

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Yelena Aravkina, M.S.
Michael Erdahl, B.S.
Arina Podnozova, B.S.
Eric Young, B.S.

3012 16th Avenue West
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www.friedmanandbruya.com

October 26, 2021

Mark Roman, Project Manager
Envision Environmental, Inc.
11 Sleepy Hollow Court
Allentown, NJ 08501

Dear Mr Roman:

Included are the amended results from the testing of material submitted on September 17, 2021 from the Ball Kent 302, REX, F&BI 109299 project. The case narrative was updated and several compounds were reported to MDL.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures
NAA0927R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

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3012 16th Avenue West
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September 27, 2021

Mark Roman, Project Manager
Envision Environmental, Inc.
11 Sleepy Hollow Court
Allentown, NJ 08501

Dear Mr Roman:

Included are the results from the testing of material submitted on September 17, 2021 from the Ball Kent 302, REX, F&BI 109299 project. There are 65 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days, or as directed by the Chain of Custody document. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures
NAA0927R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on September 17, 2021 by Friedman & Bruya, Inc. from the Envision Environmental Ball Kent 302, REX, F&BI 109299 project. Samples were logged in under the laboratory ID's listed below.

<u>Laboratory ID</u>	<u>Envision Environmental</u>
109299 -01	Trip Blank
109299 -02	ETMW3
109299 -03	MW103
109299 -04	MW104
109299 -05	MW107
109299 -06	Dup1
109299 -07	FB
109299 -08	MW113
109299 -09	MW201
109299 -10	ETMW7
109299 -11	MW102
109299 -12	ETMW2
109299 -13	MW105R
109299 -14	Dup2
109299 -15	MW101
109299 -16	MW106
109299 -17	FB1
109299 -18	MW108

The 8260D water MTBE and 2,2-dichloropropane calibration standard, laboratory control sample, and laboratory control sample duplicate did not pass the acceptance criteria. The data were flagged accordingly.

Methylene chloride was detected in the 8260D analysis of sample FB1. The data were flagged as due to laboratory contamination.

All other quality control requirements were acceptable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID:	Trip Blank	Client:	Envision Environmental
Date Received:	09/17/21	Project:	Ball Kent 302, REX, F&BI 109299
Date Extracted:	09/18/21	Lab ID:	109299-01
Date Analyzed:	09/20/21	Data File:	092008.D
Matrix:	Water	Instrument:	GCMS13
Units:	ug/L (ppb)	Operator:	JCM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	107	85	117
Toluene-d8	94	88	112
4-Bromofluorobenzene	101	90	111

Compounds:	Concentration ug/L (ppb)	Compounds:	Concentration ug/L (ppb)
Dichlorodifluoromethane	<1	1,3-Dichloropropane	<1
Chloromethane	<10	Tetrachloroethene	<1
Vinyl chloride	<0.02	Dibromochloromethane	<0.5
Bromomethane	<5	1,2-Dibromoethane (EDB)	<0.01 j
Chloroethane	<1	Chlorobenzene	<1
Trichlorofluoromethane	<1	Ethylbenzene	<1
Acetone	<50	1,1,1,2-Tetrachloroethane	<1
1,1-Dichloroethene	<1	m,p-Xylene	<2
Hexane	<5	o-Xylene	<1
Methylene chloride	<5	Styrene	<1
Methyl t-butyl ether (MTBE)	<1 ca jl	Isopropylbenzene	<1
trans-1,2-Dichloroethene	<1	Bromoform	<5
1,1-Dichloroethane	<1	n-Propylbenzene	<1
2,2-Dichloropropane	<1 ca jl	Bromobenzene	<1
cis-1,2-Dichloroethene	<1	1,3,5-Trimethylbenzene	<1
Chloroform	<1	1,1,2,2-Tetrachloroethane	<0.2
2-Butanone (MEK)	<20	1,2,3-Trichloropropane	<0.072 j
1,2-Dichloroethane (EDC)	<0.2	2-Chlorotoluene	<1
1,1,1-Trichloroethane	<1	4-Chlorotoluene	<1
1,1-Dichloropropene	<1	tert-Butylbenzene	<1
Carbon tetrachloride	<0.5	1,2,4-Trimethylbenzene	<1
Benzene	<0.35	sec-Butylbenzene	<1
Trichloroethene	<0.5	p-Isopropyltoluene	<1
1,2-Dichloropropane	<1	1,3-Dichlorobenzene	<1
Bromodichloromethane	<0.5	1,4-Dichlorobenzene	<1
Dibromomethane	<1	1,2-Dichlorobenzene	<1
4-Methyl-2-pentanone	<10	1,2-Dibromo-3-chloropropane	<0.14 j
cis-1,3-Dichloropropene	<0.4	1,2,4-Trichlorobenzene	<1
Toluene	<1	Hexachlorobutadiene	<0.5
trans-1,3-Dichloropropene	<0.4 ca	Naphthalene	<1
1,1,2-Trichloroethane	<0.5	1,2,3-Trichlorobenzene	<1
2-Hexanone	<10		

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

GCMS Library Search Compound Report By EPA Method 8260D Dual Acquisition

Client Sample ID:	Trip Blank	Client:	Envision Environmental
Date Received:	09/17/21	Project:	Ball Kent 302, REX, F&BI 109299
Date Extracted:	09/18/21	Lab ID:	109299-01
Date Analyzed:	09/20/21	Data File:	092008.D
Matrix:	Water	Instrument:	GCMS13
Units:	ug/L (ppb)	Operator:	JCM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	107	85	117
Toluene-d8	94	88	112
4-Bromofluorobenzene	101	90	111

Tentative ID	CAS #	Qual.	Conc.
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Note: There were no library search compounds detected with a spectral quality of 85 or greater.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID:	ETMW3	Client:	Envision Environmental
Date Received:	09/17/21	Project:	Ball Kent 302, REX, F&BI 109299
Date Extracted:	09/18/20	Lab ID:	109299-02
Date Analyzed:	09/20/21	Data File:	092009.D
Matrix:	Water	Instrument:	GCMS13
Units:	ug/L (ppb)	Operator:	JCM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	107	85	117
Toluene-d8	97	88	112
4-Bromofluorobenzene	98	90	111

Compounds:	Concentration ug/L (ppb)	Compounds:	Concentration ug/L (ppb)
Dichlorodifluoromethane	<1	1,3-Dichloropropane	<1
Chloromethane	<10	Tetrachloroethene	<1
Vinyl chloride	<0.02	Dibromochloromethane	<0.5
Bromomethane	<5	1,2-Dibromoethane (EDB)	<0.01 j
Chloroethane	<1	Chlorobenzene	<1
Trichlorofluoromethane	<1	Ethylbenzene	<1
Acetone	<50	1,1,1,2-Tetrachloroethane	<1
1,1-Dichloroethene	<1	m,p-Xylene	<2
Hexane	<5	o-Xylene	<1
Methylene chloride	<5	Styrene	<1
Methyl t-butyl ether (MTBE)	<1 ca jl	Isopropylbenzene	<1
trans-1,2-Dichloroethene	<1	Bromoform	<5
1,1-Dichloroethane	<1	n-Propylbenzene	<1
2,2-Dichloropropane	<1 ca jl	Bromobenzene	<1
cis-1,2-Dichloroethene	<1	1,3,5-Trimethylbenzene	<1
Chloroform	<1	1,1,2,2-Tetrachloroethane	<0.2
2-Butanone (MEK)	<20	1,2,3-Trichloropropane	<0.072 j
1,2-Dichloroethane (EDC)	<0.2	2-Chlorotoluene	<1
1,1,1-Trichloroethane	<1	4-Chlorotoluene	<1
1,1-Dichloropropene	<1	tert-Butylbenzene	<1
Carbon tetrachloride	<0.5	1,2,4-Trimethylbenzene	<1
Benzene	<0.35	sec-Butylbenzene	<1
Trichloroethene	<0.5	p-Isopropyltoluene	<1
1,2-Dichloropropane	<1	1,3-Dichlorobenzene	<1
Bromodichloromethane	<0.5	1,4-Dichlorobenzene	<1
Dibromomethane	<1	1,2-Dichlorobenzene	<1
4-Methyl-2-pentanone	<10	1,2-Dibromo-3-chloropropane	<0.14 j
cis-1,3-Dichloropropene	<0.4	1,2,4-Trichlorobenzene	<1
Toluene	<1	Hexachlorobutadiene	<0.5
trans-1,3-Dichloropropene	<0.4 ca	Naphthalene	<1
1,1,2-Trichloroethane	<0.5	1,2,3-Trichlorobenzene	<1
2-Hexanone	<10		

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

GCMS Library Search Compound Report By EPA Method 8260D Dual Acquisition

Client Sample ID:	ETMW3	Client:	Envision Environmental
Date Received:	09/17/21	Project:	Ball Kent 302, REX, F&BI 109299
Date Extracted:	09/18/20	Lab ID:	109299-02
Date Analyzed:	09/20/21	Data File:	092009.D
Matrix:	Water	Instrument:	GCMS13
Units:	ug/L (ppb)	Operator:	JCM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	107	85	117
Toluene-d8	97	88	112
4-Bromofluorobenzene	98	90	111

Tentative ID	CAS #	Qual.	Conc.
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Note: There were no library search compounds detected with a spectral quality of 85 or greater.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID: MW103	Client: Envision Environmental
Date Received: 09/17/21	Project: Ball Kent 302, REX, F&BI 109299
Date Extracted: 09/18/21	Lab ID: 109299-03
Date Analyzed: 09/20/21	Data File: 092010.D
Matrix: Water	Instrument: GCMS13
Units: ug/L (ppb)	Operator: JCM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	97	85	117
Toluene-d8	95	88	112
4-Bromofluorobenzene	101	90	111

Compounds:	Concentration ug/L (ppb)	Compounds:	Concentration ug/L (ppb)
Dichlorodifluoromethane	<1	1,3-Dichloropropane	<1
Chloromethane	<10	Tetrachloroethene	<1
Vinyl chloride	0.26	Dibromochloromethane	<0.5
Bromomethane	<5	1,2-Dibromoethane (EDB)	<0.01 j
Chloroethane	<1	Chlorobenzene	<1
Trichlorofluoromethane	<1	Ethylbenzene	<1
Acetone	<50	1,1,1,2-Tetrachloroethane	<1
1,1-Dichloroethene	<1	m,p-Xylene	<2
Hexane	<5	o-Xylene	<1
Methylene chloride	<5	Styrene	<1
Methyl t-butyl ether (MTBE)	<1 ca jl	Isopropylbenzene	<1
trans-1,2-Dichloroethene	<1	Bromoform	<5
1,1-Dichloroethane	<1	n-Propylbenzene	<1
2,2-Dichloropropane	<1 ca jl	Bromobenzene	<1
cis-1,2-Dichloroethene	1.3	1,3,5-Trimethylbenzene	<1
Chloroform	<1	1,1,2,2-Tetrachloroethane	<0.2
2-Butanone (MEK)	<20	1,2,3-Trichloropropane	<0.072 j
1,2-Dichloroethane (EDC)	<0.2	2-Chlorotoluene	<1
1,1,1-Trichloroethane	<1	4-Chlorotoluene	<1
1,1-Dichloropropene	<1	tert-Butylbenzene	<1
Carbon tetrachloride	<0.5	1,2,4-Trimethylbenzene	<1
Benzene	<0.35	sec-Butylbenzene	<1
Trichloroethene	<0.5	p-Isopropyltoluene	<1
1,2-Dichloropropane	<1	1,3-Dichlorobenzene	<1
Bromodichloromethane	<0.5	1,4-Dichlorobenzene	<1
Dibromomethane	<1	1,2-Dichlorobenzene	<1
4-Methyl-2-pentanone	<10	1,2-Dibromo-3-chloropropane	<0.14 j
cis-1,3-Dichloropropene	<0.4	1,2,4-Trichlorobenzene	<1
Toluene	<1	Hexachlorobutadiene	<0.5
trans-1,3-Dichloropropene	<0.4 ca	Naphthalene	<1
1,1,2-Trichloroethane	<0.5	1,2,3-Trichlorobenzene	<1
2-Hexanone	<10		

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

GCMS Library Search Compound Report By EPA Method 8260D Dual Acquisition

Client Sample ID:	MW103	Client:	Envision Environmental
Date Received:	09/17/21	Project:	Ball Kent 302, REX, F&BI 109299
Date Extracted:	09/18/21	Lab ID:	109299-03
Date Analyzed:	09/20/21	Data File:	092010.D
Matrix:	Water	Instrument:	GCMS13
Units:	ug/L (ppb)	Operator:	JCM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	97	85	117
Toluene-d8	95	88	112
4-Bromofluorobenzene	101	90	111

Tentative ID	CAS #	Qual.	Conc.
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Note: There were no library search compounds detected with a spectral quality of 85 or greater.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID:	MW104	Client:	Envision Environmental
Date Received:	09/17/21	Project:	Ball Kent 302, REX, F&BI 109299
Date Extracted:	09/20/21	Lab ID:	109299-04
Date Analyzed:	09/20/21	Data File:	092012.D
Matrix:	Water	Instrument:	GCMS13
Units:	ug/L (ppb)	Operator:	JCM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	110	85	117
Toluene-d8	96	88	112
4-Bromofluorobenzene	98	90	111

Compounds:	Concentration ug/L (ppb)	Compounds:	Concentration ug/L (ppb)
Dichlorodifluoromethane	<1	1,3-Dichloropropane	<1
Chloromethane	<10	Tetrachloroethene	<1
Vinyl chloride	<0.02	Dibromochloromethane	<0.5
Bromomethane	<5	1,2-Dibromoethane (EDB)	<0.01 j
Chloroethane	<1	Chlorobenzene	<1
Trichlorofluoromethane	<1	Ethylbenzene	<1
Acetone	<50	1,1,1,2-Tetrachloroethane	<1
1,1-Dichloroethene	<1	m,p-Xylene	<2
Hexane	<5	o-Xylene	<1
Methylene chloride	<5	Styrene	<1
Methyl t-butyl ether (MTBE)	<1 ca jl	Isopropylbenzene	<1
trans-1,2-Dichloroethene	<1	Bromoform	<5
1,1-Dichloroethane	<1	n-Propylbenzene	<1
2,2-Dichloropropane	<1 ca jl	Bromobenzene	<1
cis-1,2-Dichloroethene	<1	1,3,5-Trimethylbenzene	<1
Chloroform	<1	1,1,2,2-Tetrachloroethane	<0.2
2-Butanone (MEK)	<20	1,2,3-Trichloropropane	<0.072 j
1,2-Dichloroethane (EDC)	<0.2	2-Chlorotoluene	<1
1,1,1-Trichloroethane	<1	4-Chlorotoluene	<1
1,1-Dichloropropene	<1	tert-Butylbenzene	<1
Carbon tetrachloride	<0.5	1,2,4-Trimethylbenzene	<1
Benzene	<0.35	sec-Butylbenzene	<1
Trichloroethene	<0.5	p-Isopropyltoluene	<1
1,2-Dichloropropane	<1	1,3-Dichlorobenzene	<1
Bromodichloromethane	<0.5	1,4-Dichlorobenzene	<1
Dibromomethane	<1	1,2-Dichlorobenzene	<1
4-Methyl-2-pentanone	<10	1,2-Dibromo-3-chloropropane	<0.14 j
cis-1,3-Dichloropropene	<0.4	1,2,4-Trichlorobenzene	<1
Toluene	<1	Hexachlorobutadiene	<0.5
trans-1,3-Dichloropropene	<0.4 ca	Naphthalene	<1
1,1,2-Trichloroethane	<0.5	1,2,3-Trichlorobenzene	<1
2-Hexanone	<10		

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

GCMS Library Search Compound Report By EPA Method 8260D Dual Acquisition

Client Sample ID:	MW104	Client:	Envision Environmental
Date Received:	09/17/21	Project:	Ball Kent 302, REX, F&BI 109299
Date Extracted:	09/20/21	Lab ID:	109299-04
Date Analyzed:	09/20/21	Data File:	092012.D
Matrix:	Water	Instrument:	GCMS13
Units:	ug/L (ppb)	Operator:	JCM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	103	85	117
Toluene-d8	95	88	112
4-Bromofluorobenzene	100	90	111

Tentative ID	CAS #	Qual.	Conc.
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Note: There were no library search compounds detected with a spectral quality of 85 or greater.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID: MW107	Client: Envision Environmental
Date Received: 09/17/21	Project: Ball Kent 302, REX, F&BI 109299
Date Extracted: 09/20/21	Lab ID: 109299-05
Date Analyzed: 09/20/21	Data File: 092011.D
Matrix: Water	Instrument: GCMS13
Units: ug/L (ppb)	Operator: JCM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	103	85	117
Toluene-d8	95	88	112
4-Bromofluorobenzene	100	90	111

Compounds:	Concentration ug/L (ppb)	Compounds:	Concentration ug/L (ppb)
Dichlorodifluoromethane	<1	1,3-Dichloropropane	<1
Chloromethane	<10	Tetrachloroethene	<1
Vinyl chloride	<0.02	Dibromochloromethane	<0.5
Bromomethane	<5	1,2-Dibromoethane (EDB)	<0.01 j
Chloroethane	<1	Chlorobenzene	<1
Trichlorofluoromethane	<1	Ethylbenzene	<1
Acetone	<50	1,1,1,2-Tetrachloroethane	<1
1,1-Dichloroethene	<1	m,p-Xylene	<2
Hexane	<5	o-Xylene	<1
Methylene chloride	<5	Styrene	<1
Methyl t-butyl ether (MTBE)	<1 ca jl	Isopropylbenzene	<1
trans-1,2-Dichloroethene	<1	Bromoform	<5
1,1-Dichloroethane	<1	n-Propylbenzene	<1
2,2-Dichloropropane	<1 ca jl	Bromobenzene	<1
cis-1,2-Dichloroethene	<1	1,3,5-Trimethylbenzene	<1
Chloroform	<1	1,1,2,2-Tetrachloroethane	<0.2
2-Butanone (MEK)	<20	1,2,3-Trichloropropane	<0.072 j
1,2-Dichloroethane (EDC)	<0.2	2-Chlorotoluene	<1
1,1,1-Trichloroethane	<1	4-Chlorotoluene	<1
1,1-Dichloropropene	<1	tert-Butylbenzene	<1
Carbon tetrachloride	<0.5	1,2,4-Trimethylbenzene	<1
Benzene	<0.35	sec-Butylbenzene	<1
Trichloroethene	<0.5	p-Isopropyltoluene	<1
1,2-Dichloropropane	<1	1,3-Dichlorobenzene	<1
Bromodichloromethane	<0.5	1,4-Dichlorobenzene	<1
Dibromomethane	<1	1,2-Dichlorobenzene	<1
4-Methyl-2-pentanone	<10	1,2-Dibromo-3-chloropropane	<0.14 j
cis-1,3-Dichloropropene	<0.4	1,2,4-Trichlorobenzene	<1
Toluene	<1	Hexachlorobutadiene	<0.5
trans-1,3-Dichloropropene	<0.4 ca	Naphthalene	<1
1,1,2-Trichloroethane	<0.5	1,2,3-Trichlorobenzene	<1
2-Hexanone	<10		

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

GCMS Library Search Compound Report By EPA Method 8260D Dual Acquisition

Client Sample ID:	MW107	Client:	Envision Environmental
Date Received:	09/17/21	Project:	Ball Kent 302, REX, F&BI 109299
Date Extracted:	09/20/21	Lab ID:	109299-05
Date Analyzed:	09/20/21	Data File:	092011.D
Matrix:	Water	Instrument:	GCMS13
Units:	ug/L (ppb)	Operator:	JCM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	110	85	117
Toluene-d8	96	88	112
4-Bromofluorobenzene	98	90	111

Tentative ID	CAS #	Qual.	Conc.
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Note: There were no library search compounds detected with a spectral quality of 85 or greater.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID: Dup1	Client: Envision Environmental
Date Received: 09/17/21	Project: Ball Kent 302, REX, F&BI 109299
Date Extracted: 09/18/21	Lab ID: 109299-06
Date Analyzed: 09/20/21	Data File: 092013.D
Matrix: Water	Instrument: GCMS13
Units: ug/L (ppb)	Operator: JCM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	110	85	117
Toluene-d8	92	88	112
4-Bromofluorobenzene	99	90	111

Compounds:	Concentration ug/L (ppb)	Compounds:	Concentration ug/L (ppb)
Dichlorodifluoromethane	<1	1,3-Dichloropropane	<1
Chloromethane	<10	Tetrachloroethene	<1
Vinyl chloride	0.041	Dibromochloromethane	<0.5
Bromomethane	<5	1,2-Dibromoethane (EDB)	<0.01 j
Chloroethane	<1	Chlorobenzene	<1
Trichlorofluoromethane	<1	Ethylbenzene	<1
Acetone	<50	1,1,1,2-Tetrachloroethane	<1
1,1-Dichloroethene	<1	m,p-Xylene	<2
Hexane	<5	o-Xylene	<1
Methylene chloride	<5	Styrene	<1
Methyl t-butyl ether (MTBE)	<1 ca jl	Isopropylbenzene	<1
trans-1,2-Dichloroethene	<1	Bromoform	<5
1,1-Dichloroethane	<1	n-Propylbenzene	<1
2,2-Dichloropropane	<1 ca jl	Bromobenzene	<1
cis-1,2-Dichloroethene	<1	1,3,5-Trimethylbenzene	1.4
Chloroform	<1	1,1,2,2-Tetrachloroethane	<0.2
2-Butanone (MEK)	<20	1,2,3-Trichloropropane	<0.072 j
1,2-Dichloroethane (EDC)	<0.2	2-Chlorotoluene	<1
1,1,1-Trichloroethane	1.1	4-Chlorotoluene	<1
1,1-Dichloropropene	<1	tert-Butylbenzene	<1
Carbon tetrachloride	<0.5	1,2,4-Trimethylbenzene	4.8
Benzene	<0.35	sec-Butylbenzene	<1
Trichloroethene	<0.5	p-Isopropyltoluene	<1
1,2-Dichloropropane	<1	1,3-Dichlorobenzene	<1
Bromodichloromethane	<0.5	1,4-Dichlorobenzene	<1
Dibromomethane	<1	1,2-Dichlorobenzene	<1
4-Methyl-2-pentanone	<10	1,2-Dibromo-3-chloropropane	<0.14 j
cis-1,3-Dichloropropene	<0.4	1,2,4-Trichlorobenzene	<1
Toluene	<1	Hexachlorobutadiene	<0.5
trans-1,3-Dichloropropene	<0.4 ca	Naphthalene	<1
1,1,2-Trichloroethane	<0.5	1,2,3-Trichlorobenzene	<1
2-Hexanone	<10		

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

GCMS Library Search Compound Report By EPA Method 8260D Dual Acquisition

Client Sample ID:	Dup1	Client:	Envision Environmental
Date Received:	09/17/21	Project:	Ball Kent 302, REX, F&BI 109299
Date Extracted:	09/18/21	Lab ID:	109299-06
Date Analyzed:	09/20/21	Data File:	092013.D
Matrix:	Water	Instrument:	GCMS13
Units:	ug/L (ppb)	Operator:	JCM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	110	85	117
Toluene-d8	92	88	112
4-Bromofluorobenzene	99	90	111

Tentative ID	CAS #	Qual.	Conc.
Benzene, 1-ethyl-2-methyl-	000611-14-3	94	3.4
Benzene, 1-ethyl-3-methyl-	000620-14-4	94	1.4

Note: Only compounds above spectral quality 85 have been reported.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID:	FB	Client:	Envision Environmental
Date Received:	09/17/21	Project:	Ball Kent 302, REX, F&BI 109299
Date Extracted:	09/18/21	Lab ID:	109299-07
Date Analyzed:	09/20/21	Data File:	092014.D
Matrix:	Water	Instrument:	GCMS13
Units:	ug/L (ppb)	Operator:	JCM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	112	85	117
Toluene-d8	90	88	112
4-Bromofluorobenzene	98	90	111

Compounds:	Concentration ug/L (ppb)	Compounds:	Concentration ug/L (ppb)
Dichlorodifluoromethane	<1	1,3-Dichloropropane	<1
Chloromethane	<10	Tetrachloroethene	<1
Vinyl chloride	<0.02	Dibromochloromethane	<0.5
Bromomethane	<5	1,2-Dibromoethane (EDB)	<0.01 j
Chloroethane	<1	Chlorobenzene	<1
Trichlorofluoromethane	<1	Ethylbenzene	<1
Acetone	<50	1,1,1,2-Tetrachloroethane	<1
1,1-Dichloroethene	<1	m,p-Xylene	<2
Hexane	<5	o-Xylene	<1
Methylene chloride	6.0 ca lc	Styrene	<1
Methyl t-butyl ether (MTBE)	<1 ca jl	Isopropylbenzene	<1
trans-1,2-Dichloroethene	<1	Bromoform	<5
1,1-Dichloroethane	<1	n-Propylbenzene	<1
2,2-Dichloropropane	<1 ca jl	Bromobenzene	<1
cis-1,2-Dichloroethene	<1	1,3,5-Trimethylbenzene	<1
Chloroform	<1	1,1,2,2-Tetrachloroethane	<0.2
2-Butanone (MEK)	<20	1,2,3-Trichloropropane	<0.072 j
1,2-Dichloroethane (EDC)	<0.2	2-Chlorotoluene	<1
1,1,1-Trichloroethane	<1	4-Chlorotoluene	<1
1,1-Dichloropropene	<1	tert-Butylbenzene	<1
Carbon tetrachloride	<0.5	1,2,4-Trimethylbenzene	<1
Benzene	<0.35	sec-Butylbenzene	<1
Trichloroethene	<0.5	p-Isopropyltoluene	<1
1,2-Dichloropropane	<1	1,3-Dichlorobenzene	<1
Bromodichloromethane	<0.5	1,4-Dichlorobenzene	<1
Dibromomethane	<1	1,2-Dichlorobenzene	<1
4-Methyl-2-pentanone	<10	1,2-Dibromo-3-chloropropane	<0.14 j
cis-1,3-Dichloropropene	<0.4	1,2,4-Trichlorobenzene	<1
Toluene	<1	Hexachlorobutadiene	<0.5
trans-1,3-Dichloropropene	<0.4 ca	Naphthalene	<1
1,1,2-Trichloroethane	<0.5	1,2,3-Trichlorobenzene	<1
2-Hexanone	<10		

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

GCMS Library Search Compound Report By EPA Method 8260D Dual Acquisition

Client Sample ID:	FB	Client:	Envision Environmental
Date Received:	09/17/21	Project:	Ball Kent 302, REX, F&BI 109299
Date Extracted:	09/18/21	Lab ID:	109299-07
Date Analyzed:	09/20/21	Data File:	092014.D
Matrix:	Water	Instrument:	GCMS13
Units:	ug/L (ppb)	Operator:	JCM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	112	85	117
Toluene-d8	90	88	112
4-Bromofluorobenzene	98	90	111

Tentative ID	CAS #	Qual.	Conc.
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Note: There were no library search compounds detected with a spectral quality of 85 or greater.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID: MW113	Client: Envision Environmental
Date Received: 09/17/21	Project: Ball Kent 302, REX, F&BI 109299
Date Extracted: 09/18/21	Lab ID: 109299-08
Date Analyzed: 09/20/21	Data File: 092015.D
Matrix: Water	Instrument: GCMS13
Units: ug/L (ppb)	Operator: JCM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	107	85	117
Toluene-d8	92	88	112
4-Bromofluorobenzene	99	90	111

Compounds:	Concentration ug/L (ppb)	Compounds:	Concentration ug/L (ppb)
Dichlorodifluoromethane	<1	1,3-Dichloropropane	<1
Chloromethane	<10	Tetrachloroethene	<1
Vinyl chloride	0.037	Dibromochloromethane	<0.5
Bromomethane	<5	1,2-Dibromoethane (EDB)	<0.01 j
Chloroethane	<1	Chlorobenzene	<1
Trichlorofluoromethane	<1	Ethylbenzene	<1
Acetone	<50	1,1,1,2-Tetrachloroethane	<1
1,1-Dichloroethene	<1	m,p-Xylene	<2
Hexane	<5	o-Xylene	<1
Methylene chloride	<5	Styrene	<1
Methyl t-butyl ether (MTBE)	<1 ca jl	Isopropylbenzene	<1
trans-1,2-Dichloroethene	<1	Bromoform	<5
1,1-Dichloroethane	<1	n-Propylbenzene	<1
2,2-Dichloropropane	<1 ca jl	Bromobenzene	<1
cis-1,2-Dichloroethene	<1	1,3,5-Trimethylbenzene	<1
Chloroform	<1	1,1,2,2-Tetrachloroethane	<0.2
2-Butanone (MEK)	<20	1,2,3-Trichloropropane	<0.072 j
1,2-Dichloroethane (EDC)	<0.2	2-Chlorotoluene	<1
1,1,1-Trichloroethane	<1	4-Chlorotoluene	<1
1,1-Dichloropropene	<1	tert-Butylbenzene	<1
Carbon tetrachloride	<0.5	1,2,4-Trimethylbenzene	3.0
Benzene	<0.35	sec-Butylbenzene	<1
Trichloroethene	<0.5	p-Isopropyltoluene	<1
1,2-Dichloropropane	<1	1,3-Dichlorobenzene	<1
Bromodichloromethane	<0.5	1,4-Dichlorobenzene	<1
Dibromomethane	<1	1,2-Dichlorobenzene	<1
4-Methyl-2-pentanone	<10	1,2-Dibromo-3-chloropropane	<0.14 j
cis-1,3-Dichloropropene	<0.4	1,2,4-Trichlorobenzene	<1
Toluene	<1	Hexachlorobutadiene	<0.5
trans-1,3-Dichloropropene	<0.4 ca	Naphthalene	<1
1,1,2-Trichloroethane	<0.5	1,2,3-Trichlorobenzene	<1
2-Hexanone	<10		

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

GCMS Library Search Compound Report By EPA Method 8260D Dual Acquisition

Client Sample ID:	MW113	Client:	Envision Environmental
Date Received:	09/17/21	Project:	Ball Kent 302, REX, F&BI 109299
Date Extracted:	09/18/21	Lab ID:	109299-08
Date Analyzed:	09/20/21	Data File:	092015.D
Matrix:	Water	Instrument:	GCMS13
Units:	ug/L (ppb)	Operator:	JCM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	107	85	117
Toluene-d8	92	88	112
4-Bromofluorobenzene	99	90	111

Tentative ID	CAS #	Qual.	Conc.
Benzene, 1-ethyl-3-methyl-	000620-14-4	94	2.2

Note: Only compounds above spectral quality 85 have been reported.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID:	MW201	Client:	Envision Environmental
Date Received:	09/17/21	Project:	Ball Kent 302, REX, F&BI 109299
Date Extracted:	09/18/21	Lab ID:	109299-09
Date Analyzed:	09/20/21	Data File:	092016.D
Matrix:	Water	Instrument:	GCMS13
Units:	ug/L (ppb)	Operator:	JCM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	104	85	117
Toluene-d8	90	88	112
4-Bromofluorobenzene	99	90	111

Compounds:	Concentration ug/L (ppb)	Compounds:	Concentration ug/L (ppb)
Dichlorodifluoromethane	<1	1,3-Dichloropropane	<1
Chloromethane	<10	Tetrachloroethene	<1
Vinyl chloride	<0.02	Dibromochloromethane	<0.5
Bromomethane	<5	1,2-Dibromoethane (EDB)	<0.01 j
Chloroethane	<1	Chlorobenzene	<1
Trichlorofluoromethane	<1	Ethylbenzene	<1
Acetone	<50	1,1,1,2-Tetrachloroethane	<1
1,1-Dichloroethene	<1	m,p-Xylene	<2
Hexane	<5	o-Xylene	<1
Methylene chloride	<5	Styrene	<1
Methyl t-butyl ether (MTBE)	<1 ca jl	Isopropylbenzene	<1
trans-1,2-Dichloroethene	<1	Bromoform	<5
1,1-Dichloroethane	<1	n-Propylbenzene	<1
2,2-Dichloropropane	<1 ca jl	Bromobenzene	<1
cis-1,2-Dichloroethene	<1	1,3,5-Trimethylbenzene	<1
Chloroform	<1	1,1,2,2-Tetrachloroethane	<0.2
2-Butanone (MEK)	<20	1,2,3-Trichloropropane	<0.072 j
1,2-Dichloroethane (EDC)	<0.2	2-Chlorotoluene	<1
1,1,1-Trichloroethane	<1	4-Chlorotoluene	<1
1,1-Dichloropropene	<1	tert-Butylbenzene	<1
Carbon tetrachloride	<0.5	1,2,4-Trimethylbenzene	<1
Benzene	<0.35	sec-Butylbenzene	<1
Trichloroethene	<0.5	p-Isopropyltoluene	<1
1,2-Dichloropropane	<1	1,3-Dichlorobenzene	<1
Bromodichloromethane	<0.5	1,4-Dichlorobenzene	<1
Dibromomethane	<1	1,2-Dichlorobenzene	<1
4-Methyl-2-pentanone	<10	1,2-Dibromo-3-chloropropane	<0.14 j
cis-1,3-Dichloropropene	<0.4	1,2,4-Trichlorobenzene	<1
Toluene	<1	Hexachlorobutadiene	<0.5
trans-1,3-Dichloropropene	<0.4 ca	Naphthalene	<1
1,1,2-Trichloroethane	<0.5	1,2,3-Trichlorobenzene	<1
2-Hexanone	<10		

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

GCMS Library Search Compound Report By EPA Method 8260D Dual Acquisition

Client Sample ID:	MW201	Client:	Envision Environmental
Date Received:	09/17/21	Project:	Ball Kent 302, REX, F&BI 109299
Date Extracted:	09/18/21	Lab ID:	109299-09
Date Analyzed:	09/20/21	Data File:	092016.D
Matrix:	Water	Instrument:	GCMS13
Units:	ug/L (ppb)	Operator:	JCM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	104	85	117
Toluene-d8	90	88	112
4-Bromofluorobenzene	99	90	111

Tentative ID	CAS #	Qual.	Conc.
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Note: There were no library search compounds detected with a spectral quality of 85 or greater.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID: ETMW7	Client: Envision Environmental
Date Received: 09/17/21	Project: Ball Kent 302, REX, F&BI 109299
Date Extracted: 09/18/21	Lab ID: 109299-10
Date Analyzed: 09/20/21	Data File: 092017.D
Matrix: Water	Instrument: GCMS13
Units: ug/L (ppb)	Operator: JCM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	109	85	117
Toluene-d8	93	88	112
4-Bromofluorobenzene	98	90	111

Compounds:	Concentration ug/L (ppb)	Compounds:	Concentration ug/L (ppb)
Dichlorodifluoromethane	<1	1,3-Dichloropropane	<1
Chloromethane	<10	Tetrachloroethene	<1
Vinyl chloride	2.7	Dibromochloromethane	<0.5
Bromomethane	<5	1,2-Dibromoethane (EDB)	<0.01 j
Chloroethane	2,000 ve	Chlorobenzene	<1
Trichlorofluoromethane	<1	Ethylbenzene	<1
Acetone	<50	1,1,1,2-Tetrachloroethane	<1
1,1-Dichloroethene	<1	m,p-Xylene	<2
Hexane	<5	o-Xylene	<1
Methylene chloride	<5	Styrene	<1
Methyl t-butyl ether (MTBE)	<1 ca jl	Isopropylbenzene	<1
trans-1,2-Dichloroethene	<1	Bromoform	<5
1,1-Dichloroethane	2.1	n-Propylbenzene	<1
2,2-Dichloropropane	<1 ca jl	Bromobenzene	<1
cis-1,2-Dichloroethene	<1	1,3,5-Trimethylbenzene	<1
Chloroform	<1	1,1,2,2-Tetrachloroethane	<0.2
2-Butanone (MEK)	<20	1,2,3-Trichloropropane	<0.072 j
1,2-Dichloroethane (EDC)	6.9	2-Chlorotoluene	<1
1,1,1-Trichloroethane	<1	4-Chlorotoluene	<1
1,1-Dichloropropene	<1	tert-Butylbenzene	<1
Carbon tetrachloride	<0.5	1,2,4-Trimethylbenzene	<1
Benzene	<0.35	sec-Butylbenzene	<1
Trichloroethene	<0.5	p-Isopropyltoluene	<1
1,2-Dichloropropane	<1	1,3-Dichlorobenzene	<1
Bromodichloromethane	<0.5	1,4-Dichlorobenzene	<1
Dibromomethane	<1	1,2-Dichlorobenzene	<1
4-Methyl-2-pentanone	<10	1,2-Dibromo-3-chloropropane	<0.14 j
cis-1,3-Dichloropropene	<0.4	1,2,4-Trichlorobenzene	<1
Toluene	<1	Hexachlorobutadiene	<0.5
trans-1,3-Dichloropropene	<0.4 ca	Naphthalene	<1
1,1,2-Trichloroethane	<0.5	1,2,3-Trichlorobenzene	<1
2-Hexanone	<10		

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

GCMS Library Search Compound Report By EPA Method 8260D Dual Acquisition

Client Sample ID:	ETMW7	Client:	Envision Environmental
Date Received:	09/17/21	Project:	Ball Kent 302, REX, F&BI 109299
Date Extracted:	09/18/21	Lab ID:	109299-10
Date Analyzed:	09/20/21	Data File:	092017.D
Matrix:	Water	Instrument:	GCMS13
Units:	ug/L (ppb)	Operator:	JCM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	109	85	117
Toluene-d8	93	88	112
4-Bromofluorobenzene	98	90	111

Tentative ID	CAS #	Qual.	Conc.
Ethane, 1,2-dichloro-1,1,2-trifluoro-	000354-23-4	91	10
Butane, 1,3-dichloro-	001190-22-3	90	3.4
Ethane, bromo-	000074-96-4	91	2.8
Ethane, (methylthio)-	000624-89-5	91	2.7
Ethane, 1,1'-thiobis-	000352-93-2	90	2.7
1,3-Dioxolane	000646-06-0	86	1.3

Note: Only compounds above spectral quality 85 have been reported.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260D

Client Sample ID:	ETMW7	Client:	Envision Environmental
Date Received:	09/17/21	Project:	Ball Kent 302, REX, F&BI 109299
Date Extracted:	09/17/21	Lab ID:	109299-10 1/100
Date Analyzed:	09/20/21	Data File:	092031.D
Matrix:	Water	Instrument:	GCMS4
Units:	ug/L (ppb)	Operator:	JCM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	97	86	113
Toluene-d8	99	88	114
4-Bromofluorobenzene	100	88	112

Compounds:	Concentration ug/L (ppb)
Chloroethane	2,200

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID: MW102	Client: Envision Environmental
Date Received: 09/17/21	Project: Ball Kent 302, REX, F&BI 109299
Date Extracted: 09/18/21	Lab ID: 109299-11
Date Analyzed: 09/20/21	Data File: 092018.D
Matrix: Water	Instrument: GCMS13
Units: ug/L (ppb)	Operator: JCM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	110	85	117
Toluene-d8	93	88	112
4-Bromofluorobenzene	95	90	111

Compounds:	Concentration ug/L (ppb)	Compounds:	Concentration ug/L (ppb)
Dichlorodifluoromethane	<1	1,3-Dichloropropane	<1
Chloromethane	<10	Tetrachloroethene	<1
Vinyl chloride	0.081	Dibromochloromethane	<0.5
Bromomethane	<5	1,2-Dibromoethane (EDB)	<0.01 j
Chloroethane	94	Chlorobenzene	<1
Trichlorofluoromethane	<1	Ethylbenzene	<1
Acetone	<50	1,1,1,2-Tetrachloroethane	<1
1,1-Dichloroethene	<1	m,p-Xylene	<2
Hexane	<5	o-Xylene	<1
Methylene chloride	<5	Styrene	<1
Methyl t-butyl ether (MTBE)	<1 ca jl	Isopropylbenzene	<1
trans-1,2-Dichloroethene	<1	Bromoform	<5
1,1-Dichloroethane	<1	n-Propylbenzene	<1
2,2-Dichloropropane	<1 ca jl	Bromobenzene	<1
cis-1,2-Dichloroethene	<1	1,3,5-Trimethylbenzene	<1
Chloroform	<1	1,1,2,2-Tetrachloroethane	<0.2
2-Butanone (MEK)	<20	1,2,3-Trichloropropane	<0.072 j
1,2-Dichloroethane (EDC)	1.6	2-Chlorotoluene	<1
1,1,1-Trichloroethane	<1	4-Chlorotoluene	<1
1,1-Dichloropropene	<1	tert-Butylbenzene	<1
Carbon tetrachloride	<0.5	1,2,4-Trimethylbenzene	<1
Benzene	<0.35	sec-Butylbenzene	<1
Trichloroethene	<0.5	p-Isopropyltoluene	<1
1,2-Dichloropropane	<1	1,3-Dichlorobenzene	<1
Bromodichloromethane	<0.5	1,4-Dichlorobenzene	<1
Dibromomethane	<1	1,2-Dichlorobenzene	<1
4-Methyl-2-pentanone	<10	1,2-Dibromo-3-chloropropane	<0.14 j
cis-1,3-Dichloropropene	<0.4	1,2,4-Trichlorobenzene	<1
Toluene	<1	Hexachlorobutadiene	<0.5
trans-1,3-Dichloropropene	<0.4 ca	Naphthalene	<1
1,1,2-Trichloroethane	<0.5	1,2,3-Trichlorobenzene	<1
2-Hexanone	<10		

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

GCMS Library Search Compound Report By EPA Method 8260D Dual Acquisition

Client Sample ID:	MW102	Client:	Envision Environmental
Date Received:	09/17/21	Project:	Ball Kent 302, REX, F&BI 109299
Date Extracted:	09/18/21	Lab ID:	109299-11
Date Analyzed:	09/20/21	Data File:	092018.D
Matrix:	Water	Instrument:	GCMS13
Units:	ug/L (ppb)	Operator:	JCM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	110	85	117
Toluene-d8	93	88	112
4-Bromofluorobenzene	95	90	111

Tentative ID	CAS #	Qual.	Conc.
Ethane, 1,1'-thiobis-	000352-93-2	91	7.6
Butane, 1,3-dichloro-	001190-22-3	90	3.4

Note: Only compounds above spectral quality 85 have been reported.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID:	ETMW2	Client:	Envision Environmental
Date Received:	09/17/21	Project:	Ball Kent 302, REX, F&BI 109299
Date Extracted:	09/18/21	Lab ID:	109299-12
Date Analyzed:	09/20/21	Data File:	092019.D
Matrix:	Water	Instrument:	GCMS13
Units:	ug/L (ppb)	Operator:	JCM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	107	85	117
Toluene-d8	90	88	112
4-Bromofluorobenzene	101	90	111

Compounds:	Concentration ug/L (ppb)	Compounds:	Concentration ug/L (ppb)
Dichlorodifluoromethane	<1	1,3-Dichloropropane	<1
Chloromethane	<10	Tetrachloroethene	<1
Vinyl chloride	<0.02	Dibromochloromethane	<0.5
Bromomethane	<5	1,2-Dibromoethane (EDB)	<0.01 j
Chloroethane	<1	Chlorobenzene	<1
Trichlorofluoromethane	<1	Ethylbenzene	<1
Acetone	<50	1,1,1,2-Tetrachloroethane	<1
1,1-Dichloroethene	<1	m,p-Xylene	<2
Hexane	<5	o-Xylene	<1
Methylene chloride	<5	Styrene	<1
Methyl t-butyl ether (MTBE)	<1 ca jl	Isopropylbenzene	<1
trans-1,2-Dichloroethene	<1	Bromoform	<5
1,1-Dichloroethane	<1	n-Propylbenzene	<1
2,2-Dichloropropane	<1 ca jl	Bromobenzene	<1
cis-1,2-Dichloroethene	<1	1,3,5-Trimethylbenzene	<1
Chloroform	<1	1,1,2,2-Tetrachloroethane	<0.2
2-Butanone (MEK)	<20	1,2,3-Trichloropropane	<0.072 j
1,2-Dichloroethane (EDC)	<0.2	2-Chlorotoluene	<1
1,1,1-Trichloroethane	<1	4-Chlorotoluene	<1
1,1-Dichloropropene	<1	tert-Butylbenzene	<1
Carbon tetrachloride	<0.5	1,2,4-Trimethylbenzene	<1
Benzene	<0.35	sec-Butylbenzene	<1
Trichloroethene	<0.5	p-Isopropyltoluene	<1
1,2-Dichloropropane	<1	1,3-Dichlorobenzene	<1
Bromodichloromethane	<0.5	1,4-Dichlorobenzene	<1
Dibromomethane	<1	1,2-Dichlorobenzene	<1
4-Methyl-2-pentanone	<10	1,2-Dibromo-3-chloropropane	<0.14 j
cis-1,3-Dichloropropene	<0.4	1,2,4-Trichlorobenzene	<1
Toluene	<1	Hexachlorobutadiene	<0.5
trans-1,3-Dichloropropene	<0.4	Naphthalene	<1
1,1,2-Trichloroethane	<0.5	1,2,3-Trichlorobenzene	<1
2-Hexanone	<10		

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

GCMS Library Search Compound Report By EPA Method 8260D Dual Acquisition

Client Sample ID:	ETMW2	Client:	Envision Environmental
Date Received:	09/17/21	Project:	Ball Kent 302, REX, F&BI 109299
Date Extracted:	09/18/21	Lab ID:	109299-12
Date Analyzed:	09/20/21	Data File:	092019.D
Matrix:	Water	Instrument:	GCMS13
Units:	ug/L (ppb)	Operator:	JCM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	107	85	117
Toluene-d8	90	88	112
4-Bromofluorobenzene	101	90	111

Tentative ID	CAS #	Qual.	Conc.
Benzene, 4-ethyl-1,2-dimethyl-	000934-80-5	94	1.2

Note: Only compounds above spectral quality 85 have been reported.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID: MW105R	Client: Envision Environmental
Date Received: 09/17/21	Project: Ball Kent 302, REX, F&BI 109299
Date Extracted: 09/18/21	Lab ID: 109299-13
Date Analyzed: 09/20/21	Data File: 092020.D
Matrix: Water	Instrument: GCMS13
Units: ug/L (ppb)	Operator: JCM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	112	85	117
Toluene-d8	94	88	112
4-Bromofluorobenzene	98	90	111

Compounds:	Concentration ug/L (ppb)	Compounds:	Concentration ug/L (ppb)
Dichlorodifluoromethane	<1	1,3-Dichloropropane	<1
Chloromethane	<10	Tetrachloroethene	<1
Vinyl chloride	4.3	Dibromochloromethane	<0.5
Bromomethane	<5	1,2-Dibromoethane (EDB)	<0.01 j
Chloroethane	320 ve	Chlorobenzene	<1
Trichlorofluoromethane	<1	Ethylbenzene	<1
Acetone	<50	1,1,1,2-Tetrachloroethane	<1
1,1-Dichloroethene	<1	m,p-Xylene	<2
Hexane	<5	o-Xylene	<1
Methylene chloride	<5	Styrene	<1
Methyl t-butyl ether (MTBE)	<1 ca jl	Isopropylbenzene	<1
trans-1,2-Dichloroethene	<1	Bromoform	<5
1,1-Dichloroethane	100	n-Propylbenzene	<1
2,2-Dichloropropane	<1 ca jl	Bromobenzene	<1
cis-1,2-Dichloroethene	<1	1,3,5-Trimethylbenzene	<1
Chloroform	<1	1,1,2,2-Tetrachloroethane	<0.2
2-Butanone (MEK)	<20	1,2,3-Trichloropropane	<0.072 j
1,2-Dichloroethane (EDC)	1.9	2-Chlorotoluene	<1
1,1,1-Trichloroethane	1.6	4-Chlorotoluene	<1
1,1-Dichloropropene	<1	tert-Butylbenzene	<1
Carbon tetrachloride	<0.5	1,2,4-Trimethylbenzene	<1
Benzene	<0.35	sec-Butylbenzene	<1
Trichloroethene	<0.5	p-Isopropyltoluene	<1
1,2-Dichloropropane	<1	1,3-Dichlorobenzene	<1
Bromodichloromethane	<0.5	1,4-Dichlorobenzene	<1
Dibromomethane	<1	1,2-Dichlorobenzene	<1
4-Methyl-2-pentanone	<10	1,2-Dibromo-3-chloropropane	<0.14 j
cis-1,3-Dichloropropene	<0.4	1,2,4-Trichlorobenzene	<1
Toluene	<1	Hexachlorobutadiene	<0.5
trans-1,3-Dichloropropene	<0.4 ca	Naphthalene	<1
1,1,2-Trichloroethane	<0.5	1,2,3-Trichlorobenzene	<1
2-Hexanone	<10		

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

GCMS Library Search Compound Report By EPA Method 8260D Dual Acquisition

Client Sample ID:	MW105R	Client:	Envision Environmental
Date Received:	09/17/21	Project:	Ball Kent 302, REX, F&BI 109299
Date Extracted:	09/18/21	Lab ID:	109299-13
Date Analyzed:	09/20/21	Data File:	092020.D
Matrix:	Water	Instrument:	GCMS13
Units:	ug/L (ppb)	Operator:	JCM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	112	85	117
Toluene-d8	94	88	112
4-Bromofluorobenzene	98	90	111

Tentative ID	CAS #	Qual.	Conc.
Ethane, 1,1'-thiobis-	000352-93-2	91	4.3
Butane, 1,3-dichloro-	001190-22-3	90	3.0
Ethane, 1,2-dichloro-1,1,2-trifluoro-	000354-23-4	91	2.7
1-Propene, 1,1,3-trichloro-2-methyl	031702-33-7	87	1.6

Note: Only compounds above spectral quality 85 have been reported.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260D

Client Sample ID:	MW105R	Client:	Envision Environmental
Date Received:	09/17/21	Project:	Ball Kent 302, REX, F&BI 109299
Date Extracted:	09/17/21	Lab ID:	109299-13 1/20
Date Analyzed:	09/20/21	Data File:	092032.D
Matrix:	Water	Instrument:	GCMS4
Units:	ug/L (ppb)	Operator:	JCM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	101	86	113
Toluene-d8	101	88	114
4-Bromofluorobenzene	99	88	112

Compounds:	Concentration ug/L (ppb)
Chloroethane	310

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID: Dup2	Client: Envision Environmental
Date Received: 09/17/21	Project: Ball Kent 302, REX, F&BI 109299
Date Extracted: 09/18/21	Lab ID: 109299-14
Date Analyzed: 09/20/21	Data File: 092021.D
Matrix: Water	Instrument: GCMS13
Units: ug/L (ppb)	Operator: JCM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	113	85	117
Toluene-d8	91	88	112
4-Bromofluorobenzene	97	90	111

Compounds:	Concentration ug/L (ppb)	Compounds:	Concentration ug/L (ppb)
Dichlorodifluoromethane	<1	1,3-Dichloropropane	<1
Chloromethane	<10	Tetrachloroethene	<1
Vinyl chloride	4.1	Dibromochloromethane	<0.5
Bromomethane	<5	1,2-Dibromoethane (EDB)	<0.01 j
Chloroethane	330 ve	Chlorobenzene	<1
Trichlorofluoromethane	<1	Ethylbenzene	<1
Acetone	<50	1,1,1,2-Tetrachloroethane	<1
1,1-Dichloroethene	<1	m,p-Xylene	<2
Hexane	<5	o-Xylene	<1
Methylene chloride	<5	Styrene	<1
Methyl t-butyl ether (MTBE)	<1 ca jl	Isopropylbenzene	<1
trans-1,2-Dichloroethene	<1	Bromoform	<5
1,1-Dichloroethane	100	n-Propylbenzene	<1
2,2-Dichloropropane	<1 ca jl	Bromobenzene	<1
cis-1,2-Dichloroethene	<1	1,3,5-Trimethylbenzene	<1
Chloroform	<1	1,1,2,2-Tetrachloroethane	<0.2
2-Butanone (MEK)	<20	1,2,3-Trichloropropane	<0.072 j
1,2-Dichloroethane (EDC)	1.8	2-Chlorotoluene	<1
1,1,1-Trichloroethane	1.6	4-Chlorotoluene	<1
1,1-Dichloropropene	<1	tert-Butylbenzene	<1
Carbon tetrachloride	<0.5	1,2,4-Trimethylbenzene	<1
Benzene	<0.35	sec-Butylbenzene	<1
Trichloroethene	<0.5	p-Isopropyltoluene	<1
1,2-Dichloropropane	<1	1,3-Dichlorobenzene	<1
Bromodichloromethane	<0.5	1,4-Dichlorobenzene	<1
Dibromomethane	<1	1,2-Dichlorobenzene	<1
4-Methyl-2-pentanone	<10	1,2-Dibromo-3-chloropropane	<0.14 j
cis-1,3-Dichloropropene	<0.4	1,2,4-Trichlorobenzene	<1
Toluene	<1	Hexachlorobutadiene	<0.5
trans-1,3-Dichloropropene	<0.4 ca	Naphthalene	<1
1,1,2-Trichloroethane	<0.5	1,2,3-Trichlorobenzene	<1
2-Hexanone	<10		

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

GCMS Library Search Compound Report By EPA Method 8260D Dual Acquisition

Client Sample ID:	Dup2	Client:	Envision Environmental
Date Received:	09/17/21	Project:	Ball Kent 302, REX, F&BI 109299
Date Extracted:	09/18/21	Lab ID:	109299-14
Date Analyzed:	09/20/21	Data File:	092021.D
Matrix:	Water	Instrument:	GCMS13
Units:	ug/L (ppb)	Operator:	JCM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	113	85	117
Toluene-d8	91	88	112
4-Bromofluorobenzene	97	90	111

Tentative ID	CAS #	Qual.	Conc.
Ethane, 1,1'-thiobis-	000352-93-2	91	4.4
Butane, 1,3-dichloro-	001190-22-3	90	3.0
Ethane, 1,2-dichloro-1,1,2-trifluoro-	000354-23-4	91	2.6

Note: Only compounds above spectral quality 85 have been reported.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260D

Client Sample ID:	Dup2	Client:	Envision Environmental
Date Received:	09/17/21	Project:	Ball Kent 302, REX, F&BI 109299
Date Extracted:	09/17/21	Lab ID:	109299-14 1/20
Date Analyzed:	09/20/21	Data File:	092033.D
Matrix:	Water	Instrument:	GCMS4
Units:	ug/L (ppb)	Operator:	JCM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	98	86	113
Toluene-d8	98	88	114
4-Bromofluorobenzene	96	88	112

Compounds:	Concentration ug/L (ppb)
Chloroethane	300

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID: MW101	Client: Envision Environmental
Date Received: 09/17/21	Project: Ball Kent 302, REX, F&BI 109299
Date Extracted: 09/18/21	Lab ID: 109299-15
Date Analyzed: 09/20/21	Data File: 092022.D
Matrix: Water	Instrument: GCMS13
Units: ug/L (ppb)	Operator: JCM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	117	85	117
Toluene-d8	94	88	112
4-Bromofluorobenzene	98	90	111

Compounds:	Concentration ug/L (ppb)	Compounds:	Concentration ug/L (ppb)
Dichlorodifluoromethane	<1	1,3-Dichloropropane	<1
Chloromethane	<10	Tetrachloroethene	<1
Vinyl chloride	1.3	Dibromochloromethane	<0.5
Bromomethane	<5	1,2-Dibromoethane (EDB)	<0.01 j
Chloroethane	6.9	Chlorobenzene	<1
Trichlorofluoromethane	<1	Ethylbenzene	<1
Acetone	<50	1,1,1,2-Tetrachloroethane	<1
1,1-Dichloroethene	<1	m,p-Xylene	<2
Hexane	<5	o-Xylene	<1
Methylene chloride	<5	Styrene	<1
Methyl t-butyl ether (MTBE)	<1 ca jl	Isopropylbenzene	<1
trans-1,2-Dichloroethene	<1	Bromoform	<5
1,1-Dichloroethane	<1	n-Propylbenzene	<1
2,2-Dichloropropane	<1 ca jl	Bromobenzene	<1
cis-1,2-Dichloroethene	<1	1,3,5-Trimethylbenzene	<1
Chloroform	<1	1,1,2,2-Tetrachloroethane	<0.2
2-Butanone (MEK)	<20	1,2,3-Trichloropropane	<0.072 j
1,2-Dichloroethane (EDC)	<0.2	2-Chlorotoluene	<1
1,1,1-Trichloroethane	<1	4-Chlorotoluene	<1
1,1-Dichloropropene	<1	tert-Butylbenzene	<1
Carbon tetrachloride	<0.5	1,2,4-Trimethylbenzene	<1
Benzene	<0.35	sec-Butylbenzene	<1
Trichloroethene	<0.5	p-Isopropyltoluene	<1
1,2-Dichloropropane	<1	1,3-Dichlorobenzene	<1
Bromodichloromethane	<0.5	1,4-Dichlorobenzene	<1
Dibromomethane	<1	1,2-Dichlorobenzene	<1
4-Methyl-2-pentanone	<10	1,2-Dibromo-3-chloropropane	<0.14 j
cis-1,3-Dichloropropene	<0.4	1,2,4-Trichlorobenzene	<1
Toluene	<1	Hexachlorobutadiene	<0.5
trans-1,3-Dichloropropene	<0.4 ca	Naphthalene	<1
1,1,2-Trichloroethane	<0.5	1,2,3-Trichlorobenzene	<1
2-Hexanone	<10		

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

GCMS Library Search Compound Report By EPA Method 8260D Dual Acquisition

Client Sample ID:	MW101	Client:	Envision Environmental
Date Received:	09/17/21	Project:	Ball Kent 302, REX, F&BI 109299
Date Extracted:	09/18/21	Lab ID:	109299-15
Date Analyzed:	09/20/21	Data File:	092022.D
Matrix:	Water	Instrument:	GCMS13
Units:	ug/L (ppb)	Operator:	JCM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	117	85	117
Toluene-d8	94	88	112
4-Bromofluorobenzene	98	90	111

Tentative ID	CAS #	Qual.	Conc.
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Note: There were no library search compounds detected with a spectral quality of 85 or greater.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID:	MW106	Client:	Envision Environmental
Date Received:	09/17/21	Project:	Ball Kent 302, REX, F&BI 109299
Date Extracted:	09/18/21	Lab ID:	109299-16
Date Analyzed:	09/20/21	Data File:	092023.D
Matrix:	Water	Instrument:	GCMS13
Units:	ug/L (ppb)	Operator:	JCM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	116	85	117
Toluene-d8	91	88	112
4-Bromofluorobenzene	97	90	111

Compounds:	Concentration ug/L (ppb)	Compounds:	Concentration ug/L (ppb)
Dichlorodifluoromethane	<1	1,3-Dichloropropane	<1
Chloromethane	<10	Tetrachloroethene	<1
Vinyl chloride	0.20	Dibromochloromethane	<0.5
Bromomethane	<5	1,2-Dibromoethane (EDB)	<0.01 j
Chloroethane	85	Chlorobenzene	<1
Trichlorofluoromethane	<1	Ethylbenzene	<1
Acetone	<50	1,1,1,2-Tetrachloroethane	<1
1,1-Dichloroethene	<1	m,p-Xylene	<2
Hexane	<5	o-Xylene	<1
Methylene chloride	<5	Styrene	<1
Methyl t-butyl ether (MTBE)	<1 ca jl	Isopropylbenzene	<1
trans-1,2-Dichloroethene	<1	Bromoform	<5
1,1-Dichloroethane	<1	n-Propylbenzene	<1
2,2-Dichloropropane	<1 ca jl	Bromobenzene	<1
cis-1,2-Dichloroethene	<1	1,3,5-Trimethylbenzene	<1
Chloroform	<1	1,1,2,2-Tetrachloroethane	<0.2
2-Butanone (MEK)	<20	1,2,3-Trichloropropane	<0.072 j
1,2-Dichloroethane (EDC)	0.55	2-Chlorotoluene	<1
1,1,1-Trichloroethane	<1	4-Chlorotoluene	<1
1,1-Dichloropropene	<1	tert-Butylbenzene	<1
Carbon tetrachloride	<0.5	1,2,4-Trimethylbenzene	<1
Benzene	<0.35	sec-Butylbenzene	<1
Trichloroethene	<0.5	p-Isopropyltoluene	<1
1,2-Dichloropropane	<1	1,3-Dichlorobenzene	<1
Bromodichloromethane	<0.5	1,4-Dichlorobenzene	<1
Dibromomethane	<1	1,2-Dichlorobenzene	<1
4-Methyl-2-pentanone	<10	1,2-Dibromo-3-chloropropane	<0.14 j
cis-1,3-Dichloropropene	<0.4	1,2,4-Trichlorobenzene	<1
Toluene	<1	Hexachlorobutadiene	<0.5
trans-1,3-Dichloropropene	<0.4 ca	Naphthalene	<1
1,1,2-Trichloroethane	<0.5	1,2,3-Trichlorobenzene	<1
2-Hexanone	<10		

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

GCMS Library Search Compound Report By EPA Method 8260D Dual Acquisition

Client Sample ID:	MW106	Client:	Envision Environmental
Date Received:	09/17/21	Project:	Ball Kent 302, REX, F&BI 109299
Date Extracted:	09/18/21	Lab ID:	109299-16
Date Analyzed:	09/20/21	Data File:	092023.D
Matrix:	Water	Instrument:	GCMS13
Units:	ug/L (ppb)	Operator:	JCM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	116	85	117
Toluene-d8	91	88	112
4-Bromofluorobenzene	97	90	111

Tentative ID	CAS #	Qual.	Conc.
Benzene, 1-ethyl-3-methyl-	000620-14-4	91	1.1

Note: Only compounds above spectral quality 85 have been reported.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID:	FB1	Client:	Envision Environmental
Date Received:	09/17/21	Project:	Ball Kent 302, REX, F&BI 109299
Date Extracted:	09/18/21	Lab ID:	109299-17
Date Analyzed:	09/20/21	Data File:	092024.D
Matrix:	Water	Instrument:	GCMS13
Units:	ug/L (ppb)	Operator:	JCM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	121 vo	85	117
Toluene-d8	93	88	112
4-Bromofluorobenzene	98	90	111

Compounds:	Concentration ug/L (ppb)	Compounds:	Concentration ug/L (ppb)
Dichlorodifluoromethane	<1	1,3-Dichloropropane	<1
Chloromethane	<10	Tetrachloroethene	<1
Vinyl chloride	<0.02	Dibromochloromethane	<0.5
Bromomethane	<5	1,2-Dibromoethane (EDB)	<0.01 j
Chloroethane	<1	Chlorobenzene	<1
Trichlorofluoromethane	<1	Ethylbenzene	<1
Acetone	<50	1,1,1,2-Tetrachloroethane	<1
1,1-Dichloroethene	<1	m,p-Xylene	<2
Hexane	<5	o-Xylene	<1
Methylene chloride	6.7 ca jl js lc	Styrene	<1
Methyl t-butyl ether (MTBE)	<1 ca jl	Isopropylbenzene	<1
trans-1,2-Dichloroethene	<1	Bromoform	<5
1,1-Dichloroethane	<1	n-Propylbenzene	<1
2,2-Dichloropropane	<1 ca jl	Bromobenzene	<1
cis-1,2-Dichloroethene	<1	1,3,5-Trimethylbenzene	<1
Chloroform	<1	1,1,2,2-Tetrachloroethane	<0.2
2-Butanone (MEK)	<20	1,2,3-Trichloropropane	<0.072 j
1,2-Dichloroethane (EDC)	<0.2	2-Chlorotoluene	<1
1,1,1-Trichloroethane	<1	4-Chlorotoluene	<1
1,1-Dichloropropene	<1	tert-Butylbenzene	<1
Carbon tetrachloride	<0.5	1,2,4-Trimethylbenzene	<1
Benzene	<0.35	sec-Butylbenzene	<1
Trichloroethene	<0.5	p-Isopropyltoluene	<1
1,2-Dichloropropane	<1	1,3-Dichlorobenzene	<1
Bromodichloromethane	<0.5	1,4-Dichlorobenzene	<1
Dibromomethane	<1	1,2-Dichlorobenzene	<1
4-Methyl-2-pentanone	<10	1,2-Dibromo-3-chloropropane	<0.14 j
cis-1,3-Dichloropropene	<0.4	1,2,4-Trichlorobenzene	<1
Toluene	<1	Hexachlorobutadiene	<0.5
trans-1,3-Dichloropropene	<0.4 ca	Naphthalene	<1
1,1,2-Trichloroethane	<0.5	1,2,3-Trichlorobenzene	<1
2-Hexanone	<10		

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

GCMS Library Search Compound Report By EPA Method 8260D Dual Acquisition

Client Sample ID:	FB1	Client:	Envision Environmental
Date Received:	09/17/21	Project:	Ball Kent 302, REX, F&BI 109299
Date Extracted:	09/18/21	Lab ID:	109299-17
Date Analyzed:	09/20/21	Data File:	092024.D
Matrix:	Water	Instrument:	GCMS13
Units:	ug/L (ppb)	Operator:	JCM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	121	85	117
Toluene-d8	93	88	112
4-Bromofluorobenzene	98	90	111

Tentative ID	CAS #	Qual.	Conc.
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Note: There were no library search compounds detected with a spectral quality of 85 or greater.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID:	MW108	Client:	Envision Environmental
Date Received:	09/17/21	Project:	Ball Kent 302, REX, F&BI 109299
Date Extracted:	09/18/21	Lab ID:	109299-18
Date Analyzed:	09/20/21	Data File:	092025.D
Matrix:	Water	Instrument:	GCMS13
Units:	ug/L (ppb)	Operator:	JCM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	116	85	117
Toluene-d8	89	88	112
4-Bromofluorobenzene	96	90	111

Compounds:	Concentration ug/L (ppb)	Compounds:	Concentration ug/L (ppb)
Dichlorodifluoromethane	<1	1,3-Dichloropropane	<1
Chloromethane	<10	Tetrachloroethene	3.5
Vinyl chloride	160 ve	Dibromochloromethane	<0.5
Bromomethane	<5	1,2-Dibromoethane (EDB)	<0.01 j
Chloroethane	2,400 ve	Chlorobenzene	<1
Trichlorofluoromethane	<1	Ethylbenzene	<1
Acetone	<50	1,1,1,2-Tetrachloroethane	<1
1,1-Dichloroethene	370 ve	m,p-Xylene	<2
Hexane	<5	o-Xylene	3.9
Methylene chloride	<5	Styrene	<1
Methyl t-butyl ether (MTBE)	<1 ca jl	Isopropylbenzene	<1
trans-1,2-Dichloroethene	1.3	Bromoform	<5
1,1-Dichloroethane	1,200 ve	n-Propylbenzene	<1
2,2-Dichloropropane	<1 ca jl	Bromobenzene	<1
cis-1,2-Dichloroethene	3.2	1,3,5-Trimethylbenzene	1.6
Chloroform	<1	1,1,2,2-Tetrachloroethane	<0.2
2-Butanone (MEK)	<20	1,2,3-Trichloropropane	<0.072 j
1,2-Dichloroethane (EDC)	5.8	2-Chlorotoluene	<1
1,1,1-Trichloroethane	1,500 ve	4-Chlorotoluene	<1
1,1-Dichloropropene	<1	tert-Butylbenzene	<1
Carbon tetrachloride	<0.5	1,2,4-Trimethylbenzene	4.7
Benzene	0.46	sec-Butylbenzene	<1
Trichloroethene	1.1	p-Isopropyltoluene	<1
1,2-Dichloropropane	<1	1,3-Dichlorobenzene	<1
Bromodichloromethane	<0.5	1,4-Dichlorobenzene	<1
Dibromomethane	<1	1,2-Dichlorobenzene	<1
4-Methyl-2-pentanone	<10	1,2-Dibromo-3-chloropropane	<0.14 j
cis-1,3-Dichloropropene	<0.4	1,2,4-Trichlorobenzene	<1
Toluene	10	Hexachlorobutadiene	<0.5
trans-1,3-Dichloropropene	<0.4 ca	Naphthalene	<1
1,1,2-Trichloroethane	<0.5	1,2,3-Trichlorobenzene	<1
2-Hexanone	<10		

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

GCMS Library Search Compound Report By EPA Method 8260D Dual Acquisition

Client Sample ID:	MW108	Client:	Envision Environmental
Date Received:	09/17/21	Project:	Ball Kent 302, REX, F&BI 109299
Date Extracted:	09/18/21	Lab ID:	109299-18
Date Analyzed:	09/20/21	Data File:	092025.D
Matrix:	Water	Instrument:	GCMS13
Units:	ug/L (ppb)	Operator:	JCM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	116	85	117
Toluene-d8	89	88	112
4-Bromofluorobenzene	96	90	111

Tentative ID	CAS #	Qual.	Conc.
Butane, 1,3-dichloro-	001190-22-3	90	94
Cyclopropane, 1,1-dimethyl-	001630-94-0	87	42
Ethane, (methylthio)-	000624-89-5	94	10
Ethane, 1,2-dichloro-1,1,2-trifluoro-	000354-23-4	91	6.9
Benzene, 1-ethyl-2-methyl-	000611-14-3	94	4.5
Benzene, 1-ethyl-3-methyl-	000620-14-4	94	3.1
Benzene, 1,2,3-trimethyl-	000526-73-8	91	2.1

Note: Only compounds above spectral quality 85 have been reported.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260D

Client Sample ID:	MW108	Client:	Envision Environmental
Date Received:	09/17/21	Project:	Ball Kent 302, REX, F&BI 109299
Date Extracted:	09/17/21	Lab ID:	109299-18 1/100
Date Analyzed:	09/20/21	Data File:	092034.D
Matrix:	Water	Instrument:	GCMS4
Units:	ug/L (ppb)	Operator:	JCM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	100	86	113
Toluene-d8	99	88	114
4-Bromofluorobenzene	98	88	112

Compounds:	Concentration ug/L (ppb)
Vinyl chloride	100
Chloroethane	2,300
Chloroethane	2,300
1,1-Dichloroethene	120
1,1-Dichloroethane	1,200
1,1-Dichloroethene	120
1,1,1-Trichloroethane	1,700

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID:	Method Blank	Client:	Envision Environmental
Date Received:	Not Applicable	Project:	Ball Kent 302, REX, F&BI 109299
Date Extracted:	09/20/21	Lab ID:	01-2119 mb
Date Analyzed:	09/20/21	Data File:	092007.D
Matrix:	Water	Instrument:	GCMS13
Units:	ug/L (ppb)	Operator:	JCM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	104	85	117
Toluene-d8	97	88	112
4-Bromofluorobenzene	101	90	111

Compounds:	Concentration ug/L (ppb)	Compounds:	Concentration ug/L (ppb)
Dichlorodifluoromethane	<1	1,3-Dichloropropane	<1
Chloromethane	<10	Tetrachloroethene	<1
Vinyl chloride	<0.02	Dibromochloromethane	<0.5
Bromomethane	<5	1,2-Dibromoethane (EDB)	0.013 c j
Chloroethane	<1	Chlorobenzene	<1
Trichlorofluoromethane	<1	Ethylbenzene	<1
Acetone	<50	1,1,1,2-Tetrachloroethane	<1
1,1-Dichloroethene	<1	m,p-Xylene	<2
Hexane	<5	o-Xylene	<1
Methylene chloride	<5	Styrene	<1
Methyl t-butyl ether (MTBE)	<1	Isopropylbenzene	<1
trans-1,2-Dichloroethene	<1	Bromoform	<5
1,1-Dichloroethane	<1	n-Propylbenzene	<1
2,2-Dichloropropane	<1	Bromobenzene	<1
cis-1,2-Dichloroethene	<1	1,3,5-Trimethylbenzene	<1
Chloroform	<1	1,1,2,2-Tetrachloroethane	<0.2
2-Butanone (MEK)	<20	1,2,3-Trichloropropane	<0.072 j
1,2-Dichloroethane (EDC)	<0.2	2-Chlorotoluene	<1
1,1,1-Trichloroethane	<1	4-Chlorotoluene	<1
1,1-Dichloropropene	<1	tert-Butylbenzene	<1
Carbon tetrachloride	<0.5	1,2,4-Trimethylbenzene	<1
Benzene	<0.35	sec-Butylbenzene	<1
Trichloroethene	<0.5	p-Isopropyltoluene	<1
1,2-Dichloropropane	<1	1,3-Dichlorobenzene	<1
Bromodichloromethane	<0.5	1,4-Dichlorobenzene	<1
Dibromomethane	<1	1,2-Dichlorobenzene	<1
4-Methyl-2-pentanone	<10	1,2-Dibromo-3-chloropropane	<10
cis-1,3-Dichloropropene	<0.4	1,2,4-Trichlorobenzene	<0.14 j
Toluene	<1	Hexachlorobutadiene	<0.5
trans-1,3-Dichloropropene	<0.4	Naphthalene	<1
1,1,2-Trichloroethane	<0.5	1,2,3-Trichlorobenzene	<1
2-Hexanone	<10		

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

GCMS Library Search Compound Report By EPA Method 8260D Dual Acquisition

Client Sample ID:	Method Blank	Client:	Envision Environmental
Date Received:	Not Applicable	Project:	Ball Kent 302, REX, F&BI 109299
Date Extracted:	09/20/21	Lab ID:	01-2119 mb
Date Analyzed:	09/20/21	Data File:	092007.D
Matrix:	Water	Instrument:	GCMS13
Units:	ug/L (ppb)	Operator:	JCM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	104	85	117
Toluene-d8	97	88	112
4-Bromofluorobenzene	101	90	111

Tentative ID	CAS #	Qual.	Conc.
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Note: There were no library search compounds detected with a spectral quality of 85 or greater.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260D SIM

Client Sample ID:	ETMW3	Client:	Envision Environmental
Date Received:	09/17/21	Project:	Ball Kent 302, REX, F&BI 109299
Date Extracted:	09/21/21	Lab ID:	109299-02
Date Analyzed:	09/22/21	Data File:	092134.D
Matrix:	Water	Instrument:	GCMS13
Units:	ug/L (ppb)	Operator:	JCM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	101	50	150
Toluene-d8	98	50	150
4-Bromofluorobenzene	97	50	150

Compounds:	Concentration ug/L (ppb)
1,4-Dioxane	<0.4

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260D SIM

Client Sample ID:	MW103	Client:	Envision Environmental
Date Received:	09/17/21	Project:	Ball Kent 302, REX, F&BI 109299
Date Extracted:	09/21/21	Lab ID:	109299-03
Date Analyzed:	09/22/21	Data File:	092135.D
Matrix:	Water	Instrument:	GCMS13
Units:	ug/L (ppb)	Operator:	JCM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	100	50	150
Toluene-d8	98	50	150
4-Bromofluorobenzene	98	50	150

Compounds:	Concentration ug/L (ppb)
1,4-Dioxane	10

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260D SIM

Client Sample ID:	MW104	Client:	Envision Environmental
Date Received:	09/17/21	Project:	Ball Kent 302, REX, F&BI 109299
Date Extracted:	09/21/21	Lab ID:	109299-04
Date Analyzed:	09/22/21	Data File:	092136.D
Matrix:	Water	Instrument:	GCMS13
Units:	ug/L (ppb)	Operator:	JCM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	100	50	150
Toluene-d8	100	50	150
4-Bromofluorobenzene	101	50	150

Compounds:	Concentration ug/L (ppb)
1,4-Dioxane	<0.4

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260D SIM

Client Sample ID:	MW107	Client:	Envision Environmental
Date Received:	09/17/21	Project:	Ball Kent 302, REX, F&BI 109299
Date Extracted:	09/21/21	Lab ID:	109299-05
Date Analyzed:	09/22/21	Data File:	092137.D
Matrix:	Water	Instrument:	GCMS13
Units:	ug/L (ppb)	Operator:	JCM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	100	50	150
Toluene-d8	100	50	150
4-Bromofluorobenzene	101	50	150

Compounds:	Concentration ug/L (ppb)
1,4-Dioxane	<0.4

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260D SIM

Client Sample ID:	Dup1	Client:	Envision Environmental
Date Received:	09/17/21	Project:	Ball Kent 302, REX, F&BI 109299
Date Extracted:	09/21/21	Lab ID:	109299-06
Date Analyzed:	09/22/21	Data File:	092138.D
Matrix:	Water	Instrument:	GCMS13
Units:	ug/L (ppb)	Operator:	JCM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	100	50	150
Toluene-d8	100	50	150
4-Bromofluorobenzene	98	50	150

Compounds:	Concentration ug/L (ppb)
1,4-Dioxane	<0.4

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260D SIM

Client Sample ID:	FB	Client:	Envision Environmental
Date Received:	09/17/21	Project:	Ball Kent 302, REX, F&BI 109299
Date Extracted:	09/21/21	Lab ID:	109299-07
Date Analyzed:	09/22/21	Data File:	092139.D
Matrix:	Water	Instrument:	GCMS13
Units:	ug/L (ppb)	Operator:	JCM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	100	50	150
Toluene-d8	100	50	150
4-Bromofluorobenzene	100	50	150

Compounds:	Concentration ug/L (ppb)
1,4-Dioxane	<0.4

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260D SIM

Client Sample ID:	MW113	Client:	Envision Environmental
Date Received:	09/17/21	Project:	Ball Kent 302, REX, F&BI 109299
Date Extracted:	09/21/21	Lab ID:	109299-08
Date Analyzed:	09/22/21	Data File:	092140.D
Matrix:	Water	Instrument:	GCMS13
Units:	ug/L (ppb)	Operator:	JCM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	100	50	150
Toluene-d8	100	50	150
4-Bromofluorobenzene	100	50	150

Compounds:	Concentration ug/L (ppb)
1,4-Dioxane	<0.4

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260D SIM

Client Sample ID:	MW201	Client:	Envision Environmental
Date Received:	09/17/21	Project:	Ball Kent 302, REX, F&BI 109299
Date Extracted:	09/21/21	Lab ID:	109299-09
Date Analyzed:	09/22/21	Data File:	092141.D
Matrix:	Water	Instrument:	GCMS13
Units:	ug/L (ppb)	Operator:	JCM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	100	50	150
Toluene-d8	98	50	150
4-Bromofluorobenzene	100	50	150

Compounds:	Concentration ug/L (ppb)
1,4-Dioxane	<0.4

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260D SIM

Client Sample ID:	ETMW7	Client:	Envision Environmental
Date Received:	09/17/21	Project:	Ball Kent 302, REX, F&BI 109299
Date Extracted:	09/21/21	Lab ID:	109299-10 1/100
Date Analyzed:	09/22/21	Data File:	092208.D
Matrix:	Water	Instrument:	GCMS13
Units:	ug/L (ppb)	Operator:	JCM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	100	50	150
Toluene-d8	100	50	150
4-Bromofluorobenzene	102	50	150

Compounds:	Concentration ug/L (ppb)
1,4-Dioxane	310

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260D SIM

Client Sample ID:	MW102	Client:	Envision Environmental
Date Received:	09/17/21	Project:	Ball Kent 302, REX, F&BI 109299
Date Extracted:	09/21/21	Lab ID:	109299-11 1/10
Date Analyzed:	09/22/21	Data File:	092209.D
Matrix:	Water	Instrument:	GCMS13
Units:	ug/L (ppb)	Operator:	JCM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	101	50	150
Toluene-d8	101	50	150
4-Bromofluorobenzene	102	50	150

Compounds:	Concentration ug/L (ppb)
1,4-Dioxane	91

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260D SIM

Client Sample ID:	ETMW2	Client:	Envision Environmental
Date Received:	09/17/21	Project:	Ball Kent 302, REX, F&BI 109299
Date Extracted:	09/21/21	Lab ID:	109299-12
Date Analyzed:	09/22/21	Data File:	092206.D
Matrix:	Water	Instrument:	GCMS13
Units:	ug/L (ppb)	Operator:	JCM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	101	50	150
Toluene-d8	99	50	150
4-Bromofluorobenzene	100	50	150

Compounds:	Concentration ug/L (ppb)
1,4-Dioxane	0.72

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260D SIM

Client Sample ID:	MW105R	Client:	Envision Environmental
Date Received:	09/17/21	Project:	Ball Kent 302, REX, F&BI 109299
Date Extracted:	09/21/21	Lab ID:	109299-13 1/10
Date Analyzed:	09/22/21	Data File:	092210.D
Matrix:	Water	Instrument:	GCMS13
Units:	ug/L (ppb)	Operator:	JCM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	100	50	150
Toluene-d8	101	50	150
4-Bromofluorobenzene	102	50	150

Compounds:	Concentration ug/L (ppb)
1,4-Dioxane	60

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260D SIM

Client Sample ID:	Dup2	Client:	Envision Environmental
Date Received:	09/17/21	Project:	Ball Kent 302, REX, F&BI 109299
Date Extracted:	09/21/21	Lab ID:	109299-14 1/10
Date Analyzed:	09/22/21	Data File:	092211.D
Matrix:	Water	Instrument:	GCMS13
Units:	ug/L (ppb)	Operator:	JCM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	100	50	150
Toluene-d8	101	50	150
4-Bromofluorobenzene	103	50	150

Compounds:	Concentration ug/L (ppb)
1,4-Dioxane	51

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260D SIM

Client Sample ID:	MW101	Client:	Envision Environmental
Date Received:	09/17/21	Project:	Ball Kent 302, REX, F&BI 109299
Date Extracted:	09/21/21	Lab ID:	109299-15 1/10
Date Analyzed:	09/22/21	Data File:	092212.D
Matrix:	Water	Instrument:	GCMS13
Units:	ug/L (ppb)	Operator:	JCM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	99	50	150
Toluene-d8	101	50	150
4-Bromofluorobenzene	104	50	150

Compounds:	Concentration ug/L (ppb)
1,4-Dioxane	21

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260D SIM

Client Sample ID:	MW106	Client:	Envision Environmental
Date Received:	09/17/21	Project:	Ball Kent 302, REX, F&BI 109299
Date Extracted:	09/21/21	Lab ID:	109299-16 1/100
Date Analyzed:	09/22/21	Data File:	092213.D
Matrix:	Water	Instrument:	GCMS13
Units:	ug/L (ppb)	Operator:	JCM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	100	50	150
Toluene-d8	101	50	150
4-Bromofluorobenzene	104	50	150

Compounds:	Concentration ug/L (ppb)
1,4-Dioxane	150

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260D SIM

Client Sample ID:	FB1	Client:	Envision Environmental
Date Received:	09/17/21	Project:	Ball Kent 302, REX, F&BI 109299
Date Extracted:	09/21/21	Lab ID:	109299-17
Date Analyzed:	09/22/21	Data File:	092207.D
Matrix:	Water	Instrument:	GCMS13
Units:	ug/L (ppb)	Operator:	JCM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	99	50	150
Toluene-d8	100	50	150
4-Bromofluorobenzene	102	50	150

Compounds:	Concentration ug/L (ppb)
1,4-Dioxane	<0.4

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260D SIM

Client Sample ID:	MW108	Client:	Envision Environmental
Date Received:	09/17/21	Project:	Ball Kent 302, REX, F&BI 109299
Date Extracted:	09/21/21	Lab ID:	109299-18 1/1000
Date Analyzed:	09/22/21	Data File:	092214.D
Matrix:	Water	Instrument:	GCMS13
Units:	ug/L (ppb)	Operator:	JCM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	99	50	150
Toluene-d8	101	50	150
4-Bromofluorobenzene	102	50	150

Compounds:	Concentration ug/L (ppb)
1,4-Dioxane	3,200

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260D SIM

Client Sample ID:	Method Blank	Client:	Envision Environmental
Date Received:	Not Applicable	Project:	Ball Kent 302, REX, F&BI 109299
Date Extracted:	09/21/21	Lab ID:	01-2129 mb
Date Analyzed:	09/22/21	Data File:	092130.D
Matrix:	Water	Instrument:	GCMS13
Units:	ug/L (ppb)	Operator:	JCM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	100	50	150
Toluene-d8	100	50	150
4-Bromofluorobenzene	102	50	150

Compounds:	Concentration ug/L (ppb)
1,4-Dioxane	<0.4

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 09/27/21

Date Received: 09/17/21

Project: Ball Kent 302, REX, F&BI 109299

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR VOLATILES BY EPA METHOD 8260D

Laboratory Code: 109335-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	Percent	Acceptance Criteria
				Recovery MS	
Dichlorodifluoromethane	ug/L (ppb)	10	<1	124	50-150
Chloromethane	ug/L (ppb)	10	<10	143	50-150
Vinyl chloride	ug/L (ppb)	10	<0.02	127	16-176
Bromomethane	ug/L (ppb)	10	<5	127	10-193
Chloroethane	ug/L (ppb)	10	<1	118	50-150
Trichlorofluoromethane	ug/L (ppb)	10	<1	170 vo	50-150
Acetone	ug/L (ppb)	50	<50	69	15-179
1,1-Dichloroethene	ug/L (ppb)	10	<1	142	50-150
Hexane	ug/L (ppb)	10	<5	77	49-161
Methylene chloride	ug/L (ppb)	10	<5	120	40-143
Methyl t-butyl ether (MTBE)	ug/L (ppb)	10	<1	46 vo	50-150
trans-1,2-Dichloroethene	ug/L (ppb)	10	<1	104	50-150
1,1-Dichloroethane	ug/L (ppb)	10	<1	102	50-150
2,2-Dichloropropane	ug/L (ppb)	10	<1	37	10-335
cis-1,2-Dichloroethene	ug/L (ppb)	10	<1	111	50-150
Chloroform	ug/L (ppb)	10	<1	113	50-150
2-Butanone (MEK)	ug/L (ppb)	50	<20	67	34-168
1,2-Dichloroethane (EDC)	ug/L (ppb)	10	<0.2	113	50-150
1,1,1-Trichloroethane	ug/L (ppb)	10	<1	81	50-150
1,1-Dichloropropene	ug/L (ppb)	10	<1	98	50-150
Carbon tetrachloride	ug/L (ppb)	10	<0.5	72	50-150
Benzene	ug/L (ppb)	10	<0.35	92	50-150
Trichloroethene	ug/L (ppb)	10	<0.5	100	43-133
1,2-Dichloropropane	ug/L (ppb)	10	<1	94	50-150
Bromodichloromethane	ug/L (ppb)	10	<0.5	99	50-150
Dibromomethane	ug/L (ppb)	10	<1	101	50-150
4-Methyl-2-pentanone	ug/L (ppb)	50	<10	109	50-150
cis-1,3-Dichloropropene	ug/L (ppb)	10	<0.4	82	48-145
Toluene	ug/L (ppb)	10	<1	96	50-150
trans-1,3-Dichloropropene	ug/L (ppb)	10	<0.4	70	37-152
1,1,2-Trichloroethane	ug/L (ppb)	10	<0.5	113	50-150
2-Hexanone	ug/L (ppb)	50	<10	85	50-150
1,3-Dichloropropane	ug/L (ppb)	10	<1	99	50-150
Tetrachloroethene	ug/L (ppb)	10	<1	99	50-150
Dibromochloromethane	ug/L (ppb)	10	<0.5	99	33-164
1,2-Dibromoethane (EDB)	ug/L (ppb)	10	<1	86	50-150
Chlorobenzene	ug/L (ppb)	10	<1	96	50-150
Ethylbenzene	ug/L (ppb)	10	<1	92	50-150
1,1,1,2-Tetrachloroethane	ug/L (ppb)	10	<1	106	50-150
m,p-Xylene	ug/L (ppb)	20	<2	96	50-150
o-Xylene	ug/L (ppb)	10	<1	98	50-150
Styrene	ug/L (ppb)	10	<1	97	50-150
Isopropylbenzene	ug/L (ppb)	10	<1	93	50-150
Bromoform	ug/L (ppb)	10	<5	98	23-161
n-Propylbenzene	ug/L (ppb)	10	<1	86	50-150
Bromobenzene	ug/L (ppb)	10	<1	96	50-150
1,3,5-Trimethylbenzene	ug/L (ppb)	10	<1	103	50-150
1,1,2,2-Tetrachloroethane	ug/L (ppb)	10	<0.2	113	10-235
1,2,3-Trichloropropane	ug/L (ppb)	10	<1	107	33-151
2-Chlorotoluene	ug/L (ppb)	10	<1	97	50-150
4-Chlorotoluene	ug/L (ppb)	10	<1	97	50-150
tert-Butylbenzene	ug/L (ppb)	10	<1	84	50-150
1,2,4-Trimethylbenzene	ug/L (ppb)	10	<1	104	50-150
sec-Butylbenzene	ug/L (ppb)	10	<1	84	46-139
p-Isopropyltoluene	ug/L (ppb)	10	<1	92	46-140
1,3-Dichlorobenzene	ug/L (ppb)	10	<1	99	50-150
1,4-Dichlorobenzene	ug/L (ppb)	10	<1	99	50-150
1,2-Dichlorobenzene	ug/L (ppb)	10	<1	102	50-150
1,2-Dibromo-3-chloropropane	ug/L (ppb)	10	<10	106	50-150
1,2,4-Trichlorobenzene	ug/L (ppb)	10	<1	114	50-150
Hexachlorobutadiene	ug/L (ppb)	10	<0.5	91	42-150
Naphthalene	ug/L (ppb)	10	<1	127	50-150
1,2,3-Trichlorobenzene	ug/L (ppb)	10	<1	115	44-155

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 09/27/21

Date Received: 09/17/21

Project: Ball Kent 302, REX, F&BI 109299

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR VOLATILES BY EPA METHOD 8260D

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Dichlorodifluoromethane	ug/L (ppb)	10	128	122	70-130	5
Chloromethane	ug/L (ppb)	10	122	125	70-130	2
Vinyl chloride	ug/L (ppb)	10	125	120	70-130	4
Bromomethane	ug/L (ppb)	10	168	171	28-182	2
Chloroethane	ug/L (ppb)	10	114	108	70-130	5
Trichlorofluoromethane	ug/L (ppb)	10	167 vo	148 vo	70-130	12
Acetone	ug/L (ppb)	50	70	77	42-155	10
1,1-Dichloroethene	ug/L (ppb)	10	125	126	70-130	1
Hexane	ug/L (ppb)	10	93	91	50-161	2
Methylene chloride	ug/L (ppb)	10	184	156	29-192	16
Methyl t-butyl ether (MTBE)	ug/L (ppb)	10	51 vo	51 vo	70-130	0
trans-1,2-Dichloroethene	ug/L (ppb)	10	105	103	70-130	2
1,1-Dichloroethane	ug/L (ppb)	10	101	99	70-130	2
2,2-Dichloropropane	ug/L (ppb)	10	53 vo	51 vo	70-130	4
cis-1,2-Dichloroethene	ug/L (ppb)	10	108	106	70-130	2
Chloroform	ug/L (ppb)	10	111	106	70-130	5
2-Butanone (MEK)	ug/L (ppb)	50	70	71	50-157	1
1,2-Dichloroethane (EDC)	ug/L (ppb)	10	107	104	70-130	3
1,1,1-Trichloroethane	ug/L (ppb)	10	90	89	70-130	1
1,1-Dichloropropene	ug/L (ppb)	10	101	104	70-130	3
Carbon tetrachloride	ug/L (ppb)	10	87	85	70-130	2
Benzene	ug/L (ppb)	10	95	94	70-130	1
Trichloroethene	ug/L (ppb)	10	100	99	70-130	1
1,2-Dichloropropane	ug/L (ppb)	10	97	94	70-130	3
Bromodichloromethane	ug/L (ppb)	10	100	100	70-130	0
Dibromomethane	ug/L (ppb)	10	95	97	70-130	2
4-Methyl-2-pentanone	ug/L (ppb)	50	106	105	70-130	1
cis-1,3-Dichloropropene	ug/L (ppb)	10	87	83	70-130	5
Toluene	ug/L (ppb)	10	104	103	70-130	1
trans-1,3-Dichloropropene	ug/L (ppb)	10	79	74	70-130	7
1,1,2-Trichloroethane	ug/L (ppb)	10	109	109	70-130	0
2-Hexanone	ug/L (ppb)	50	85	84	69-130	1
1,3-Dichloropropane	ug/L (ppb)	10	96	94	70-130	2
Tetrachloroethene	ug/L (ppb)	10	107	106	70-130	1
Dibromochloromethane	ug/L (ppb)	10	112	104	63-142	7
1,2-Dibromoethane (EDB)	ug/L (ppb)	10	86	91	70-130	6
Chlorobenzene	ug/L (ppb)	10	103	102	70-130	1
Ethylbenzene	ug/L (ppb)	10	97	96	70-130	1
1,1,1,2-Tetrachloroethane	ug/L (ppb)	10	111	110	70-130	1
m,p-Xylene	ug/L (ppb)	20	97	97	70-130	0
o-Xylene	ug/L (ppb)	10	98	98	70-130	0
Styrene	ug/L (ppb)	10	99	98	70-130	1
Isopropylbenzene	ug/L (ppb)	10	94	94	70-130	0
Bromoform	ug/L (ppb)	10	125	116	50-157	7
n-Propylbenzene	ug/L (ppb)	10	95	94	70-130	1
Bromobenzene	ug/L (ppb)	10	109	106	70-130	3
1,3,5-Trimethylbenzene	ug/L (ppb)	10	107	105	52-150	2
1,1,2,2-Tetrachloroethane	ug/L (ppb)	10	120	118	70-130	2
1,2,3-Trichloropropane	ug/L (ppb)	10	113	111	70-130	2
2-Chlorotoluene	ug/L (ppb)	10	105	104	70-130	1
4-Chlorotoluene	ug/L (ppb)	10	102	102	70-130	0
tert-Butylbenzene	ug/L (ppb)	10	91	91	70-130	0
1,2,4-Trimethylbenzene	ug/L (ppb)	10	108	107	70-130	1
sec-Butylbenzene	ug/L (ppb)	10	90	91	70-130	1
p-Isopropyltoluene	ug/L (ppb)	10	96	97	70-130	1
1,3-Dichlorobenzene	ug/L (ppb)	10	106	105	70-130	1
1,4-Dichlorobenzene	ug/L (ppb)	10	104	103	70-130	1
1,2-Dichlorobenzene	ug/L (ppb)	10	106	105	70-130	1
1,2-Dibromo-3-chloropropane	ug/L (ppb)	10	117	114	70-130	3
1,2,4-Trichlorobenzene	ug/L (ppb)	10	115	114	70-130	1
Hexachlorobutadiene	ug/L (ppb)	10	100	102	70-130	2
Naphthalene	ug/L (ppb)	10	126	123	70-130	2
1,2,3-Trichlorobenzene	ug/L (ppb)	10	117	116	69-143	1

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 09/27/21

Date Received: 09/17/21

Project: Ball Kent 302, REX, F&BI 109299

**QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER
SAMPLES FOR VOLATILES BY EPA METHOD 8260D SIM**

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
1,4-Dioxane	ug/L (ppb)	2	103	87	70-130	17

Data Qualifiers & Definitions

a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.

b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.

ca - The calibration results for the analyte were outside of acceptance criteria. The value reported is an estimate.

c - The presence of the analyte may be due to carryover from previous sample injections.

cf - The sample was centrifuged prior to analysis.

d - The sample was diluted. Detection limits were raised and surrogate recoveries may not be meaningful.

dv - Insufficient sample volume was available to achieve normal reporting limits.

f - The sample was laboratory filtered prior to analysis.

fb - The analyte was detected in the method blank.

fc - The analyte is a common laboratory and field contaminant.

hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. Variability is attributed to sample inhomogeneity.

hs - Headspace was present in the container used for analysis.

ht - The analysis was performed outside the method or client-specified holding time requirement.

ip - Recovery fell outside of control limits due to sample matrix effects.

j - The analyte concentration is reported below the lowest calibration standard. The value reported is an estimate.

J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.

jl - The laboratory control sample(s) percent recovery and/or RPD were out of control limits. The reported concentration should be considered an estimate.

js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

lc - The presence of the analyte is likely due to laboratory contamination.

L - The reported concentration was generated from a library search.

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

pc - The sample was received with incorrect preservation or in a container not approved by the method. The value reported should be considered an estimate.

ve - The analyte response exceeded the valid instrument calibration range. The value reported is an estimate.

vo - The value reported fell outside the control limits established for this analyte.

x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

109299

SAMPLE CHAIN OF CUSTODY

NE 09-17-21

WJG

Report to Mark RomanCompany Envision Environmental IncAddress 11 Sleepy Hollow CtCity, State, ZIP Allenstown NJ 08801Phone 609 208 1885 Email mark.roman@envisionenv.comenvision environmental incWJA MTTCA

ANALYSES REQUESTED

SAMPLERS (signature) WJA MTTCA

PROJECT NAME

Ball Tent

PO #

302, PEX

REMARKS

INVOICE TO

Mark Roman

Project specific RLS? (Yes/No)

TURNAROUND TIME

☒ Standard turnaround

☐ RUSH

Rush charges authorized by: _____

SAMPLE DISPOSAL

☐ Archive samples

☐ Other _____

Default: Dispose after 30 days

Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of Jars	NWTPH-Dx	NWTPH-Gx	BTEX EPA 8021	NWTPH-HCID	VOCs EPA 8260	PAHs EPA 8270	PCBs EPA 8082	Notes
Top Blank	01 A B	9/15/21		Blank	2					X			
ET MW3	02 A-H		0957	GW	8					X			
MW103	03		1241	GW	8								
MW104	04		1135	GW	8								
MW107	05		1639	GW	8								
DUP1	06			GW	8								
FB	07		1703	Blank	8								
MW113	08		1756	GW	8								
MW201	09	9/16/21	0839	GW	8								
ET MW7	10	9/16/21	0945	GW	8								

SIGNATURE

PRINT NAME

COMPANY

DATE, TIME

Friedman & Bruya, Inc.

3012 16th Avenue West

Seattle, WA 98119-2029

Ph. (206) 285-8282

Relinquished by: <u>WJA MTTCA</u>	John Macklin	Envision	9/17/21	0746
Received by: <u>Mark Roman</u>	Nhan Phan	FE B I	9/17/21	0746
Relinquished by:				
Received by:		Samples received at <u>2</u>		°C

109299

SAMPLE CHAIN OF CUSTODY

ME 09-17-21

Page # 2 of 2

Report To Mark RomanCompany Emission Environmental IncAddress 11 Sleepy Hollow CtCity, State, ZIP Allenstam NJ 08801Phone 609 2081885 Email markroman@emissionenvironmental.comSAMPLERS (signature) Mark RomanPROJECT NAME Ball Leant

PO #

302, REF X

REMARKS

INVOICE TO

Mark Roman

Project specific RI's? (Yes/No)

ANALYSES REQUESTED

TURNAROUND TIME

☐ Standard turnaround

☐ RUSH

Rush charges authorized by: _____

SAMPLE DISPOSAL

☐ Archive samples

☐ Other _____

Default: Dispose after 30 days

Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of Jars	NWTPH-Dx	NWTPH-Gx	BTEX EPA 8021	NWTPH-HCID	VOCs EPA 8260	PAHs EPA 8270	PCBs EPA 8082	Notes
MW 102	11 A-H	9/16/21	1257	GLU	8					X			(X) analyse
ET MW 2	12		1205		3								per SW 9/17/21
MW 105 R	13		1450		3								ME
DCP 2	14				3								
MW 101	15		1610		3								
MW 106	16		1129		3								
FB 1	17		1003		3								
MW 108	18	9/16/21	1715	GW	8					(X)		(X) (X)	Added at lab (NP) 9/17

SIGNATURE

PRINT NAME

COMPANY

DATE

TIME

Relinquished by:

Relinquished by:

Relinquished by:

Relinquished by:

Friedman & Bruya, Inc.

3012 16th Avenue West

Seattle, WA 98119-2029

Received by:

Received by:

Ph. (206) 285-8282

Samples received at

2 °C