20	ug/L	6	<	109	70-130			KCB	
trans-1,2-Dichloroethene	6.7	0.10	ug/L	6	<	112	70-130			KCB	
trans-1,3-Dichloropropene	6.4	0.20	ug/L	6	<	108	70-130			KCB	
Trichloroethene (TCE)	9.5	0.10	ug/L	6	2.9	110	70-130			KCB	
Trichlorofluoromethane	7.2	0.50	ug/L	6	<	120	70-130			KCB	
Vinyl chloride	6.8	0.20	ug/L	6	<	110	70-130			KCB	
Surrogate: 1,2-Dichlorobenzene-d4	98	70-130	%	10						KCB	
Surrogate: 4-Bromofluorobenzene	100	70-130	%	10						KCB	
Surrogate: Methyl tertiary butyl ether-d3	104	70-130	%	10						KCB	

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Environmental Laboratory Section
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651-201-5300

PWSID: 5020588

Work Order Comments

Samples were received in proper condition.

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