

08 April 2022

Work Order: 2203090

Price: \$900.00

Beth Vens
EGLE-RRD-SE MICHIGAN
27700 Donald Court
Warren, MI 48092
RE: VAN DYKE

This is the official environmental laboratory report for testing conducted by the Michigan Department of Environment, Great Lakes, and Energy. Analyses performed by the laboratory were conducted using methods published by the U.S. Environmental Protection Agency, Standard Methods for the Examination of Water and Wastewater, ASTM, or other published or approved reference methods.

Kirby Shane
Laboratory Director

EGLE-RRD-SE MICHIGAN
27700 Donald Court
Warren MI, 48092

Project: VAN DYKE
Site Code: LB042220
Project Manager: Beth Vens

Reported:
04/08/2022

Analytical Report for Samples

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received	Qualifier
SWP-5	2203090-01	Air	03/10/2022	03/14/2022	
SWP-6	2203090-02	Air	03/10/2022	03/14/2022	
SWP-4	2203090-03	Air	03/10/2022	03/14/2022	
SWP-1	2203090-04	Air	03/10/2022	03/14/2022	
SWP-7	2203090-05	Air	03/10/2022	03/14/2022	

Notes and Definitions

Y11	Unidentified peaks present in sample.
X1	Method TO-15 is used for the analysis of volatile organic compounds in air. Naphthalene and 2-Methylnaphthalene are semi volatile compounds and results should be considered estimated.
T	Reported value is less than the reporting limit (RL). Result is estimated.
ND	Indicates compound analyzed for but not detected at or above the reporting limit (RL).
RL	Reporting Limit
NA	Not Applicable

Case Narrative

Samples were received **3/14/2022 4:30:00PM** for client **EGLE-RRD-SE MICHIGAN** as a part of project **VAN DYKE**.

Samples were logged and designated as Work Order # **2203090** on **3/15/2022 9:16:00AM**.

This Report was created **4/8/2022 8:16:56AM**.

Additional Notes/Narrative (if applicable):



MICHIGAN DEPARTMENT OF
ENVIRONMENT, GREAT LAKES, AND ENERGY

MICHIGAN DEPARTMENT OF
ENVIRONMENT, GREAT LAKES, AND ENERGY
ENVIRONMENTAL LABORATORY

P.O. Box 30270
Lansing, MI 48909
TEL: (517) 335-9800
FAX: (517) 335-9600

Client ID: SWP-5

Lab ID: 2203090-01

CAS #	Analyte	Result	RL	Units	Dilution	Analyzed Date	QC Batch	Method	Analyst	Qualifier
Organics-Volatiles										
71-55-6	1,1,1-Trichloroethane	ND	1.6	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
79-00-5	1,1,2-Trichloroethane	ND	1.6	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
75-34-3	1,1-Dichloroethane	ND	1.2	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
75-35-4	1,1-Dichloroethylene	ND	1.2	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
87-61-6	1,2,3-Trichlorobenzene	ND	7.2	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
96-18-4	1,2,3-Trichloropropane	ND	1.8	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
526-73-8	1,2,3-Trimethylbenzene	ND	1.4	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
120-82-1	1,2,4-Trichlorobenzene	ND	3.6	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
95-63-6	1,2,4-Trimethylbenzene	ND	1.4	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
106-93-4	1,2-Dibromoethane	ND	2.2	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
95-50-1	1,2-Dichlorobenzene	ND	1.8	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
107-06-2	1,2-Dichloroethane	ND	1.2	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
78-87-5	1,2-Dichloropropane	ND	1.3	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
108-67-8	1,3,5-Trimethylbenzene	ND	1.4	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
106-99-0	1,3-Butadiene	ND	0.64	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
541-73-1	1,3-Dichlorobenzene	ND	1.8	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
106-46-7	1,4-Dichlorobenzene	ND	1.8	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
540-84-1	2,2,4-Trimethylpentane	ND	1.4	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
78-93-3	2-Butanone (MEK)	ND	14	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
91-57-6	2-Methylnaphthalene	ND	28	ug/m3	1	03/24/22	B2C2819	TO-15	CA	X1
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	4.0	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
75-05-8	Acetonitrile	ND	1.6	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
107-13-1	Acrylonitrile	ND	1.1	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
71-43-2	Benzene	ND	0.93	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
75-27-4	Bromodichloromethane	11	2.0	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
75-25-2	Bromoform	ND	3.0	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
74-83-9	Bromomethane	ND	1.1	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
56-23-5	Carbon tetrachloride	ND	1.8	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
108-90-7	Chlorobenzene	ND	1.3	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
75-00-3	Chloroethane	ND	0.77	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
67-66-3	Chloroform	26	1.4	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
74-87-3	Chloromethane	0.83	0.60	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
156-59-2	cis-1,2-Dichloroethylene	4.4	1.2	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
10061-01-5	cis-1,3-Dichloropropylene	ND	1.3	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
110-82-7	Cyclohexane	ND	1.0	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
124-48-1	Dibromochloromethane	3.7	2.5	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
75-71-8	Dichlorodifluoromethane	2.5	1.4	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
100-41-4	Ethylbenzene	ND	1.3	ug/m3	1	03/24/22	B2C2819	TO-15	CA	



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TEL: (517) 335-9800
FAX: (517) 335-9600

Client ID: SWP-5

Lab ID: 2203090-01

CAS #	Analyte	Result	RL	Units	Dilution	Analyzed Date	QC Batch	Method	Analyst	Qualifier
Organics-Volatiles										
110-54-3	Hexane	ND	3.4	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
98-82-8	Isopropylbenzene	ND	1.4	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
1330-20-7	m & p - Xylene	ND	1.3	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
75-09-2	Methylene chloride	ND	1.0	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
1634-04-4	Methyltertiarybutylether	ND	1.8	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
91-20-3	Naphthalene	ND	25	ug/m3	1	03/24/22	B2C2819	TO-15	CA	X1
104-51-8	n-Butylbenzene	ND	5.3	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
103-65-1	n-Propylbenzene	ND	1.4	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
95-47-6	o-Xylene	ND	1.3	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
135-98-8	sec-Butylbenzene	ND	1.6	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
100-42-5	Styrene	ND	1.2	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
127-18-4	Tetrachloroethylene	61	2.0	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
108-88-3	Toluene	1.1	1.1	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
156-60-5	trans-1,2-Dichloroethylene	ND	1.2	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
10061-02-6	trans-1,3-Dichloropropylene	ND	1.3	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
79-01-6	Trichloroethylene	3.3	1.6	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
75-69-4	Trichlorofluoromethane	ND	1.6	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
75-01-4	Vinyl chloride	0.76	0.75	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
<i>Surrogate: Bromofluorobenzene</i>			<i>101 %</i>	<i>70-130</i>		<i>03/24/22</i>	<i>B2C2819</i>	<i>TO-15</i>	<i>CA</i>	



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P.O. Box 30270
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TEL: (517) 335-9800
FAX: (517) 335-9600

Client ID: SWP-6

Lab ID: 2203090-02

CAS #	Analyte	Result	RL	Units	Dilution	Analyzed Date	QC Batch	Method	Analyst	Qualifier
Organics-Volatiles										
71-55-6	1,1,1-Trichloroethane	ND	1.6	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
79-00-5	1,1,2-Trichloroethane	ND	1.6	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
75-34-3	1,1-Dichloroethane	ND	1.2	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
75-35-4	1,1-Dichloroethylene	ND	1.2	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
87-61-6	1,2,3-Trichlorobenzene	ND	7.2	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
96-18-4	1,2,3-Trichloropropane	ND	1.8	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
526-73-8	1,2,3-Trimethylbenzene	ND	1.4	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
120-82-1	1,2,4-Trichlorobenzene	ND	3.6	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
95-63-6	1,2,4-Trimethylbenzene	ND	1.4	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
106-93-4	1,2-Dibromoethane	ND	2.2	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
95-50-1	1,2-Dichlorobenzene	ND	1.8	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
107-06-2	1,2-Dichloroethane	ND	1.2	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
78-87-5	1,2-Dichloropropane	ND	1.3	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
108-67-8	1,3,5-Trimethylbenzene	ND	1.4	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
106-99-0	1,3-Butadiene	ND	0.64	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
541-73-1	1,3-Dichlorobenzene	ND	1.8	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
106-46-7	1,4-Dichlorobenzene	ND	1.8	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
540-84-1	2,2,4-Trimethylpentane	ND	1.4	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
78-93-3	2-Butanone (MEK)	ND	14	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
91-57-6	2-Methylnaphthalene	ND	28	ug/m3	1	03/24/22	B2C2819	TO-15	CA	X1
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	4.0	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
75-05-8	Acetonitrile	ND	1.6	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
107-13-1	Acrylonitrile	ND	1.1	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
71-43-2	Benzene	1.0	0.93	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
75-27-4	Bromodichloromethane	ND	2.0	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
75-25-2	Bromoform	ND	3.0	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
74-83-9	Bromomethane	ND	1.1	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
56-23-5	Carbon tetrachloride	ND	1.8	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
108-90-7	Chlorobenzene	ND	1.3	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
75-00-3	Chloroethane	ND	0.77	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
67-66-3	Chloroform	ND	1.4	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
74-87-3	Chloromethane	1.1	0.60	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
156-59-2	cis-1,2-Dichloroethylene	ND	1.2	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
10061-01-5	cis-1,3-Dichloropropylene	ND	1.3	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
110-82-7	Cyclohexane	ND	1.0	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
124-48-1	Dibromochloromethane	ND	2.5	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
75-71-8	Dichlorodifluoromethane	2.3	1.4	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
100-41-4	Ethylbenzene	ND	1.3	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
110-54-3	Hexane	ND	3.4	ug/m3	1	03/24/22	B2C2819	TO-15	CA	



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Client ID: SWP-6

Lab ID: 2203090-02

CAS #	Analyte	Result	RL	Units	Dilution	Analyzed Date	QC Batch	Method	Analyst	Qualifier
Organics-Volatiles										
98-82-8	Isopropylbenzene	ND	1.4	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
1330-20-7	m & p - Xylene	ND	1.3	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
75-09-2	Methylene chloride	ND	1.0	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
1634-04-4	Methyltertiarybutylether	ND	1.8	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
91-20-3	Naphthalene	ND	25	ug/m3	1	03/24/22	B2C2819	TO-15	CA	X1
104-51-8	n-Butylbenzene	ND	5.3	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
103-65-1	n-Propylbenzene	ND	1.4	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
95-47-6	o-Xylene	ND	1.3	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
135-98-8	sec-Butylbenzene	ND	1.6	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
100-42-5	Styrene	ND	1.2	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
127-18-4	Tetrachloroethylene	25	2.0	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
108-88-3	Toluene	1.4	1.1	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
156-60-5	trans-1,2-Dichloroethylene	ND	1.2	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
10061-02-6	trans-1,3-Dichloropropylene	ND	1.3	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
79-01-6	Trichloroethylene	ND	1.6	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
75-69-4	Trichlorofluoromethane	ND	1.6	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
75-01-4	Vinyl chloride	ND	0.75	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
<i>Surrogate: Bromofluorobenzene</i>			<i>101 %</i>	<i>70-130</i>		<i>03/24/22</i>	<i>B2C2819</i>	<i>TO-15</i>	<i>CA</i>	



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Client ID: SWP-4

Lab ID: 2203090-03

CAS #	Analyte	Result	RL	Units	Dilution	Analyzed Date	QC Batch	Method	Analyst	Qualifier
Organics-Volatiles										See note Y11
71-55-6	1,1,1-Trichloroethane	ND	1.6	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
79-00-5	1,1,2-Trichloroethane	ND	1.6	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
75-34-3	1,1-Dichloroethane	ND	1.2	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
75-35-4	1,1-Dichloroethylene	ND	1.2	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
87-61-6	1,2,3-Trichlorobenzene	ND	7.2	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
96-18-4	1,2,3-Trichloropropane	ND	1.8	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
526-73-8	1,2,3-Trimethylbenzene	ND	1.4	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
120-82-1	1,2,4-Trichlorobenzene	ND	3.6	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
95-63-6	1,2,4-Trimethylbenzene	ND	1.4	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
106-93-4	1,2-Dibromoethane	ND	2.2	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
95-50-1	1,2-Dichlorobenzene	ND	1.8	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
107-06-2	1,2-Dichloroethane	ND	1.2	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
78-87-5	1,2-Dichloropropane	ND	1.3	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
108-67-8	1,3,5-Trimethylbenzene	ND	1.4	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
106-99-0	1,3-Butadiene	ND	0.64	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
541-73-1	1,3-Dichlorobenzene	ND	1.8	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
106-46-7	1,4-Dichlorobenzene	ND	1.8	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
540-84-1	2,2,4-Trimethylpentane	ND	1.4	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
78-93-3	2-Butanone (MEK)	150	14	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
91-57-6	2-Methylnaphthalene	ND	28	ug/m3	1	03/24/22	B2C2819	TO-15	CA	X1
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	4.0	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
75-05-8	Acetonitrile	ND	1.6	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
107-13-1	Acrylonitrile	ND	1.1	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
71-43-2	Benzene	ND	0.93	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
75-27-4	Bromodichloromethane	11	2.0	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
75-25-2	Bromoform	ND	3.0	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
74-83-9	Bromomethane	ND	1.1	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
56-23-5	Carbon tetrachloride	ND	1.8	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
108-90-7	Chlorobenzene	ND	1.3	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
75-00-3	Chloroethane	ND	0.77	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
67-66-3	Chloroform	28	1.4	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
74-87-3	Chloromethane	0.51	0.60	ug/m3	1	03/24/22	B2C2819	TO-15	CA	T
156-59-2	cis-1,2-Dichloroethylene	7.8	1.2	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
10061-01-5	cis-1,3-Dichloropropylene	ND	1.3	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
110-82-7	Cyclohexane	ND	1.0	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
124-48-1	Dibromochloromethane	3.9	2.5	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
75-71-8	Dichlorodifluoromethane	2.4	1.4	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
100-41-4	Ethylbenzene	ND	1.3	ug/m3	1	03/24/22	B2C2819	TO-15	CA	



MICHIGAN DEPARTMENT OF
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ENVIRONMENTAL LABORATORY

P.O. Box 30270
Lansing, MI 48909
TEL: (517) 335-9800
FAX: (517) 335-9600

Client ID: SWP-4

Lab ID: 2203090-03

CAS #	Analyte	Result	RL	Units	Dilution	Analyzed Date	QC Batch	Method	Analyst	Qualifier
Organics-Volatiles										See note Y11
110-54-3	Hexane	ND	3.4	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
98-82-8	Isopropylbenzene	ND	1.4	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
1330-20-7	m & p - Xylene	1.2	1.3	ug/m3	1	03/24/22	B2C2819	TO-15	CA	T
75-09-2	Methylene chloride	ND	1.0	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
1634-04-4	Methyltertiarybutylether	ND	1.8	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
91-20-3	Naphthalene	ND	25	ug/m3	1	03/24/22	B2C2819	TO-15	CA	X1
104-51-8	n-Butylbenzene	ND	5.3	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
103-65-1	n-Propylbenzene	ND	1.4	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
95-47-6	o-Xylene	ND	1.3	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
135-98-8	sec-Butylbenzene	ND	1.6	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
100-42-5	Styrene	ND	1.2	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
127-18-4	Tetrachloroethylene	36	2.0	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
108-88-3	Toluene	2.8	1.1	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
156-60-5	trans-1,2-Dichloroethylene	ND	1.2	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
10061-02-6	trans-1,3-Dichloropropylene	ND	1.3	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
79-01-6	Trichloroethylene	2.4	1.6	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
75-69-4	Trichlorofluoromethane	ND	1.6	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
75-01-4	Vinyl chloride	1.1	0.75	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
Surrogate: Bromofluorobenzene			101 %	70-130		03/24/22	B2C2819	TO-15	CA	



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ENVIRONMENTAL LABORATORY

P.O. Box 30270
Lansing, MI 48909
TEL: (517) 335-9800
FAX: (517) 335-9600

Client ID: SWP-1

Lab ID: 2203090-04

CAS #	Analyte	Result	RL	Units	Dilution	Analyzed Date	QC Batch	Method	Analyst	Qualifier
Organics-Volatiles										
71-55-6	1,1,1-Trichloroethane	ND	1.6	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
79-00-5	1,1,2-Trichloroethane	ND	1.6	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
75-34-3	1,1-Dichloroethane	ND	1.2	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
75-35-4	1,1-Dichloroethylene	ND	1.2	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
87-61-6	1,2,3-Trichlorobenzene	ND	7.2	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
96-18-4	1,2,3-Trichloropropane	ND	1.8	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
526-73-8	1,2,3-Trimethylbenzene	ND	1.4	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
120-82-1	1,2,4-Trichlorobenzene	ND	3.6	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
95-63-6	1,2,4-Trimethylbenzene	ND	1.4	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
106-93-4	1,2-Dibromoethane	ND	2.2	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
95-50-1	1,2-Dichlorobenzene	ND	1.8	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
107-06-2	1,2-Dichloroethane	ND	1.2	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
78-87-5	1,2-Dichloropropane	ND	1.3	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
108-67-8	1,3,5-Trimethylbenzene	ND	1.4	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
106-99-0	1,3-Butadiene	ND	0.64	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
541-73-1	1,3-Dichlorobenzene	ND	1.8	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
106-46-7	1,4-Dichlorobenzene	ND	1.8	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
540-84-1	2,2,4-Trimethylpentane	ND	1.4	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
78-93-3	2-Butanone (MEK)	ND	14	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
91-57-6	2-Methylnaphthalene	ND	28	ug/m3	1	03/24/22	B2C2819	TO-15	CA	X1
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	4.0	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
75-05-8	Acetonitrile	ND	1.6	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
107-13-1	Acrylonitrile	ND	1.1	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
71-43-2	Benzene	0.94	0.93	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
75-27-4	Bromodichloromethane	ND	2.0	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
75-25-2	Bromoform	ND	3.0	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
74-83-9	Bromomethane	ND	1.1	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
56-23-5	Carbon tetrachloride	ND	1.8	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
108-90-7	Chlorobenzene	ND	1.3	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
75-00-3	Chloroethane	ND	0.77	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
67-66-3	Chloroform	ND	1.4	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
74-87-3	Chloromethane	0.80	0.60	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
156-59-2	cis-1,2-Dichloroethylene	ND	1.2	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
10061-01-5	cis-1,3-Dichloropropylene	ND	1.3	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
110-82-7	Cyclohexane	ND	1.0	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
124-48-1	Dibromochloromethane	ND	2.5	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
75-71-8	Dichlorodifluoromethane	2.4	1.4	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
100-41-4	Ethylbenzene	ND	1.3	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
110-54-3	Hexane	ND	3.4	ug/m3	1	03/24/22	B2C2819	TO-15	CA	



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ENVIRONMENTAL LABORATORY

P.O. Box 30270
Lansing, MI 48909
TEL: (517) 335-9800
FAX: (517) 335-9600

Client ID: SWP-1

Lab ID: 2203090-04

CAS #	Analyte	Result	RL	Units	Dilution	Analyzed Date	QC Batch	Method	Analyst	Qualifier
Organics-Volatiles										
98-82-8	Isopropylbenzene	ND	1.4	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
1330-20-7	m & p - Xylene	1.6	1.3	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
75-09-2	Methylene chloride	ND	1.0	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
1634-04-4	Methyltertiarybutylether	ND	1.8	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
91-20-3	Naphthalene	ND	25	ug/m3	1	03/24/22	B2C2819	TO-15	CA	X1
104-51-8	n-Butylbenzene	ND	5.3	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
103-65-1	n-Propylbenzene	ND	1.4	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
95-47-6	o-Xylene	ND	1.3	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
135-98-8	sec-Butylbenzene	ND	1.6	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
100-42-5	Styrene	ND	1.2	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
127-18-4	Tetrachloroethylene	ND	2.0	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
108-88-3	Toluene	2.6	1.1	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
156-60-5	trans-1,2-Dichloroethylene	ND	1.2	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
10061-02-6	trans-1,3-Dichloropropylene	ND	1.3	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
79-01-6	Trichloroethylene	ND	1.6	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
75-69-4	Trichlorofluoromethane	ND	1.6	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
75-01-4	Vinyl chloride	ND	0.75	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
<i>Surrogate: Bromofluorobenzene</i>			<i>103 %</i>	<i>70-130</i>		<i>03/24/22</i>	<i>B2C2819</i>	<i>TO-15</i>	<i>CA</i>	



MICHIGAN DEPARTMENT OF
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MICHIGAN DEPARTMENT OF
ENVIRONMENT, GREAT LAKES, AND ENERGY
ENVIRONMENTAL LABORATORY

P.O. Box 30270
Lansing, MI 48909
TEL: (517) 335-9800
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Client ID: SWP-7

Lab ID: 2203090-05

CAS #	Analyte	Result	RL	Units	Dilution	Analyzed Date	QC Batch	Method	Analyst	Qualifier
Organics-Volatiles										See note Y11
71-55-6	1,1,1-Trichloroethane	ND	1.6	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
79-00-5	1,1,2-Trichloroethane	ND	1.6	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
75-34-3	1,1-Dichloroethane	ND	1.2	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
75-35-4	1,1-Dichloroethylene	1.5	1.2	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
87-61-6	1,2,3-Trichlorobenzene	ND	7.2	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
96-18-4	1,2,3-Trichloropropane	ND	1.8	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
526-73-8	1,2,3-Trimethylbenzene	ND	1.4	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
120-82-1	1,2,4-Trichlorobenzene	ND	3.6	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
95-63-6	1,2,4-Trimethylbenzene	ND	1.4	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
106-93-4	1,2-Dibromoethane	ND	2.2	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
95-50-1	1,2-Dichlorobenzene	ND	1.8	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
107-06-2	1,2-Dichloroethane	ND	1.2	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
78-87-5	1,2-Dichloropropane	ND	1.3	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
108-67-8	1,3,5-Trimethylbenzene	ND	1.4	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
106-99-0	1,3-Butadiene	ND	0.64	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
541-73-1	1,3-Dichlorobenzene	ND	1.8	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
106-46-7	1,4-Dichlorobenzene	ND	1.8	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
540-84-1	2,2,4-Trimethylpentane	ND	1.4	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
78-93-3	2-Butanone (MEK)	ND	14	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
91-57-6	2-Methylnaphthalene	ND	28	ug/m3	1	03/24/22	B2C2819	TO-15	CA	X1
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	4.0	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
75-05-8	Acetonitrile	ND	1.6	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
107-13-1	Acrylonitrile	ND	1.1	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
71-43-2	Benzene	ND	0.93	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
75-27-4	Bromodichloromethane	28	2.0	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
75-25-2	Bromoform	ND	3.0	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
74-83-9	Bromomethane	ND	1.1	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
56-23-5	Carbon tetrachloride	ND	1.8	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
108-90-7	Chlorobenzene	ND	1.3	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
75-00-3	Chloroethane	ND	0.77	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
67-66-3	Chloroform	77	1.4	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
74-87-3	Chloromethane	1.1	0.60	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
156-59-2	cis-1,2-Dichloroethylene	390	1.2	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
10061-01-5	cis-1,3-Dichloropropylene	ND	1.3	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
110-82-7	Cyclohexane	ND	1.0	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
124-48-1	Dibromochloromethane	9.4	2.5	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
75-71-8	Dichlorodifluoromethane	2.5	1.4	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
100-41-4	Ethylbenzene	ND	1.3	ug/m3	1	03/24/22	B2C2819	TO-15	CA	



MICHIGAN DEPARTMENT OF
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ENVIRONMENTAL LABORATORY

P.O. Box 30270
Lansing, MI 48909
TEL: (517) 335-9800
FAX: (517) 335-9600

Client ID: SWP-7

Lab ID: 2203090-05

CAS #	Analyte	Result	RL	Units	Dilution	Analyzed Date	QC Batch	Method	Analyst	Qualifier
Organics-Volatiles										See note Y11
110-54-3	Hexane	ND	3.4	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
98-82-8	Isopropylbenzene	ND	1.4	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
1330-20-7	m & p - Xylene	2.2	1.3	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
75-09-2	Methylene chloride	ND	1.0	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
1634-04-4	Methyltertiarybutylether	ND	1.8	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
91-20-3	Naphthalene	ND	25	ug/m3	1	03/24/22	B2C2819	TO-15	CA	X1
104-51-8	n-Butylbenzene	ND	5.3	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
103-65-1	n-Propylbenzene	ND	1.4	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
95-47-6	o-Xylene	ND	1.3	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
135-98-8	sec-Butylbenzene	ND	1.6	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
100-42-5	Styrene	ND	1.2	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
127-18-4	Tetrachloroethylene	89	2.0	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
108-88-3	Toluene	3.1	1.1	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
156-60-5	trans-1,2-Dichloroethylene	5.9	1.2	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
10061-02-6	trans-1,3-Dichloropropylene	ND	1.3	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
79-01-6	Trichloroethylene	18	1.6	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
75-69-4	Trichlorofluoromethane	ND	1.6	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
75-01-4	Vinyl chloride	15	0.75	ug/m3	1	03/24/22	B2C2819	TO-15	CA	
Surrogate: Bromofluorobenzene			101 %	70-130		03/24/22	B2C2819	TO-15	CA	



Analysis Request Sheet

Lab Work Order Number

Project Name

Matrix

2203090

Van Dyke St.

AIR

Location ID

Program

CC Email 1

Project TAT Days

Sample Collector

Dept-Division-District

Activity

CC Email 2

Project Due Date

Sample Collector Phone

State Project Manager

Funding Source

CC Email 3

Accept Analysis
hold time codes

Contract Firm

State Project Manager Email

Location Code

Overflow Lab Choice 1

Contract Firm Primary Contact

State Project Manager Phone

SUD Location Code

Overflow Lab Choice 2

Primary Contact Phone

Lab Use Only	Field Sample Identification	Collection Date	Collection Time	Bottle Count	Comments	Regulator ID	Canister/Bottle Vac Number
1	01 SWP-5	3-10-22	1827	1	-2	X	1052
2	02 SWP-6	3-10-22	1840	1	-2	X	1485
3	03 SWP-4	3-10-22	1851	1	-2	X	1103
4	04 SWP-1	3-10-22	1869	1	-2	X	1346
5	05 SWP-7	3-10-22	1911	1	-2	X	1910
6							
7							
8							
9							
10							

ORGANIC CHEMISTRY

VOA - Volatile Organic Analysis

Bottle Vac 1 2 3 4 5 6 7 8 9 10
Canister - AQD 1 2 3 4 5 6 7 8 9 10
Canister - RRD 1 2 3 4 5 6 7 8 9 10
Tedlar - Volatiles 1 2 3 4 5 6 7 8 9 10

METH - Methane, Ethane, Ethene

Methane, Ethane, Ethene 1 2 3 4 5 6 7 8 9 10

Chain of Custody	Relinquished by	Received By	Date / Time
	Print Name & Org. Ben M. Hockstead AMEC Signature: [Signature]	Kyle Noye (AMEC) [Signature]	3/14/22 1500
	Print Name & Org. Kyle Noye (AMEC) Signature: [Signature]	Madeline Kane [Signature]	3/14/22 1630
	Print Name & Org. Signature:		