



**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

29 September 2021

Work Order: 2108203

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:**  
09/29/2021

### Analytical Report for Samples

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received	Qualifier
SWP-1	2108203-01	Air	08/25/2021	08/26/2021	
SWP-2	2108203-02	Air	08/25/2021	08/26/2021	
SWP-4	2108203-03	Air	08/25/2021	08/26/2021	
SWP-5	2108203-04	Air	08/25/2021	08/26/2021	
SWP-6	2108203-05	Air	08/25/2021	08/26/2021	

### Notes and Definitions

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



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TEL: (517) 335-9800  
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Client ID: SWP-1

Lab ID: 2108203-01

CAS #	Analyte	Result	RL	Units	Dilution	Analyzed Date	QC Batch	Method	Qualifier
<b>Organics-Volatiles</b>									
71-55-6	<b>1,1,1-Trichloroethane</b>	<b>4.9</b>	1.6	ug/m3	1	09/22/21	B112708	TO-15	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	ug/m3	1	09/22/21	B112708	TO-15	
79-00-5	1,1,2-Trichloroethane	ND	1.6	ug/m3	1	09/22/21	B112708	TO-15	
75-34-3	1,1-Dichloroethane	ND	1.2	ug/m3	1	09/22/21	B112708	TO-15	
75-35-4	1,1-Dichloroethylene	ND	1.2	ug/m3	1	09/22/21	B112708	TO-15	
87-61-6	1,2,3-Trichlorobenzene	ND	7.3	ug/m3	1	09/22/21	B112708	TO-15	
96-18-4	1,2,3-Trichloropropane	ND	1.8	ug/m3	1	09/22/21	B112708	TO-15	
526-73-8	1,2,3-Trimethylbenzene	ND	1.4	ug/m3	1	09/22/21	B112708	TO-15	
120-82-1	1,2,4-Trichlorobenzene	ND	3.6	ug/m3	1	09/22/21	B112708	TO-15	
95-63-6	<b>1,2,4-Trimethylbenzene</b>	<b>1.6</b>	1.4	ug/m3	1	09/22/21	B112708	TO-15	
106-93-4	1,2-Dibromoethane	ND	2.3	ug/m3	1	09/22/21	B112708	TO-15	
95-50-1	1,2-Dichlorobenzene	ND	1.8	ug/m3	1	09/22/21	B112708	TO-15	
107-06-2	1,2-Dichloroethane	ND	1.2	ug/m3	1	09/22/21	B112708	TO-15	
78-87-5	1,2-Dichloropropane	ND	1.4	ug/m3	1	09/22/21	B112708	TO-15	
108-67-8	1,3,5-Trimethylbenzene	ND	1.4	ug/m3	1	09/22/21	B112708	TO-15	
106-99-0	1,3-Butadiene	ND	0.65	ug/m3	1	09/22/21	B112708	TO-15	
541-73-1	1,3-Dichlorobenzene	ND	1.8	ug/m3	1	09/22/21	B112708	TO-15	
106-46-7	1,4-Dichlorobenzene	ND	1.8	ug/m3	1	09/22/21	B112708	TO-15	
540-84-1	2,2,4-Trimethylpentane	ND	1.4	ug/m3	1	09/22/21	B112708	TO-15	
78-93-3	2-Butanone (MEK)	ND	14	ug/m3	1	09/22/21	B112708	TO-15	
91-57-6	2-Methylnaphthalene	ND	28	ug/m3	1	09/22/21	B112708	TO-15	X1
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	4.0	ug/m3	1	09/22/21	B112708	TO-15	
75-05-8	Acetonitrile	ND	1.6	ug/m3	1	09/22/21	B112708	TO-15	
107-13-1	Acrylonitrile	ND	1.1	ug/m3	1	09/22/21	B112708	TO-15	
71-43-2	Benzene	ND	0.94	ug/m3	1	09/22/21	B112708	TO-15	
75-27-4	Bromodichloromethane	ND	2.0	ug/m3	1	09/22/21	B112708	TO-15	
75-25-2	Bromoform	ND	3.0	ug/m3	1	09/22/21	B112708	TO-15	
74-83-9	<b>Bromomethane</b>	<b>1.0</b>	1.1	ug/m3	1	09/22/21	B112708	TO-15	T
56-23-5	Carbon tetrachloride	ND	1.8	ug/m3	1	09/22/21	B112708	TO-15	
108-90-7	Chlorobenzene	ND	1.4	ug/m3	1	09/22/21	B112708	TO-15	
75-00-3	Chloroethane	ND	0.77	ug/m3	1	09/22/21	B112708	TO-15	
67-66-3	<b>Chloroform</b>	<b>3.6</b>	1.4	ug/m3	1	09/22/21	B112708	TO-15	
74-87-3	<b>Chloromethane</b>	<b>70</b>	0.61	ug/m3	1	09/22/21	B112708	TO-15	
156-59-2	cis-1,2-Dichloroethylene	ND	1.2	ug/m3	1	09/22/21	B112708	TO-15	
10061-01-5	cis-1,3-Dichloropropylene	ND	1.3	ug/m3	1	09/22/21	B112708	TO-15	
110-82-7	Cyclohexane	ND	1.0	ug/m3	1	09/22/21	B112708	TO-15	
124-48-1	Dibromochloromethane	ND	2.5	ug/m3	1	09/22/21	B112708	TO-15	
75-71-8	<b>Dichlorodifluoromethane</b>	<b>3.0</b>	1.5	ug/m3	1	09/22/21	B112708	TO-15	
100-41-4	Ethylbenzene	ND	1.3	ug/m3	1	09/22/21	B112708	TO-15	
110-54-3	Hexane	ND	3.4	ug/m3	1	09/22/21	B112708	TO-15	



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Client ID: SWP-1

Lab ID: 2108203-01

CAS #	Analyte	Result	RL	Units	Dilution	Analyzed Date	QC Batch	Method	Qualifier
<b>Organics-Volatiles</b>									
98-82-8	Isopropylbenzene	ND	1.4	ug/m3	1	09/22/21	B112708	TO-15	
1330-20-7	<b>m &amp; p - Xylene</b>	<b>1.3</b>	1.3	ug/m3	1	09/22/21	B112708	TO-15	
75-09-2	Methylene chloride	ND	1.0	ug/m3	1	09/22/21	B112708	TO-15	
1634-04-4	Methyltertiarybutylether	ND	1.8	ug/m3	1	09/22/21	B112708	TO-15	
91-20-3	Naphthalene	ND	26	ug/m3	1	09/22/21	B112708	TO-15	X1
104-51-8	n-Butylbenzene	ND	5.4	ug/m3	1	09/22/21	B112708	TO-15	
103-65-1	n-Propylbenzene	ND	1.4	ug/m3	1	09/22/21	B112708	TO-15	
95-47-6	o-Xylene	ND	1.3	ug/m3	1	09/22/21	B112708	TO-15	
135-98-8	sec-Butylbenzene	ND	1.6	ug/m3	1	09/22/21	B112708	TO-15	
100-42-5	Styrene	ND	1.2	ug/m3	1	09/22/21	B112708	TO-15	
127-18-4	<b>Tetrachloroethylene</b>	<b>120</b>	2.0	ug/m3	1	09/22/21	B112708	TO-15	
108-88-3	<b>Toluene</b>	<b>1.4</b>	1.1	ug/m3	1	09/22/21	B112708	TO-15	
156-60-5	trans-1,2-Dichloroethylene	ND	1.2	ug/m3	1	09/22/21	B112708	TO-15	
10061-02-6	trans-1,3-Dichloropropylene	ND	1.3	ug/m3	1	09/22/21	B112708	TO-15	
79-01-6	<b>Trichloroethylene</b>	<b>4.0</b>	1.6	ug/m3	1	09/22/21	B112708	TO-15	
75-69-4	<b>Trichlorofluoromethane</b>	<b>3.6</b>	1.6	ug/m3	1	09/22/21	B112708	TO-15	
75-01-4	Vinyl chloride	ND	0.75	ug/m3	1	09/22/21	B112708	TO-15	
<i>Surrogate: Bromofluorobenzene</i>			96.1 %	70-130		09/22/21	B112708	TO-15	



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P.O. Box 30270  
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TEL: (517) 335-9800  
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Client ID: SWP-2

Lab ID: 2108203-02

CAS #	Analyte	Result	RL	Units	Dilution	Analyzed Date	QC Batch	Method	Qualifier
<b>Organics-Volatiles</b>									
71-55-6	1,1,1-Trichloroethane	ND	1.6	ug/m3	1	09/22/21	B112708	TO-15	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	ug/m3	1	09/22/21	B112708	TO-15	
79-00-5	1,1,2-Trichloroethane	ND	1.6	ug/m3	1	09/22/21	B112708	TO-15	
75-34-3	1,1-Dichloroethane	ND	1.2	ug/m3	1	09/22/21	B112708	TO-15	
75-35-4	1,1-Dichloroethylene	ND	1.2	ug/m3	1	09/22/21	B112708	TO-15	
87-61-6	1,2,3-Trichlorobenzene	ND	7.3	ug/m3	1	09/22/21	B112708	TO-15	
96-18-4	1,2,3-Trichloropropane	ND	1.8	ug/m3	1	09/22/21	B112708	TO-15	
526-73-8	1,2,3-Trimethylbenzene	ND	1.4	ug/m3	1	09/22/21	B112708	TO-15	
120-82-1	1,2,4-Trichlorobenzene	ND	3.6	ug/m3	1	09/22/21	B112708	TO-15	
95-63-6	1,2,4-Trimethylbenzene	ND	1.4	ug/m3	1	09/22/21	B112708	TO-15	
106-93-4	1,2-Dibromoethane	ND	2.3	ug/m3	1	09/22/21	B112708	TO-15	
95-50-1	1,2-Dichlorobenzene	ND	1.8	ug/m3	1	09/22/21	B112708	TO-15	
107-06-2	1,2-Dichloroethane	ND	1.2	ug/m3	1	09/22/21	B112708	TO-15	
78-87-5	1,2-Dichloropropane	ND	1.4	ug/m3	1	09/22/21	B112708	TO-15	
108-67-8	1,3,5-Trimethylbenzene	ND	1.4	ug/m3	1	09/22/21	B112708	TO-15	
106-99-0	1,3-Butadiene	ND	0.65	ug/m3	1	09/22/21	B112708	TO-15	
541-73-1	1,3-Dichlorobenzene	ND	1.8	ug/m3	1	09/22/21	B112708	TO-15	
106-46-7	1,4-Dichlorobenzene	ND	1.8	ug/m3	1	09/22/21	B112708	TO-15	
540-84-1	2,2,4-Trimethylpentane	ND	1.4	ug/m3	1	09/22/21	B112708	TO-15	
78-93-3	2-Butanone (MEK)	ND	14	ug/m3	1	09/22/21	B112708	TO-15	
91-57-6	2-Methylnaphthalene	ND	28	ug/m3	1	09/22/21	B112708	TO-15	X1
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	4.0	ug/m3	1	09/22/21	B112708	TO-15	
75-05-8	Acetonitrile	ND	1.6	ug/m3	1	09/22/21	B112708	TO-15	
107-13-1	Acrylonitrile	ND	1.1	ug/m3	1	09/22/21	B112708	TO-15	
71-43-2	Benzene	ND	0.94	ug/m3	1	09/22/21	B112708	TO-15	
75-27-4	Bromodichloromethane	ND	2.0	ug/m3	1	09/22/21	B112708	TO-15	
75-25-2	Bromoform	ND	3.0	ug/m3	1	09/22/21	B112708	TO-15	
74-83-9	Bromomethane	ND	1.1	ug/m3	1	09/22/21	B112708	TO-15	
56-23-5	Carbon tetrachloride	ND	1.8	ug/m3	1	09/22/21	B112708	TO-15	
108-90-7	Chlorobenzene	ND	1.4	ug/m3	1	09/22/21	B112708	TO-15	
75-00-3	Chloroethane	ND	0.77	ug/m3	1	09/22/21	B112708	TO-15	
67-66-3	Chloroform	ND	1.4	ug/m3	1	09/22/21	B112708	TO-15	
74-87-3	<b>Chloromethane</b>	<b>0.70</b>	0.61	ug/m3	1	09/22/21	B112708	TO-15	
156-59-2	cis-1,2-Dichloroethylene	ND	1.2	ug/m3	1	09/22/21	B112708	TO-15	
10061-01-5	cis-1,3-Dichloropropylene	ND	1.3	ug/m3	1	09/22/21	B112708	TO-15	
110-82-7	Cyclohexane	ND	1.0	ug/m3	1	09/22/21	B112708	TO-15	
124-48-1	Dibromochloromethane	ND	2.5	ug/m3	1	09/22/21	B112708	TO-15	
75-71-8	<b>Dichlorodifluoromethane</b>	<b>2.1</b>	1.5	ug/m3	1	09/22/21	B112708	TO-15	
100-41-4	Ethylbenzene	ND	1.3	ug/m3	1	09/22/21	B112708	TO-15	
110-54-3	Hexane	ND	3.4	ug/m3	1	09/22/21	B112708	TO-15	



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Client ID: SWP-2

Lab ID: 2108203-02

CAS #	Analyte	Result	RL	Units	Dilution	Analyzed Date	QC Batch	Method	Qualifier
<b>Organics-Volatiles</b>									
98-82-8	Isopropylbenzene	ND	1.4	ug/m3	1	09/22/21	B112708	TO-15	
1330-20-7	m & p - Xylene	ND	1.3	ug/m3	1	09/22/21	B112708	TO-15	
75-09-2	Methylene chloride	ND	1.0	ug/m3	1	09/22/21	B112708	TO-15	
1634-04-4	Methyltertiarybutylether	ND	1.8	ug/m3	1	09/22/21	B112708	TO-15	
91-20-3	Naphthalene	ND	26	ug/m3	1	09/22/21	B112708	TO-15	X1
104-51-8	n-Butylbenzene	ND	5.4	ug/m3	1	09/22/21	B112708	TO-15	
103-65-1	n-Propylbenzene	ND	1.4	ug/m3	1	09/22/21	B112708	TO-15	
95-47-6	o-Xylene	ND	1.3	ug/m3	1	09/22/21	B112708	TO-15	
135-98-8	sec-Butylbenzene	ND	1.6	ug/m3	1	09/22/21	B112708	TO-15	
100-42-5	Styrene	ND	1.2	ug/m3	1	09/22/21	B112708	TO-15	
127-18-4	Tetrachloroethylene	ND	2.0	ug/m3	1	09/22/21	B112708	TO-15	
108-88-3	<b>Toluene</b>	<b>1.8</b>	1.1	ug/m3	1	09/22/21	B112708	TO-15	
156-60-5	trans-1,2-Dichloroethylene	ND	1.2	ug/m3	1	09/22/21	B112708	TO-15	
10061-02-6	trans-1,3-Dichloropropylene	ND	1.3	ug/m3	1	09/22/21	B112708	TO-15	
79-01-6	Trichloroethylene	ND	1.6	ug/m3	1	09/22/21	B112708	TO-15	
75-69-4	Trichlorofluoromethane	ND	1.6	ug/m3	1	09/22/21	B112708	TO-15	
75-01-4	Vinyl chloride	ND	0.75	ug/m3	1	09/22/21	B112708	TO-15	
Surrogate: Bromofluorobenzene			96.5 %		70-130	09/22/21	B112708	TO-15	



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Client ID: SWP-4

Lab ID: 2108203-03

CAS #	Analyte	Result	RL	Units	Dilution	Analyzed Date	QC Batch	Method	Qualifier
<b>Organics-Volatiles</b>									
71-55-6	1,1,1-Trichloroethane	ND	8.0	ug/m3	5	09/21/21	B112312	TO-15	
79-34-5	1,1,2,2-Tetrachloroethane	ND	10	ug/m3	5	09/21/21	B112312	TO-15	
79-00-5	1,1,2-Trichloroethane	ND	8.0	ug/m3	5	09/21/21	B112312	TO-15	
75-34-3	1,1-Dichloroethane	ND	5.9	ug/m3	5	09/21/21	B112312	TO-15	
75-35-4	1,1-Dichloroethylene	ND	5.8	ug/m3	5	09/21/21	B112312	TO-15	
87-61-6	1,2,3-Trichlorobenzene	ND	36	ug/m3	5	09/21/21	B112312	TO-15	
96-18-4	1,2,3-Trichloropropane	ND	8.8	ug/m3	5	09/21/21	B112312	TO-15	
526-73-8	1,2,3-Trimethylbenzene	ND	7.2	ug/m3	5	09/21/21	B112312	TO-15	
120-82-1	1,2,4-Trichlorobenzene	ND	18	ug/m3	5	09/21/21	B112312	TO-15	
95-63-6	1,2,4-Trimethylbenzene	ND	7.2	ug/m3	5	09/21/21	B112312	TO-15	
106-93-4	1,2-Dibromoethane	ND	11	ug/m3	5	09/21/21	B112312	TO-15	
95-50-1	1,2-Dichlorobenzene	ND	8.8	ug/m3	5	09/21/21	B112312	TO-15	
107-06-2	1,2-Dichloroethane	ND	5.9	ug/m3	5	09/21/21	B112312	TO-15	
78-87-5	1,2-Dichloropropane	ND	6.8	ug/m3	5	09/21/21	B112312	TO-15	
108-67-8	1,3,5-Trimethylbenzene	ND	7.2	ug/m3	5	09/21/21	B112312	TO-15	
106-99-0	1,3-Butadiene	ND	3.2	ug/m3	5	09/21/21	B112312	TO-15	
541-73-1	1,3-Dichlorobenzene	ND	8.8	ug/m3	5	09/21/21	B112312	TO-15	
106-46-7	1,4-Dichlorobenzene	ND	8.8	ug/m3	5	09/21/21	B112312	TO-15	
540-84-1	2,2,4-Trimethylpentane	ND	6.8	ug/m3	5	09/21/21	B112312	TO-15	
78-93-3	2-Butanone (MEK)	ND	72	ug/m3	5	09/21/21	B112312	TO-15	
91-57-6	2-Methylnaphthalene	ND	140	ug/m3	5	09/21/21	B112312	TO-15	X1
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	20	ug/m3	5	09/21/21	B112312	TO-15	
75-05-8	Acetonitrile	ND	8.2	ug/m3	5	09/21/21	B112312	TO-15	
107-13-1	Acrylonitrile	ND	5.3	ug/m3	5	09/21/21	B112312	TO-15	
71-43-2	Benzene	ND	4.7	ug/m3	5	09/21/21	B112312	TO-15	
75-27-4	<b>Bromodichloromethane</b>	<b>21</b>	9.8	ug/m3	5	09/21/21	B112312	TO-15	
75-25-2	Bromoform	ND	15	ug/m3	5	09/21/21	B112312	TO-15	
74-83-9	Bromomethane	ND	5.7	ug/m3	5	09/21/21	B112312	TO-15	
56-23-5	Carbon tetrachloride	ND	9.2	ug/m3	5	09/21/21	B112312	TO-15	
108-90-7	Chlorobenzene	ND	6.7	ug/m3	5	09/21/21	B112312	TO-15	
75-00-3	Chloroethane	ND	3.9	ug/m3	5	09/21/21	B112312	TO-15	
67-66-3	<b>Chloroform</b>	<b>180</b>	7.1	ug/m3	5	09/21/21	B112312	TO-15	
74-87-3	Chloromethane	ND	3.0	ug/m3	5	09/21/21	B112312	TO-15	
156-59-2	<b>cis-1,2-Dichloroethylene</b>	<b>31</b>	5.8	ug/m3	5	09/21/21	B112312	TO-15	
10061-01-5	cis-1,3-Dichloropropylene	ND	6.6	ug/m3	5	09/21/21	B112312	TO-15	
110-82-7	Cyclohexane	ND	5.0	ug/m3	5	09/21/21	B112312	TO-15	
124-48-1	Dibromochloromethane	ND	12	ug/m3	5	09/21/21	B112312	TO-15	
75-71-8	Dichlorodifluoromethane	ND	7.2	ug/m3	5	09/21/21	B112312	TO-15	
100-41-4	Ethylbenzene	ND	6.3	ug/m3	5	09/21/21	B112312	TO-15	
110-54-3	Hexane	ND	17	ug/m3	5	09/21/21	B112312	TO-15	



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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: 2108203-03

CAS #	Analyte	Result	RL	Units	Dilution	Analyzed Date	QC Batch	Method	Qualifier
<b>Organics-Volatiles</b>									
98-82-8	Isopropylbenzene	ND	7.2	ug/m3	5	09/21/21	B112312	TO-15	
1330-20-7	m & p - Xylene	ND	6.3	ug/m3	5	09/21/21	B112312	TO-15	
75-09-2	<b>Methylene chloride</b>	<b>10</b>	5.1	ug/m3	5	09/21/21	B112312	TO-15	
1634-04-4	Methyltertiarybutylether	ND	8.8	ug/m3	5	09/21/21	B112312	TO-15	
91-20-3	Naphthalene	ND	130	ug/m3	5	09/21/21	B112312	TO-15	X1
104-51-8	n-Butylbenzene	ND	27	ug/m3	5	09/21/21	B112312	TO-15	
103-65-1	n-Propylbenzene	ND	7.2	ug/m3	5	09/21/21	B112312	TO-15	
95-47-6	o-Xylene	ND	6.3	ug/m3	5	09/21/21	B112312	TO-15	
135-98-8	sec-Butylbenzene	ND	8.0	ug/m3	5	09/21/21	B112312	TO-15	
100-42-5	Styrene	ND	6.2	ug/m3	5	09/21/21	B112312	TO-15	
127-18-4	<b>Tetrachloroethylene</b>	<b>880</b>	9.9	ug/m3	5	09/21/21	B112312	TO-15	
108-88-3	Toluene	ND	5.5	ug/m3	5	09/21/21	B112312	TO-15	
156-60-5	trans-1,2-Dichloroethylene	ND	5.8	ug/m3	5	09/21/21	B112312	TO-15	
10061-02-6	trans-1,3-Dichloropropylene	ND	6.6	ug/m3	5	09/21/21	B112312	TO-15	
79-01-6	<b>Trichloroethylene</b>	<b>56</b>	7.9	ug/m3	5	09/21/21	B112312	TO-15	
75-69-4	<b>Trichlorofluoromethane</b>	<b>11</b>	8.2	ug/m3	5	09/21/21	B112312	TO-15	
75-01-4	Vinyl chloride	ND	3.7	ug/m3	5	09/21/21	B112312	TO-15	
Surrogate: Bromofluorobenzene			94.8 %	70-130		09/21/21	B112312	TO-15	





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

Client ID: SWP-5

Lab ID: 2108203-04

CAS #	Analyte	Result	RL	Units	Dilution	Analyzed Date	QC Batch	Method	Qualifier
<b>Organics-Volatiles</b>									
71-55-6	1,1,1-Trichloroethane	ND	8.0	ug/m3	5	09/21/21	B112312	TO-15	
79-34-5	1,1,2,2-Tetrachloroethane	ND	10	ug/m3	5	09/21/21	B112312	TO-15	
79-00-5	1,1,2-Trichloroethane	ND	8.0	ug/m3	5	09/21/21	B112312	TO-15	
75-34-3	1,1-Dichloroethane	ND	5.9	ug/m3	5	09/21/21	B112312	TO-15	
75-35-4	1,1-Dichloroethylene	ND	5.8	ug/m3	5	09/21/21	B112312	TO-15	
87-61-6	1,2,3-Trichlorobenzene	ND	36	ug/m3	5	09/21/21	B112312	TO-15	
96-18-4	1,2,3-Trichloropropane	ND	8.8	ug/m3	5	09/21/21	B112312	TO-15	
526-73-8	1,2,3-Trimethylbenzene	ND	7.2	ug/m3	5	09/21/21	B112312	TO-15	
120-82-1	1,2,4-Trichlorobenzene	ND	18	ug/m3	5	09/21/21	B112312	TO-15	
95-63-6	1,2,4-Trimethylbenzene	ND	7.2	ug/m3	5	09/21/21	B112312	TO-15	
106-93-4	1,2-Dibromoethane	ND	11	ug/m3	5	09/21/21	B112312	TO-15	
95-50-1	1,2-Dichlorobenzene	ND	8.8	ug/m3	5	09/21/21	B112312	TO-15	
107-06-2	1,2-Dichloroethane	ND	5.9	ug/m3	5	09/21/21	B112312	TO-15	
78-87-5	1,2-Dichloropropane	ND	6.8	ug/m3	5	09/21/21	B112312	TO-15	
108-67-8	1,3,5-Trimethylbenzene	ND	7.2	ug/m3	5	09/21/21	B112312	TO-15	
106-99-0	1,3-Butadiene	ND	3.2	ug/m3	5	09/21/21	B112312	TO-15	
541-73-1	1,3-Dichlorobenzene	ND	8.8	ug/m3	5	09/21/21	B112312	TO-15	
106-46-7	1,4-Dichlorobenzene	ND	8.8	ug/m3	5	09/21/21	B112312	TO-15	
540-84-1	2,2,4-Trimethylpentane	ND	6.8	ug/m3	5	09/21/21	B112312	TO-15	
78-93-3	2-Butanone (MEK)	ND	72	ug/m3	5	09/21/21	B112312	TO-15	
91-57-6	2-Methylnaphthalene	ND	140	ug/m3	5	09/21/21	B112312	TO-15	X1
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	20	ug/m3	5	09/21/21	B112312	TO-15	
75-05-8	Acetonitrile	ND	8.2	ug/m3	5	09/21/21	B112312	TO-15	
107-13-1	Acrylonitrile	ND	5.3	ug/m3	5	09/21/21	B112312	TO-15	
71-43-2	Benzene	ND	4.7	ug/m3	5	09/21/21	B112312	TO-15	
75-27-4	<b>Bromodichloromethane</b>	<b>18</b>	9.8	ug/m3	5	09/21/21	B112312	TO-15	
75-25-2	Bromoform	ND	15	ug/m3	5	09/21/21	B112312	TO-15	
74-83-9	Bromomethane	ND	5.7	ug/m3	5	09/21/21	B112312	TO-15	
56-23-5	Carbon tetrachloride	ND	9.2	ug/m3	5	09/21/21	B112312	TO-15	
108-90-7	Chlorobenzene	ND	6.7	ug/m3	5	09/21/21	B112312	TO-15	
75-00-3	Chloroethane	ND	3.9	ug/m3	5	09/21/21	B112312	TO-15	
67-66-3	<b>Chloroform</b>	<b>140</b>	7.1	ug/m3	5	09/21/21	B112312	TO-15	
74-87-3	<b>Chloromethane</b>	<b>280</b>	3.0	ug/m3	5	09/21/21	B112312	TO-15	
156-59-2	<b>cis-1,2-Dichloroethylene</b>	<b>15</b>	5.8	ug/m3	5	09/21/21	B112312	TO-15	
10061-01-5	cis-1,3-Dichloropropylene	ND	6.6	ug/m3	5	09/21/21	B112312	TO-15	
110-82-7	Cyclohexane	ND	5.0	ug/m3	5	09/21/21	B112312	TO-15	
124-48-1	Dibromochloromethane	ND	12	ug/m3	5	09/21/21	B112312	TO-15	
75-71-8	Dichlorodifluoromethane	ND	7.2	ug/m3	5	09/21/21	B112312	TO-15	
100-41-4	Ethylbenzene	ND	6.3	ug/m3	5	09/21/21	B112312	TO-15	
110-54-3	Hexane	ND	17	ug/m3	5	09/21/21	B112312	TO-15	



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ENVIRONMENTAL LABORATORY

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

Client ID: SWP-5

Lab ID: 2108203-04

CAS #	Analyte	Result	RL	Units	Dilution	Analyzed Date	QC Batch	Method	Qualifier
<b>Organics-Volatiles</b>									
98-82-8	Isopropylbenzene	ND	7.2	ug/m3	5	09/21/21	B112312	TO-15	
1330-20-7	<b>m &amp; p - Xylene</b>	<b>6.7</b>	6.3	ug/m3	5	09/21/21	B112312	TO-15	
75-09-2	<b>Methylene chloride</b>	<b>8.2</b>	5.1	ug/m3	5	09/21/21	B112312	TO-15	
1634-04-4	Methyltertiarybutylether	ND	8.8	ug/m3	5	09/21/21	B112312	TO-15	
91-20-3	Naphthalene	ND	130	ug/m3	5	09/21/21	B112312	TO-15	X1
104-51-8	n-Butylbenzene	ND	27	ug/m3	5	09/21/21	B112312	TO-15	
103-65-1	n-Propylbenzene	ND	7.2	ug/m3	5	09/21/21	B112312	TO-15	
95-47-6	o-Xylene	ND	6.3	ug/m3	5	09/21/21	B112312	TO-15	
135-98-8	sec-Butylbenzene	ND	8.0	ug/m3	5	09/21/21	B112312	TO-15	
100-42-5	Styrene	ND	6.2	ug/m3	5	09/21/21	B112312	TO-15	
127-18-4	<b>Tetrachloroethylene</b>	<b>580</b>	9.9	ug/m3	5	09/21/21	B112312	TO-15	
108-88-3	<b>Toluene</b>	<b>7.6</b>	5.5	ug/m3	5	09/21/21	B112312	TO-15	
156-60-5	trans-1,2-Dichloroethylene	ND	5.8	ug/m3	5	09/21/21	B112312	TO-15	
10061-02-6	trans-1,3-Dichloropropylene	ND	6.6	ug/m3	5	09/21/21	B112312	TO-15	
79-01-6	<b>Trichloroethylene</b>	<b>36</b>	7.9	ug/m3	5	09/21/21	B112312	TO-15	
75-69-4	<b>Trichlorofluoromethane</b>	<b>13</b>	8.2	ug/m3	5	09/21/21	B112312	TO-15	
75-01-4	Vinyl chloride	ND	3.7	ug/m3	5	09/21/21	B112312	TO-15	
<i>Surrogate: Bromofluorobenzene</i>			96.3 %	70-130		09/21/21	B112312	TO-15	



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ENVIRONMENTAL LABORATORY

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

Client ID: SWP-6

Lab ID: 2108203-05

CAS #	Analyte	Result	RL	Units	Dilution	Analyzed Date	QC Batch	Method	Qualifier
<b>Organics-Volatiles</b>									
71-55-6	1,1,1-Trichloroethane	ND	1.6	ug/m3	1	09/22/21	B112708	TO-15	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	ug/m3	1	09/22/21	B112708	TO-15	
79-00-5	1,1,2-Trichloroethane	ND	1.6	ug/m3	1	09/22/21	B112708	TO-15	
75-34-3	1,1-Dichloroethane	ND	1.2	ug/m3	1	09/22/21	B112708	TO-15	
75-35-4	1,1-Dichloroethylene	ND	1.2	ug/m3	1	09/22/21	B112708	TO-15	
87-61-6	1,2,3-Trichlorobenzene	ND	7.3	ug/m3	1	09/22/21	B112708	TO-15	
96-18-4	1,2,3-Trichloropropane	ND	1.8	ug/m3	1	09/22/21	B112708	TO-15	
526-73-8	1,2,3-Trimethylbenzene	ND	1.4	ug/m3	1	09/22/21	B112708	TO-15	
120-82-1	1,2,4-Trichlorobenzene	ND	3.6	ug/m3	1	09/22/21	B112708	TO-15	
95-63-6	1,2,4-Trimethylbenzene	ND	1.4	ug/m3	1	09/22/21	B112708	TO-15	
106-93-4	1,2-Dibromoethane	ND	2.3	ug/m3	1	09/22/21	B112708	TO-15	
95-50-1	1,2-Dichlorobenzene	ND	1.8	ug/m3	1	09/22/21	B112708	TO-15	
107-06-2	1,2-Dichloroethane	ND	1.2	ug/m3	1	09/22/21	B112708	TO-15	
78-87-5	1,2-Dichloropropane	ND	1.4	ug/m3	1	09/22/21	B112708	TO-15	
108-67-8	1,3,5-Trimethylbenzene	ND	1.4	ug/m3	1	09/22/21	B112708	TO-15	
106-99-0	1,3-Butadiene	ND	0.65	ug/m3	1	09/22/21	B112708	TO-15	
541-73-1	1,3-Dichlorobenzene	ND	1.8	ug/m3	1	09/22/21	B112708	TO-15	
106-46-7	1,4-Dichlorobenzene	ND	1.8	ug/m3	1	09/22/21	B112708	TO-15	
540-84-1	2,2,4-Trimethylpentane	ND	1.4	ug/m3	1	09/22/21	B112708	TO-15	
78-93-3	2-Butanone (MEK)	ND	14	ug/m3	1	09/22/21	B112708	TO-15	
91-57-6	2-Methylnaphthalene	ND	28	ug/m3	1	09/22/21	B112708	TO-15	X1
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	4.0	ug/m3	1	09/22/21	B112708	TO-15	
75-05-8	Acetonitrile	ND	1.6	ug/m3	1	09/22/21	B112708	TO-15	
107-13-1	Acrylonitrile	ND	1.1	ug/m3	1	09/22/21	B112708	TO-15	
71-43-2	Benzene	ND	0.94	ug/m3	1	09/22/21	B112708	TO-15	
75-27-4	Bromodichloromethane	ND	2.0	ug/m3	1	09/22/21	B112708	TO-15	
75-25-2	Bromoform	ND	3.0	ug/m3	1	09/22/21	B112708	TO-15	
74-83-9	Bromomethane	ND	1.1	ug/m3	1	09/22/21	B112708	TO-15	
56-23-5	Carbon tetrachloride	ND	1.8	ug/m3	1	09/22/21	B112708	TO-15	
108-90-7	Chlorobenzene	ND	1.4	ug/m3	1	09/22/21	B112708	TO-15	
75-00-3	Chloroethane	ND	0.77	ug/m3	1	09/22/21	B112708	TO-15	
67-66-3	<b>Chloroform</b>	<b>12</b>	1.4	ug/m3	1	09/22/21	B112708	TO-15	
74-87-3	<b>Chloromethane</b>	<b>6.5</b>	0.61	ug/m3	1	09/22/21	B112708	TO-15	
156-59-2	cis-1,2-Dichloroethylene	ND	1.2	ug/m3	1	09/22/21	B112708	TO-15	
10061-01-5	cis-1,3-Dichloropropylene	ND	1.3	ug/m3	1	09/22/21	B112708	TO-15	
110-82-7	Cyclohexane	ND	1.0	ug/m3	1	09/22/21	B112708	TO-15	
124-48-1	Dibromochloromethane	ND	2.5	ug/m3	1	09/22/21	B112708	TO-15	
75-71-8	<b>Dichlorodifluoromethane</b>	<b>2.2</b>	1.5	ug/m3	1	09/22/21	B112708	TO-15	
100-41-4	<b>Ethylbenzene</b>	<b>1.7</b>	1.3	ug/m3	1	09/22/21	B112708	TO-15	
110-54-3	Hexane	ND	3.4	ug/m3	1	09/22/21	B112708	TO-15	



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

Client ID: SWP-6

Lab ID: 2108203-05

CAS #	Analyte	Result	RL	Units	Dilution	Analyzed Date	QC Batch	Method	Qualifier
<b>Organics-Volatiles</b>									
98-82-8	Isopropylbenzene	ND	1.4	ug/m3	1	09/22/21	B112708	TO-15	
1330-20-7	<b>m &amp; p - Xylene</b>	<b>7.6</b>	1.3	ug/m3	1	09/22/21	B112708	TO-15	
75-09-2	Methylene chloride	ND	1.0	ug/m3	1	09/22/21	B112708	TO-15	
1634-04-4	Methyltertiarybutylether	ND	1.8	ug/m3	1	09/22/21	B112708	TO-15	
91-20-3	Naphthalene	ND	26	ug/m3	1	09/22/21	B112708	TO-15	X1
104-51-8	n-Butylbenzene	ND	5.4	ug/m3	1	09/22/21	B112708	TO-15	
103-65-1	n-Propylbenzene	ND	1.4	ug/m3	1	09/22/21	B112708	TO-15	
95-47-6	<b>o-Xylene</b>	<b>3.7</b>	1.3	ug/m3	1	09/22/21	B112708	TO-15	
135-98-8	sec-Butylbenzene	ND	1.6	ug/m3	1	09/22/21	B112708	TO-15	
100-42-5	Styrene	ND	1.2	ug/m3	1	09/22/21	B112708	TO-15	
127-18-4	<b>Tetrachloroethylene</b>	<b>18</b>	2.0	ug/m3	1	09/22/21	B112708	TO-15	
108-88-3	<b>Toluene</b>	<b>2.1</b>	1.1	ug/m3	1	09/22/21	B112708	TO-15	
156-60-5	trans-1,2-Dichloroethylene	ND	1.2	ug/m3	1	09/22/21	B112708	TO-15	
10061-02-6	trans-1,3-Dichloropropylene	ND	1.3	ug/m3	1	09/22/21	B112708	TO-15	
79-01-6	Trichloroethylene	ND	1.6	ug/m3	1	09/22/21	B112708	TO-15	
75-69-4	<b>Trichlorofluoromethane</b>	<b>2.9</b>	1.6	ug/m3	1	09/22/21	B112708	TO-15	
75-01-4	Vinyl chloride	ND	0.75	ug/m3	1	09/22/21	B112708	TO-15	
<i>Surrogate: Bromofluorobenzene</i>			90.8 %	70-130		09/22/21	B112708	TO-15	



# Analysis Request Sheet

Van Dyke

Lab Work Order Number <b>2108203</b>	Project Name <b>Van Dyke</b>	Matrix <b>AIR</b>
Location ID <b>RRD-Southeast</b>	Program <b>dova.salgah@woodplc.com</b>	Project TAT Days <b>Standard</b>
Dept-Division-District <b>RRD-Southeast</b>	CC Email 2 <b>Kyle.Noyce@woodplc.com</b>	Sample Collector <b>Ben Hockstad</b>
State Project Manager <b>Beth Vens</b>	CC Email 3 <b>benjamin.hockstad@woodplc.com</b>	Sample Collector Phone <b>248-408-0203</b>
State Project Manager Email <b>vensb@michigan.gov</b>	Funding Source <b>AMEC</b>	Contract Firm <b>AMEC</b>
State Project Manager Phone <b>586-753-3700</b>	Location Code <b>Overflow Lab Choice 1</b>	Contract Firm Primary Contact <b>Dova Salgah</b>
	SUD Location Code <b>Overflow Lab Choice 2</b>	Primary Contact Phone <b>586-382-0850</b>

Lab Use Only	Field Sample Identification	Collection Date	Collection Time	Bottle Count	Comments	Regulator ID	Canister/Bottle Vac Number
1	01 SWP-1	25 AUG	1532	1	-30, -2.0	NA	1464
2	02 SWP-2		1535	1	-30, -1.0	NA	1228
3	03 SWP-4		1650	1	-30, -1.0	NA	1455
4	04 SWP-5		1607	1	-30, -2.0	NA	1354
5	05 SWP-6	X	1621	1	-30, -1.0	NA	1621
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. Hockstad	Kyle Noyce (AMEC)	25 AUG 21
	Signature: <i>[Signature]</i>	<i>[Signature]</i>	1630L
	Print Name & Org. Kyle Noyce (AMEC)	Melissa Smith	
	Signature: <i>[Signature]</i>	<i>[Signature]</i>	8/26/21 1423
	Print Name & Org.		