

23 November 2021

Work Order: 2111143

Price: \$6,150.00

Susan Kilmer
EGLE-AQD-LANSING
525 W. ALLEGAN
LANSING, MI 48909-7760
RE: FCA STELLANTIS MACK AVE

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



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

EGLE-AQD-LANSING
525 W. ALLEGAN
LANSING MI, 48909-7760

Project: FCA STELLANTIS MACK AVE
Site Code: LB042253
Project Manager: Susan Kilmer

Reported:
11/23/2021

Analytical Report for Samples

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received	Qualifier
DWND1	2111143-01	Air	11/16/2021	11/19/2021	
DWND2	2111143-02	Air	11/16/2021	11/19/2021	
DWND3	2111143-03	Air	11/16/2021	11/19/2021	
UDWND1	2111143-04	Air	11/16/2021	11/19/2021	
GRAB1	2111143-05	Air	11/16/2021	11/19/2021	
GRAB2	2111143-06	Air	11/16/2021	11/19/2021	
GRAB3	2111143-07	Air	11/16/2021	11/19/2021	
GRAB4	2111143-08	Air	11/16/2021	11/19/2021	
GRAB5	2111143-09	Air	11/17/2021	11/19/2021	
DWND4	2111143-10	Air	11/17/2021	11/19/2021	

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.
- A10 Result and reporting limit are estimated due to low initial verification standard criteria failure.
- 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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MICHIGAN DEPARTMENT OF
ENVIRONMENT, GREAT LAKES, AND ENERGY

Client ID: DWND1

Lab ID: 2111143-01

CAS #	Analyte	Result	RL	Units	Dilution	Analyzed Date	QC Batch	Method	Qualifier
Organics-Volatiles									
71-55-6	1,1,1-Trichloroethane	ND	1.6	ug/m3	1	11/19/21	B1K2203	TO-15	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.1	ug/m3	1	11/19/21	B1K2203	TO-15	
79-00-5	1,1,2-Trichloroethane	ND	1.6	ug/m3	1	11/19/21	B1K2203	TO-15	
75-34-3	1,1-Dichloroethane	ND	1.2	ug/m3	1	11/19/21	B1K2203	TO-15	
75-35-4	1,1-Dichloroethylene	ND	1.2	ug/m3	1	11/19/21	B1K2203	TO-15	
87-61-6	1,2,3-Trichlorobenzene	ND	7.4	ug/m3	1	11/19/21	B1K2203	TO-15	
96-18-4	1,2,3-Trichloropropane	ND	1.8	ug/m3	1	11/19/21	B1K2203	TO-15	
526-73-8	1,2,3-Trimethylbenzene	ND	1.5	ug/m3	1	11/19/21	B1K2203	TO-15	
120-82-1	1,2,4-Trichlorobenzene	ND	3.7	ug/m3	1	11/19/21	B1K2203	TO-15	
95-63-6	1,2,4-Trimethylbenzene	ND	1.5	ug/m3	1	11/19/21	B1K2203	TO-15	
106-93-4	1,2-Dibromoethane	ND	2.3	ug/m3	1	11/19/21	B1K2203	TO-15	
95-50-1	1,2-Dichlorobenzene	ND	1.8	ug/m3	1	11/19/21	B1K2203	TO-15	
107-06-2	1,2-Dichloroethane	ND	1.2	ug/m3	1	11/19/21	B1K2203	TO-15	
78-87-5	1,2-Dichloropropane	ND	1.4	ug/m3	1	11/19/21	B1K2203	TO-15	
108-67-8	1,3,5-Trimethylbenzene	ND	1.5	ug/m3	1	11/19/21	B1K2203	TO-15	
106-99-0	1,3-Butadiene	ND	0.66	ug/m3	1	11/19/21	B1K2203	TO-15	
541-73-1	1,3-Dichlorobenzene	ND	1.8	ug/m3	1	11/19/21	B1K2203	TO-15	
106-46-7	1,4-Dichlorobenzene	ND	1.8	ug/m3	1	11/19/21	B1K2203	TO-15	
540-84-1	2,2,4-Trimethylpentane	ND	1.4	ug/m3	1	11/19/21	B1K2203	TO-15	
78-93-3	2-Butanone (MEK)	ND	15	ug/m3	1	11/19/21	B1K2203	TO-15	
91-57-6	2-Methylnaphthalene	ND	29	ug/m3	1	11/19/21	B1K2203	TO-15	A10, X1
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	4.1	ug/m3	1	11/19/21	B1K2203	TO-15	
75-05-8	Acetonitrile	ND	1.7	ug/m3	1	11/19/21	B1K2203	TO-15	
107-13-1	Acrylonitrile	ND	1.1	ug/m3	1	11/19/21	B1K2203	TO-15	
71-43-2	Benzene	ND	0.95	ug/m3	1	11/19/21	B1K2203	TO-15	
75-27-4	Bromodichloromethane	ND	2.0	ug/m3	1	11/19/21	B1K2203	TO-15	
75-25-2	Bromoform	ND	3.1	ug/m3	1	11/19/21	B1K2203	TO-15	
74-83-9	Bromomethane	ND	1.2	ug/m3	1	11/19/21	B1K2203	TO-15	
56-23-5	Carbon tetrachloride	ND	1.9	ug/m3	1	11/19/21	B1K2203	TO-15	
108-90-7	Chlorobenzene	ND	1.4	ug/m3	1	11/19/21	B1K2203	TO-15	
75-00-3	Chloroethane	ND	0.79	ug/m3	1	11/19/21	B1K2203	TO-15	
67-66-3	Chloroform	ND	1.5	ug/m3	1	11/19/21	B1K2203	TO-15	
74-87-3	Chloromethane	1.0	0.62	ug/m3	1	11/19/21	B1K2203	TO-15	
156-59-2	cis-1,2-Dichloroethylene	ND	1.2	ug/m3	1	11/19/21	B1K2203	TO-15	
10061-01-5	cis-1,3-Dichloropropylene	ND	1.4	ug/m3	1	11/19/21	B1K2203	TO-15	
110-82-7	Cyclohexane	ND	1.0	ug/m3	1	11/19/21	B1K2203	TO-15	
124-48-1	Dibromochloromethane	ND	2.5	ug/m3	1	11/19/21	B1K2203	TO-15	
75-71-8	Dichlorodifluoromethane	2.2	1.5	ug/m3	1	11/19/21	B1K2203	TO-15	
100-41-4	Ethylbenzene	ND	1.3	ug/m3	1	11/19/21	B1K2203	TO-15	
110-54-3	Hexane	ND	3.5	ug/m3	1	11/19/21	B1K2203	TO-15	



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

Client ID: DWND1

Lab ID: 2111143-01

CAS #	Analyte	Result	RL	Units	Dilution	Analyzed Date	QC Batch	Method	Qualifier
Organics-Volatiles									
98-82-8	Isopropylbenzene	ND	1.5	ug/m3	1	11/19/21	B1K2203	TO-15	
1330-20-7	m & p - Xylene	ND	1.3	ug/m3	1	11/19/21	B1K2203	TO-15	
75-09-2	Methylene chloride	ND	1.0	ug/m3	1	11/19/21	B1K2203	TO-15	
1634-04-4	Methyltertiarybutylether	ND	1.8	ug/m3	1	11/19/21	B1K2203	TO-15	
91-20-3	Naphthalene	ND	26	ug/m3	1	11/19/21	B1K2203	TO-15	X1
104-51-8	n-Butylbenzene	ND	5.5	ug/m3	1	11/19/21	B1K2203	TO-15	
103-65-1	n-Propylbenzene	ND	1.5	ug/m3	1	11/19/21	B1K2203	TO-15	
95-47-6	o-Xylene	ND	1.3	ug/m3	1	11/19/21	B1K2203	TO-15	
135-98-8	sec-Butylbenzene	ND	1.6	ug/m3	1	11/19/21	B1K2203	TO-15	
100-42-5	Styrene	ND	1.3	ug/m3	1	11/19/21	B1K2203	TO-15	
127-18-4	Tetrachloroethylene	ND	2.0	ug/m3	1	11/19/21	B1K2203	TO-15	
108-88-3	Toluene	ND	1.1	ug/m3	1	11/19/21	B1K2203	TO-15	
156-60-5	trans-1,2-Dichloroethylene	ND	1.2	ug/m3	1	11/19/21	B1K2203	TO-15	
10061-02-6	trans-1,3-Dichloropropylene	ND	1.4	ug/m3	1	11/19/21	B1K2203	TO-15	
79-01-6	Trichloroethylene	ND	1.6	ug/m3	1	11/19/21	B1K2203	TO-15	
75-69-4	Trichlorofluoromethane	ND	1.7	ug/m3	1	11/19/21	B1K2203	TO-15	
75-01-4	Vinyl chloride	ND	0.76	ug/m3	1	11/19/21	B1K2203	TO-15	
<i>Surrogate: Bromofluorobenzene</i>			99.3 %	70-130		11/19/21	B1K2203	TO-15	



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

Client ID: DWND2

Lab ID: 2111143-02

CAS #	Analyte	Result	RL	Units	Dilution	Analyzed Date	QC Batch	Method	Qualifier
Organics-Volatiles									
71-55-6	1,1,1-Trichloroethane	ND	1.6	ug/m3	1	11/19/21	B1K2203	TO-15	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.1	ug/m3	1	11/19/21	B1K2203	TO-15	
79-00-5	1,1,2-Trichloroethane	ND	1.6	ug/m3	1	11/19/21	B1K2203	TO-15	
75-34-3	1,1-Dichloroethane	ND	1.2	ug/m3	1	11/19/21	B1K2203	TO-15	
75-35-4	1,1-Dichloroethylene	ND	1.2	ug/m3	1	11/19/21	B1K2203	TO-15	
87-61-6	1,2,3-Trichlorobenzene	ND	7.4	ug/m3	1	11/19/21	B1K2203	TO-15	
96-18-4	1,2,3-Trichloropropane	ND	1.8	ug/m3	1	11/19/21	B1K2203	TO-15	
526-73-8	1,2,3-Trimethylbenzene	ND	1.5	ug/m3	1	11/19/21	B1K2203	TO-15	
120-82-1	1,2,4-Trichlorobenzene	ND	3.7	ug/m3	1	11/19/21	B1K2203	TO-15	
95-63-6	1,2,4-Trimethylbenzene	ND	1.5	ug/m3	1	11/19/21	B1K2203	TO-15	
106-93-4	1,2-Dibromoethane	ND	2.3	ug/m3	1	11/19/21	B1K2203	TO-15	
95-50-1	1,2-Dichlorobenzene	ND	1.8	ug/m3	1	11/19/21	B1K2203	TO-15	
107-06-2	1,2-Dichloroethane	ND	1.2	ug/m3	1	11/19/21	B1K2203	TO-15	
78-87-5	1,2-Dichloropropane	ND	1.4	ug/m3	1	11/19/21	B1K2203	TO-15	
108-67-8	1,3,5-Trimethylbenzene	ND	1.5	ug/m3	1	11/19/21	B1K2203	TO-15	
106-99-0	1,3-Butadiene	ND	0.66	ug/m3	1	11/19/21	B1K2203	TO-15	
541-73-1	1,3-Dichlorobenzene	ND	1.8	ug/m3	1	11/19/21	B1K2203	TO-15	
106-46-7	1,4-Dichlorobenzene	ND	1.8	ug/m3	1	11/19/21	B1K2203	TO-15	
540-84-1	2,2,4-Trimethylpentane	ND	1.4	ug/m3	1	11/19/21	B1K2203	TO-15	
78-93-3	2-Butanone (MEK)	ND	15	ug/m3	1	11/19/21	B1K2203	TO-15	
91-57-6	2-Methylnaphthalene	ND	29	ug/m3	1	11/19/21	B1K2203	TO-15	A10, X1
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	4.1	ug/m3	1	11/19/21	B1K2203	TO-15	
75-05-8	Acetonitrile	ND	1.7	ug/m3	1	11/19/21	B1K2203	TO-15	
107-13-1	Acrylonitrile	ND	1.1	ug/m3	1	11/19/21	B1K2203	TO-15	
71-43-2	Benzene	ND	0.95	ug/m3	1	11/19/21	B1K2203	TO-15	
75-27-4	Bromodichloromethane	ND	2.0	ug/m3	1	11/19/21	B1K2203	TO-15	
75-25-2	Bromoform	ND	3.1	ug/m3	1	11/19/21	B1K2203	TO-15	
74-83-9	Bromomethane	ND	1.2	ug/m3	1	11/19/21	B1K2203	TO-15	
56-23-5	Carbon tetrachloride	ND	1.9	ug/m3	1	11/19/21	B1K2203	TO-15	
108-90-7	Chlorobenzene	ND	1.4	ug/m3	1	11/19/21	B1K2203	TO-15	
75-00-3	Chloroethane	ND	0.79	ug/m3	1	11/19/21	B1K2203	TO-15	
67-66-3	Chloroform	ND	1.5	ug/m3	1	11/19/21	B1K2203	TO-15	
74-87-3	Chloromethane	1.0	0.62	ug/m3	1	11/19/21	B1K2203	TO-15	
156-59-2	cis-1,2-Dichloroethylene	ND	1.2	ug/m3	1	11/19/21	B1K2203	TO-15	
10061-01-5	cis-1,3-Dichloropropylene	ND	1.4	ug/m3	1	11/19/21	B1K2203	TO-15	
110-82-7	Cyclohexane	ND	1.0	ug/m3	1	11/19/21	B1K2203	TO-15	
124-48-1	Dibromochloromethane	ND	2.5	ug/m3	1	11/19/21	B1K2203	TO-15	
75-71-8	Dichlorodifluoromethane	2.2	1.5	ug/m3	1	11/19/21	B1K2203	TO-15	
100-41-4	Ethylbenzene	ND	1.3	ug/m3	1	11/19/21	B1K2203	TO-15	
110-54-3	Hexane	ND	3.5	ug/m3	1	11/19/21	B1K2203	TO-15	



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Lansing, MI 48909
TEL: (517) 335-9800
FAX: (517) 335-9600

Client ID: DWND2

Lab ID: 2111143-02

CAS #	Analyte	Result	RL	Units	Dilution	Analyzed Date	QC Batch	Method	Qualifier
Organics-Volatiles									
98-82-8	Isopropylbenzene	ND	1.5	ug/m3	1	11/19/21	B1K2203	TO-15	
1330-20-7	m & p - Xylene	ND	1.3	ug/m3	1	11/19/21	B1K2203	TO-15	
75-09-2	Methylene chloride	ND	1.0	ug/m3	1	11/19/21	B1K2203	TO-15	
1634-04-4	Methyltertiarybutylether	ND	1.8	ug/m3	1	11/19/21	B1K2203	TO-15	
91-20-3	Naphthalene	ND	26	ug/m3	1	11/19/21	B1K2203	TO-15	X1
104-51-8	n-Butylbenzene	ND	5.5	ug/m3	1	11/19/21	B1K2203	TO-15	
103-65-1	n-Propylbenzene	ND	1.5	ug/m3	1	11/19/21	B1K2203	TO-15	
95-47-6	o-Xylene	ND	1.3	ug/m3	1	11/19/21	B1K2203	TO-15	
135-98-8	sec-Butylbenzene	ND	1.6	ug/m3	1	11/19/21	B1K2203	TO-15	
100-42-5	Styrene	ND	1.3	ug/m3	1	11/19/21	B1K2203	TO-15	
127-18-4	Tetrachloroethylene	ND	2.0	ug/m3	1	11/19/21	B1K2203	TO-15	
108-88-3	Toluene	ND	1.1	ug/m3	1	11/19/21	B1K2203	TO-15	
156-60-5	trans-1,2-Dichloroethylene	ND	1.2	ug/m3	1	11/19/21	B1K2203	TO-15	
10061-02-6	trans-1,3-Dichloropropylene	ND	1.4	ug/m3	1	11/19/21	B1K2203	TO-15	
79-01-6	Trichloroethylene	ND	1.6	ug/m3	1	11/19/21	B1K2203	TO-15	
75-69-4	Trichlorofluoromethane	ND	1.7	ug/m3	1	11/19/21	B1K2203	TO-15	
75-01-4	Vinyl chloride	ND	0.76	ug/m3	1	11/19/21	B1K2203	TO-15	
<i>Surrogate: Bromofluorobenzene</i>			<i>101 %</i>	<i>70-130</i>		<i>11/19/21</i>	<i>B1K2203</i>	<i>TO-15</i>	



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

Client ID: DWND3

Lab ID: 2111143-03

CAS #	Analyte	Result	RL	Units	Dilution	Analyzed Date	QC Batch	Method	Qualifier
Organics-Volatiles									
71-55-6	1,1,1-Trichloroethane	ND	1.6	ug/m3	1	11/19/21	B1K2203	TO-15	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.1	ug/m3	1	11/19/21	B1K2203	TO-15	
79-00-5	1,1,2-Trichloroethane	ND	1.6	ug/m3	1	11/19/21	B1K2203	TO-15	
75-34-3	1,1-Dichloroethane	ND	1.2	ug/m3	1	11/19/21	B1K2203	TO-15	
75-35-4	1,1-Dichloroethylene	ND	1.2	ug/m3	1	11/19/21	B1K2203	TO-15	
87-61-6	1,2,3-Trichlorobenzene	ND	7.4	ug/m3	1	11/19/21	B1K2203	TO-15	
96-18-4	1,2,3-Trichloropropane	ND	1.8	ug/m3	1	11/19/21	B1K2203	TO-15	
526-73-8	1,2,3-Trimethylbenzene	ND	1.5	ug/m3	1	11/19/21	B1K2203	TO-15	
120-82-1	1,2,4-Trichlorobenzene	ND	3.7	ug/m3	1	11/19/21	B1K2203	TO-15	
95-63-6	1,2,4-Trimethylbenzene	ND	1.5	ug/m3	1	11/19/21	B1K2203	TO-15	
106-93-4	1,2-Dibromoethane	ND	2.3	ug/m3	1	11/19/21	B1K2203	TO-15	
95-50-1	1,2-Dichlorobenzene	ND	1.8	ug/m3	1	11/19/21	B1K2203	TO-15	
107-06-2	1,2-Dichloroethane	ND	1.2	ug/m3	1	11/19/21	B1K2203	TO-15	
78-87-5	1,2-Dichloropropane	ND	1.4	ug/m3	1	11/19/21	B1K2203	TO-15	
108-67-8	1,3,5-Trimethylbenzene	ND	1.5	ug/m3	1	11/19/21	B1K2203	TO-15	
106-99-0	1,3-Butadiene	ND	0.66	ug/m3	1	11/19/21	B1K2203	TO-15	
541-73-1	1,3-Dichlorobenzene	ND	1.8	ug/m3	1	11/19/21	B1K2203	TO-15	
106-46-7	1,4-Dichlorobenzene	ND	1.8	ug/m3	1	11/19/21	B1K2203	TO-15	
540-84-1	2,2,4-Trimethylpentane	ND	1.4	ug/m3	1	11/19/21	B1K2203	TO-15	
78-93-3	2-Butanone (MEK)	ND	15	ug/m3	1	11/19/21	B1K2203	TO-15	
91-57-6	2-Methylnaphthalene	ND	29	ug/m3	1	11/19/21	B1K2203	TO-15	A10, X1
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	4.1	ug/m3	1	11/19/21	B1K2203	TO-15	
75-05-8	Acetonitrile	ND	1.7	ug/m3	1	11/19/21	B1K2203	TO-15	
107-13-1	Acrylonitrile	ND	1.1	ug/m3	1	11/19/21	B1K2203	TO-15	
71-43-2	Benzene	ND	0.95	ug/m3	1	11/19/21	B1K2203	TO-15	
75-27-4	Bromodichloromethane	ND	2.0	ug/m3	1	11/19/21	B1K2203	TO-15	
75-25-2	Bromoform	ND	3.1	ug/m3	1	11/19/21	B1K2203	TO-15	
74-83-9	Bromomethane	ND	1.2	ug/m3	1	11/19/21	B1K2203	TO-15	
56-23-5	Carbon tetrachloride	ND	1.9	ug/m3	1	11/19/21	B1K2203	TO-15	
108-90-7	Chlorobenzene	ND	1.4	ug/m3	1	11/19/21	B1K2203	TO-15	
75-00-3	Chloroethane	ND	0.79	ug/m3	1	11/19/21	B1K2203	TO-15	
67-66-3	Chloroform	ND	1.5	ug/m3	1	11/19/21	B1K2203	TO-15	
74-87-3	Chloromethane	1.0	0.62	ug/m3	1	11/19/21	B1K2203	TO-15	
156-59-2	cis-1,2-Dichloroethylene	ND	1.2	ug/m3	1	11/19/21	B1K2203	TO-15	
10061-01-5	cis-1,3-Dichloropropylene	ND	1.4	ug/m3	1	11/19/21	B1K2203	TO-15	
110-82-7	Cyclohexane	ND	1.0	ug/m3	1	11/19/21	B1K2203	TO-15	
124-48-1	Dibromochloromethane	ND	2.5	ug/m3	1	11/19/21	B1K2203	TO-15	
75-71-8	Dichlorodifluoromethane	2.2	1.5	ug/m3	1	11/19/21	B1K2203	TO-15	
100-41-4	Ethylbenzene	ND	1.3	ug/m3	1	11/19/21	B1K2203	TO-15	
110-54-3	Hexane	ND	3.5	ug/m3	1	11/19/21	B1K2203	TO-15	



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: DWND3

Lab ID: 2111143-03

CAS #	Analyte	Result	RL	Units	Dilution	Analyzed Date	QC Batch	Method	Qualifier
Organics-Volatiles									
98-82-8	Isopropylbenzene	ND	1.5	ug/m3	1	11/19/21	B1K2203	TO-15	
1330-20-7	m & p - Xylene	ND	1.3	ug/m3	1	11/19/21	B1K2203	TO-15	
75-09-2	Methylene chloride	ND	1.0	ug/m3	1	11/19/21	B1K2203	TO-15	
1634-04-4	Methyltertiarybutylether	ND	1.8	ug/m3	1	11/19/21	B1K2203	TO-15	
91-20-3	Naphthalene	ND	26	ug/m3	1	11/19/21	B1K2203	TO-15	X1
104-51-8	n-Butylbenzene	ND	5.5	ug/m3	1	11/19/21	B1K2203	TO-15	
103-65-1	n-Propylbenzene	ND	1.5	ug/m3	1	11/19/21	B1K2203	TO-15	
95-47-6	o-Xylene	ND	1.3	ug/m3	1	11/19/21	B1K2203	TO-15	
135-98-8	sec-Butylbenzene	ND	1.6	ug/m3	1	11/19/21	B1K2203	TO-15	
100-42-5	Styrene	ND	1.3	ug/m3	1	11/19/21	B1K2203	TO-15	
127-18-4	Tetrachloroethylene	ND	2.0	ug/m3	1	11/19/21	B1K2203	TO-15	
108-88-3	Toluene	ND	1.1	ug/m3	1	11/19/21	B1K2203	TO-15	
156-60-5	trans-1,2-Dichloroethylene	ND	1.2	ug/m3	1	11/19/21	B1K2203	TO-15	
10061-02-6	trans-1,3-Dichloropropylene	ND	1.4	ug/m3	1	11/19/21	B1K2203	TO-15	
79-01-6	Trichloroethylene	ND	1.6	ug/m3	1	11/19/21	B1K2203	TO-15	
75-69-4	Trichlorofluoromethane	ND	1.7	ug/m3	1	11/19/21	B1K2203	TO-15	
75-01-4	Vinyl chloride	ND	0.76	ug/m3	1	11/19/21	B1K2203	TO-15	
<i>Surrogate: Bromofluorobenzene</i>			99.7 %	70-130		11/19/21	B1K2203	TO-15	



MICHIGAN DEPARTMENT OF
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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: UDWND1

Lab ID: 2111143-04

CAS #	Analyte	Result	RL	Units	Dilution	Analyzed Date	QC Batch	Method	Qualifier
Organics-Volatiles									
71-55-6	1,1,1-Trichloroethane	ND	1.6	ug/m3	1	11/19/21	B1K2203	TO-15	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.1	ug/m3	1	11/19/21	B1K2203	TO-15	
79-00-5	1,1,2-Trichloroethane	ND	1.6	ug/m3	1	11/19/21	B1K2203	TO-15	
75-34-3	1,1-Dichloroethane	ND	1.2	ug/m3	1	11/19/21	B1K2203	TO-15	
75-35-4	1,1-Dichloroethylene	ND	1.2	ug/m3	1	11/19/21	B1K2203	TO-15	
87-61-6	1,2,3-Trichlorobenzene	ND	7.4	ug/m3	1	11/19/21	B1K2203	TO-15	
96-18-4	1,2,3-Trichloropropane	ND	1.8	ug/m3	1	11/19/21	B1K2203	TO-15	
526-73-8	1,2,3-Trimethylbenzene	ND	1.5	ug/m3	1	11/19/21	B1K2203	TO-15	
120-82-1	1,2,4-Trichlorobenzene	ND	3.7	ug/m3	1	11/19/21	B1K2203	TO-15	
95-63-6	1,2,4-Trimethylbenzene	ND	1.5	ug/m3	1	11/19/21	B1K2203	TO-15	
106-93-4	1,2-Dibromoethane	ND	2.3	ug/m3	1	11/19/21	B1K2203	TO-15	
95-50-1	1,2-Dichlorobenzene	ND	1.8	ug/m3	1	11/19/21	B1K2203	TO-15	
107-06-2	1,2-Dichloroethane	ND	1.2	ug/m3	1	11/19/21	B1K2203	TO-15	
78-87-5	1,2-Dichloropropane	ND	1.4	ug/m3	1	11/19/21	B1K2203	TO-15	
108-67-8	1,3,5-Trimethylbenzene	ND	1.5	ug/m3	1	11/19/21	B1K2203	TO-15	
106-99-0	1,3-Butadiene	ND	0.66	ug/m3	1	11/19/21	B1K2203	TO-15	
541-73-1	1,3-Dichlorobenzene	ND	1.8	ug/m3	1	11/19/21	B1K2203	TO-15	
106-46-7	1,4-Dichlorobenzene	ND	1.8	ug/m3	1	11/19/21	B1K2203	TO-15	
540-84-1	2,2,4-Trimethylpentane	ND	1.4	ug/m3	1	11/19/21	B1K2203	TO-15	
78-93-3	2-Butanone (MEK)	ND	15	ug/m3	1	11/19/21	B1K2203	TO-15	
91-57-6	2-Methylnaphthalene	ND	29	ug/m3	1	11/19/21	B1K2203	TO-15	A10, X1
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	4.1	ug/m3	1	11/19/21	B1K2203	TO-15	
75-05-8	Acetonitrile	ND	1.7	ug/m3	1	11/19/21	B1K2203	TO-15	
107-13-1	Acrylonitrile	ND	1.1	ug/m3	1	11/19/21	B1K2203	TO-15	
71-43-2	Benzene	ND	0.95	ug/m3	1	11/19/21	B1K2203	TO-15	
75-27-4	Bromodichloromethane	ND	2.0	ug/m3	1	11/19/21	B1K2203	TO-15	
75-25-2	Bromoform	ND	3.1	ug/m3	1	11/19/21	B1K2203	TO-15	
74-83-9	Bromomethane	ND	1.2	ug/m3	1	11/19/21	B1K2203	TO-15	
56-23-5	Carbon tetrachloride	ND	1.9	ug/m3	1	11/19/21	B1K2203	TO-15	
108-90-7	Chlorobenzene	ND	1.4	ug/m3	1	11/19/21	B1K2203	TO-15	
75-00-3	Chloroethane	ND	0.79	ug/m3	1	11/19/21	B1K2203	TO-15	
67-66-3	Chloroform	ND	1.5	ug/m3	1	11/19/21	B1K2203	TO-15	
74-87-3	Chloromethane	1.1	0.62	ug/m3	1	11/19/21	B1K2203	TO-15	
156-59-2	cis-1,2-Dichloroethylene	ND	1.2	ug/m3	1	11/19/21	B1K2203	TO-15	
10061-01-5	cis-1,3-Dichloropropylene	ND	1.4	ug/m3	1	11/19/21	B1K2203	TO-15	
110-82-7	Cyclohexane	ND	1.0	ug/m3	1	11/19/21	B1K2203	TO-15	
124-48-1	Dibromochloromethane	ND	2.5	ug/m3	1	11/19/21	B1K2203	TO-15	
75-71-8	Dichlorodifluoromethane	2.3	1.5	ug/m3	1	11/19/21	B1K2203	TO-15	
100-41-4	Ethylbenzene	ND	1.3	ug/m3	1	11/19/21	B1K2203	TO-15	
110-54-3	Hexane	ND	3.5	ug/m3	1	11/19/21	B1K2203	TO-15	



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: UDWND1

Lab ID: 2111143-04

CAS #	Analyte	Result	RL	Units	Dilution	Analyzed Date	QC Batch	Method	Qualifier
Organics-Volatiles									
98-82-8	Isopropylbenzene	ND	1.5	ug/m3	1	11/19/21	B1K2203	TO-15	
1330-20-7	m & p - Xylene	ND	1.3	ug/m3	1	11/19/21	B1K2203	TO-15	
75-09-2	Methylene chloride	ND	1.0	ug/m3	1	11/19/21	B1K2203	TO-15	
1634-04-4	Methyltertiarybutylether	ND	1.8	ug/m3	1	11/19/21	B1K2203	TO-15	
91-20-3	Naphthalene	ND	26	ug/m3	1	11/19/21	B1K2203	TO-15	X1
104-51-8	n-Butylbenzene	ND	5.5	ug/m3	1	11/19/21	B1K2203	TO-15	
103-65-1	n-Propylbenzene	ND	1.5	ug/m3	1	11/19/21	B1K2203	TO-15	
95-47-6	o-Xylene	ND	1.3	ug/m3	1	11/19/21	B1K2203	TO-15	
135-98-8	sec-Butylbenzene	ND	1.6	ug/m3	1	11/19/21	B1K2203	TO-15	
100-42-5	Styrene	ND	1.3	ug/m3	1	11/19/21	B1K2203	TO-15	
127-18-4	Tetrachloroethylene	ND	2.0	ug/m3	1	11/19/21	B1K2203	TO-15	
108-88-3	Toluene	1.1	1.1	ug/m3	1	11/19/21	B1K2203	TO-15	
156-60-5	trans-1,2-Dichloroethylene	ND	1.2	ug/m3	1	11/19/21	B1K2203	TO-15	
10061-02-6	trans-1,3-Dichloropropylene	ND	1.4	ug/m3	1	11/19/21	B1K2203	TO-15	
79-01-6	Trichloroethylene	ND	1.6	ug/m3	1	11/19/21	B1K2203	TO-15	
75-69-4	Trichlorofluoromethane	ND	1.7	ug/m3	1	11/19/21	B1K2203	TO-15	
75-01-4	Vinyl chloride	ND	0.76	ug/m3	1	11/19/21	B1K2203	TO-15	
<i>Surrogate: Bromofluorobenzene</i>			<i>100 %</i>	<i>70-130</i>		<i>11/19/21</i>	<i>B1K2203</i>	<i>TO-15</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
FAX: (517) 335-9600

Client ID: GRAB1

Lab ID: 2111143-05

CAS #	Analyte	Result	RL	Units	Dilution	Analyzed Date	QC Batch	Method	Qualifier
Organics-Volatiles									
71-55-6	1,1,1-Trichloroethane	ND	1.6	ug/m3	1	11/19/21	B1K2203	TO-15	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.1	ug/m3	1	11/19/21	B1K2203	TO-15	
79-00-5	1,1,2-Trichloroethane	ND	1.6	ug/m3	1	11/19/21	B1K2203	TO-15	
75-34-3	1,1-Dichloroethane	ND	1.2	ug/m3	1	11/19/21	B1K2203	TO-15	
75-35-4	1,1-Dichloroethylene	ND	1.2	ug/m3	1	11/19/21	B1K2203	TO-15	
87-61-6	1,2,3-Trichlorobenzene	ND	7.4	ug/m3	1	11/19/21	B1K2203	TO-15	
96-18-4	1,2,3-Trichloropropane	ND	1.8	ug/m3	1	11/19/21	B1K2203	TO-15	
526-73-8	1,2,3-Trimethylbenzene	2.3	1.5	ug/m3	1	11/19/21	B1K2203	TO-15	
120-82-1	1,2,4-Trichlorobenzene	ND	3.7	ug/m3	1	11/19/21	B1K2203	TO-15	
95-63-6	1,2,4-Trimethylbenzene	11	1.5	ug/m3	1	11/19/21	B1K2203	TO-15	
106-93-4	1,2-Dibromoethane	ND	2.3	ug/m3	1	11/19/21	B1K2203	TO-15	
95-50-1	1,2-Dichlorobenzene	ND	1.8	ug/m3	1	11/19/21	B1K2203	TO-15	
107-06-2	1,2-Dichloroethane	ND	1.2	ug/m3	1	11/19/21	B1K2203	TO-15	
78-87-5	1,2-Dichloropropane	ND	1.4	ug/m3	1	11/19/21	B1K2203	TO-15	
108-67-8	1,3,5-Trimethylbenzene	2.9	1.5	ug/m3	1	11/19/21	B1K2203	TO-15	
106-99-0	1,3-Butadiene	ND	0.66	ug/m3	1	11/19/21	B1K2203	TO-15	
541-73-1	1,3-Dichlorobenzene	ND	1.8	ug/m3	1	11/19/21	B1K2203	TO-15	
106-46-7	1,4-Dichlorobenzene	ND	1.8	ug/m3	1	11/19/21	B1K2203	TO-15	
540-84-1	2,2,4-Trimethylpentane	ND	1.4	ug/m3	1	11/19/21	B1K2203	TO-15	
78-93-3	2-Butanone (MEK)	ND	15	ug/m3	1	11/19/21	B1K2203	TO-15	
91-57-6	2-Methylnaphthalene	ND	29	ug/m3	1	11/19/21	B1K2203	TO-15	A10, X1
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	4.1	ug/m3	1	11/19/21	B1K2203	TO-15	
75-05-8	Acetonitrile	ND	1.7	ug/m3	1	11/19/21	B1K2203	TO-15	
107-13-1	Acrylonitrile	ND	1.1	ug/m3	1	11/19/21	B1K2203	TO-15	
71-43-2	Benzene	ND	0.95	ug/m3	1	11/19/21	B1K2203	TO-15	
75-27-4	Bromodichloromethane	ND	2.0	ug/m3	1	11/19/21	B1K2203	TO-15	
75-25-2	Bromoform	ND	3.1	ug/m3	1	11/19/21	B1K2203	TO-15	
74-83-9	Bromomethane	ND	1.2	ug/m3	1	11/19/21	B1K2203	TO-15	
56-23-5	Carbon tetrachloride	ND	1.9	ug/m3	1	11/19/21	B1K2203	TO-15	
108-90-7	Chlorobenzene	ND	1.4	ug/m3	1	11/19/21	B1K2203	TO-15	
75-00-3	Chloroethane	ND	0.79	ug/m3	1	11/19/21	B1K2203	TO-15	
67-66-3	Chloroform	ND	1.5	ug/m3	1	11/19/21	B1K2203	TO-15	
74-87-3	Chloromethane	1.1	0.62	ug/m3	1	11/19/21	B1K2203	TO-15	
156-59-2	cis-1,2-Dichloroethylene	ND	1.2	ug/m3	1	11/19/21	B1K2203	TO-15	
10061-01-5	cis-1,3-Dichloropropylene	ND	1.4	ug/m3	1	11/19/21	B1K2203	TO-15	
110-82-7	Cyclohexane	ND	1.0	ug/m3	1	11/19/21	B1K2203	TO-15	
124-48-1	Dibromochloromethane	ND	2.5	ug/m3	1	11/19/21	B1K2203	TO-15	
75-71-8	Dichlorodifluoromethane	2.3	1.5	ug/m3	1	11/19/21	B1K2203	TO-15	
100-41-4	Ethylbenzene	ND	1.3	ug/m3	1	11/19/21	B1K2203	TO-15	
110-54-3	Hexane	ND	3.5	ug/m3	1	11/19/21	B1K2203	TO-15	



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: GRAB1

Lab ID: 2111143-05

CAS #	Analyte	Result	RL	Units	Dilution	Analyzed Date	QC Batch	Method	Qualifier
Organics-Volatiles									
98-82-8	Isopropylbenzene	ND	1.5	ug/m3	1	11/19/21	B1K2203	TO-15	
1330-20-7	m & p - Xylene	3.6	1.3	ug/m3	1	11/19/21	B1K2203	TO-15	
75-09-2	Methylene chloride	ND	1.0	ug/m3	1	11/19/21	B1K2203	TO-15	
1634-04-4	Methyltertiarybutylether	ND	1.8	ug/m3	1	11/19/21	B1K2203	TO-15	
91-20-3	Naphthalene	ND	26	ug/m3	1	11/19/21	B1K2203	TO-15	X1
104-51-8	n-Butylbenzene	ND	5.5	ug/m3	1	11/19/21	B1K2203	TO-15	
103-65-1	n-Propylbenzene	1.6	1.5	ug/m3	1	11/19/21	B1K2203	TO-15	
95-47-6	o-Xylene	1.6	1.3	ug/m3	1	11/19/21	B1K2203	TO-15	
135-98-8	sec-Butylbenzene	ND	1.6	ug/m3	1	11/19/21	B1K2203	TO-15	
100-42-5	Styrene	ND	1.3	ug/m3	1	11/19/21	B1K2203	TO-15	
127-18-4	Tetrachloroethylene	ND	2.0	ug/m3	1	11/19/21	B1K2203	TO-15	
108-88-3	Toluene	ND	1.1	ug/m3	1	11/19/21	B1K2203	TO-15	
156-60-5	trans-1,2-Dichloroethylene	ND	1.2	ug/m3	1	11/19/21	B1K2203	TO-15	
10061-02-6	trans-1,3-Dichloropropylene	ND	1.4	ug/m3	1	11/19/21	B1K2203	TO-15	
79-01-6	Trichloroethylene	ND	1.6	ug/m3	1	11/19/21	B1K2203	TO-15	
75-69-4	Trichlorofluoromethane	ND	1.7	ug/m3	1	11/19/21	B1K2203	TO-15	
75-01-4	Vinyl chloride	ND	0.76	ug/m3	1	11/19/21	B1K2203	TO-15	
<i>Surrogate: Bromofluorobenzene</i>			<i>97.8 %</i>	<i>70-130</i>		<i>11/19/21</i>	<i>B1K2203</i>	<i>TO-15</i>	



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: GRAB2

Lab ID: 2111143-06

CAS #	Analyte	Result	RL	Units	Dilution	Analyzed Date	QC Batch	Method	Qualifier
Organics-Volatiles									
71-55-6	1,1,1-Trichloroethane	ND	1.6	ug/m3	1	11/19/21	B1K2203	TO-15	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.1	ug/m3	1	11/19/21	B1K2203	TO-15	
79-00-5	1,1,2-Trichloroethane	ND	1.6	ug/m3	1	11/19/21	B1K2203	TO-15	
75-34-3	1,1-Dichloroethane	ND	1.2	ug/m3	1	11/19/21	B1K2203	TO-15	
75-35-4	1,1-Dichloroethylene	ND	1.2	ug/m3	1	11/19/21	B1K2203	TO-15	
87-61-6	1,2,3-Trichlorobenzene	ND	7.4	ug/m3	1	11/19/21	B1K2203	TO-15	
96-18-4	1,2,3-Trichloropropane	ND	1.8	ug/m3	1	11/19/21	B1K2203	TO-15	
526-73-8	1,2,3-Trimethylbenzene	2.9	1.5	ug/m3	1	11/19/21	B1K2203	TO-15	
120-82-1	1,2,4-Trichlorobenzene	ND	3.7	ug/m3	1	11/19/21	B1K2203	TO-15	
95-63-6	1,2,4-Trimethylbenzene	13	1.5	ug/m3	1	11/19/21	B1K2203	TO-15	
106-93-4	1,2-Dibromoethane	ND	2.3	ug/m3	1	11/19/21	B1K2203	TO-15	
95-50-1	1,2-Dichlorobenzene	ND	1.8	ug/m3	1	11/19/21	B1K2203	TO-15	
107-06-2	1,2-Dichloroethane	ND	1.2	ug/m3	1	11/19/21	B1K2203	TO-15	
78-87-5	1,2-Dichloropropane	ND	1.4	ug/m3	1	11/19/21	B1K2203	TO-15	
108-67-8	1,3,5-Trimethylbenzene	3.4	1.5	ug/m3	1	11/19/21	B1K2203	TO-15	
106-99-0	1,3-Butadiene	ND	0.66	ug/m3	1	11/19/21	B1K2203	TO-15	
541-73-1	1,3-Dichlorobenzene	ND	1.8	ug/m3	1	11/19/21	B1K2203	TO-15	
106-46-7	1,4-Dichlorobenzene	ND	1.8	ug/m3	1	11/19/21	B1K2203	TO-15	
540-84-1	2,2,4-Trimethylpentane	ND	1.4	ug/m3	1	11/19/21	B1K2203	TO-15	
78-93-3	2-Butanone (MEK)	ND	15	ug/m3	1	11/19/21	B1K2203	TO-15	
91-57-6	2-Methylnaphthalene	ND	29	ug/m3	1	11/19/21	B1K2203	TO-15	A10, X1
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	4.1	ug/m3	1	11/19/21	B1K2203	TO-15	
75-05-8	Acetonitrile	ND	1.7	ug/m3	1	11/19/21	B1K2203	TO-15	
107-13-1	Acrylonitrile	ND	1.1	ug/m3	1	11/19/21	B1K2203	TO-15	
71-43-2	Benzene	ND	0.95	ug/m3	1	11/19/21	B1K2203	TO-15	
75-27-4	Bromodichloromethane	ND	2.0	ug/m3	1	11/19/21	B1K2203	TO-15	
75-25-2	Bromoform	ND	3.1	ug/m3	1	11/19/21	B1K2203	TO-15	
74-83-9	Bromomethane	ND	1.2	ug/m3	1	11/19/21	B1K2203	TO-15	
56-23-5	Carbon tetrachloride	ND	1.9	ug/m3	1	11/19/21	B1K2203	TO-15	
108-90-7	Chlorobenzene	ND	1.4	ug/m3	1	11/19/21	B1K2203	TO-15	
75-00-3	Chloroethane	ND	0.79	ug/m3	1	11/19/21	B1K2203	TO-15	
67-66-3	Chloroform	ND	1.5	ug/m3	1	11/19/21	B1K2203	TO-15	
74-87-3	Chloromethane	1.0	0.62	ug/m3	1	11/19/21	B1K2203	TO-15	
156-59-2	cis-1,2-Dichloroethylene	ND	1.2	ug/m3	1	11/19/21	B1K2203	TO-15	
10061-01-5	cis-1,3-Dichloropropylene	ND	1.4	ug/m3	1	11/19/21	B1K2203	TO-15	
110-82-7	Cyclohexane	ND	1.0	ug/m3	1	11/19/21	B1K2203	TO-15	
124-48-1	Dibromochloromethane	ND	2.5	ug/m3	1	11/19/21	B1K2203	TO-15	
75-71-8	Dichlorodifluoromethane	2.3	1.5	ug/m3	1	11/19/21	B1K2203	TO-15	
100-41-4	Ethylbenzene	ND	1.3	ug/m3	1	11/19/21	B1K2203	TO-15	
110-54-3	Hexane	ND	3.5	ug/m3	1	11/19/21	B1K2203	TO-15	



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: GRAB2

Lab ID: 2111143-06

CAS #	Analyte	Result	RL	Units	Dilution	Analyzed Date	QC Batch	Method	Qualifier
Organics-Volatiles									
98-82-8	Isopropylbenzene	ND	1.5	ug/m3	1	11/19/21	B1K2203	TO-15	
1330-20-7	m & p - Xylene	2.9	1.3	ug/m3	1	11/19/21	B1K2203	TO-15	
75-09-2	Methylene chloride	ND	1.0	ug/m3	1	11/19/21	B1K2203	TO-15	
1634-04-4	Methyltertiarybutylether	ND	1.8	ug/m3	1	11/19/21	B1K2203	TO-15	
91-20-3	Naphthalene	ND	26	ug/m3	1	11/19/21	B1K2203	TO-15	X1
104-51-8	n-Butylbenzene	ND	5.5	ug/m3	1	11/19/21	B1K2203	TO-15	
103-65-1	n-Propylbenzene	1.7	1.5	ug/m3	1	11/19/21	B1K2203	TO-15	
95-47-6	o-Xylene	1.5	1.3	ug/m3	1	11/19/21	B1K2203	TO-15	
135-98-8	sec-Butylbenzene	ND	1.6	ug/m3	1	11/19/21	B1K2203	TO-15	
100-42-5	Styrene	ND	1.3	ug/m3	1	11/19/21	B1K2203	TO-15	
127-18-4	Tetrachloroethylene	ND	2.0	ug/m3	1	11/19/21	B1K2203	TO-15	
108-88-3	Toluene	ND	1.1	ug/m3	1	11/19/21	B1K2203	TO-15	
156-60-5	trans-1,2-Dichloroethylene	ND	1.2	ug/m3	1	11/19/21	B1K2203	TO-15	
10061-02-6	trans-1,3-Dichloropropylene	ND	1.4	ug/m3	1	11/19/21	B1K2203	TO-15	
79-01-6	Trichloroethylene	ND	1.6	ug/m3	1	11/19/21	B1K2203	TO-15	
75-69-4	Trichlorofluoromethane	ND	1.7	ug/m3	1	11/19/21	B1K2203	TO-15	
75-01-4	Vinyl chloride	ND	0.76	ug/m3	1	11/19/21	B1K2203	TO-15	
<i>Surrogate: Bromofluorobenzene</i>			<i>97.4 %</i>	<i>70-130</i>		<i>11/19/21</i>	<i>B1K2203</i>	<i>TO-15</i>	



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: GRAB3

Lab ID: 2111143-07

CAS #	Analyte	Result	RL	Units	Dilution	Analyzed Date	QC Batch	Method	Qualifier
Organics-Volatiles									
71-55-6	1,1,1-Trichloroethane	ND	1.6	ug/m3	1	11/19/21	B1K2203	TO-15	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.1	ug/m3	1	11/19/21	B1K2203	TO-15	
79-00-5	1,1,2-Trichloroethane	ND	1.6	ug/m3	1	11/19/21	B1K2203	TO-15	
75-34-3	1,1-Dichloroethane	ND	1.2	ug/m3	1	11/19/21	B1K2203	TO-15	
75-35-4	1,1-Dichloroethylene	ND	1.2	ug/m3	1	11/19/21	B1K2203	TO-15	
87-61-6	1,2,3-Trichlorobenzene	ND	7.4	ug/m3	1	11/19/21	B1K2203	TO-15	
96-18-4	1,2,3-Trichloropropane	ND	1.8	ug/m3	1	11/19/21	B1K2203	TO-15	
526-73-8	1,2,3-Trimethylbenzene	ND	1.5	ug/m3	1	11/19/21	B1K2203	TO-15	
120-82-1	1,2,4-Trichlorobenzene	ND	3.7	ug/m3	1	11/19/21	B1K2203	TO-15	
95-63-6	1,2,4-Trimethylbenzene	5.2	1.5	ug/m3	1	11/19/21	B1K2203	TO-15	
106-93-4	1,2-Dibromoethane	ND	2.3	ug/m3	1	11/19/21	B1K2203	TO-15	
95-50-1	1,2-Dichlorobenzene	ND	1.8	ug/m3	1	11/19/21	B1K2203	TO-15	
107-06-2	1,2-Dichloroethane	ND	1.2	ug/m3	1	11/19/21	B1K2203	TO-15	
78-87-5	1,2-Dichloropropane	ND	1.4	ug/m3	1	11/19/21	B1K2203	TO-15	
108-67-8	1,3,5-Trimethylbenzene	1.4	1.5	ug/m3	1	11/19/21	B1K2203	TO-15	T
106-99-0	1,3-Butadiene	ND	0.66	ug/m3	1	11/19/21	B1K2203	TO-15	
541-73-1	1,3-Dichlorobenzene	ND	1.8	ug/m3	1	11/19/21	B1K2203	TO-15	
106-46-7	1,4-Dichlorobenzene	ND	1.8	ug/m3	1	11/19/21	B1K2203	TO-15	
540-84-1	2,2,4-Trimethylpentane	ND	1.4	ug/m3	1	11/19/21	B1K2203	TO-15	
78-93-3	2-Butanone (MEK)	ND	15	ug/m3	1	11/19/21	B1K2203	TO-15	
91-57-6	2-Methylnaphthalene	ND	29	ug/m3	1	11/19/21	B1K2203	TO-15	A10, X1
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	4.1	ug/m3	1	11/19/21	B1K2203	TO-15	
75-05-8	Acetonitrile	ND	1.7	ug/m3	1	11/19/21	B1K2203	TO-15	
107-13-1	Acrylonitrile	ND	1.1	ug/m3	1	11/19/21	B1K2203	TO-15	
71-43-2	Benzene	ND	0.95	ug/m3	1	11/19/21	B1K2203	TO-15	
75-27-4	Bromodichloromethane	ND	2.0	ug/m3	1	11/19/21	B1K2203	TO-15	
75-25-2	Bromoform	ND	3.1	ug/m3	1	11/19/21	B1K2203	TO-15	
74-83-9	Bromomethane	ND	1.2	ug/m3	1	11/19/21	B1K2203	TO-15	
56-23-5	Carbon tetrachloride	ND	1.9	ug/m3	1	11/19/21	B1K2203	TO-15	
108-90-7	Chlorobenzene	ND	1.4	ug/m3	1	11/19/21	B1K2203	TO-15	
75-00-3	Chloroethane	ND	0.79	ug/m3	1	11/19/21	B1K2203	TO-15	
67-66-3	Chloroform	ND	1.5	ug/m3	1	11/19/21	B1K2203	TO-15	
74-87-3	Chloromethane	1.0	0.62	ug/m3	1	11/19/21	B1K2203	TO-15	
156-59-2	cis-1,2-Dichloroethylene	ND	1.2	ug/m3	1	11/19/21	B1K2203	TO-15	
10061-01-5	cis-1,3-Dichloropropylene	ND	1.4	ug/m3	1	11/19/21	B1K2203	TO-15	
110-82-7	Cyclohexane	ND	1.0	ug/m3	1	11/19/21	B1K2203	TO-15	
124-48-1	Dibromochloromethane	ND	2.5	ug/m3	1	11/19/21	B1K2203	TO-15	
75-71-8	Dichlorodifluoromethane	2.3	1.5	ug/m3	1	11/19/21	B1K2203	TO-15	
100-41-4	Ethylbenzene	ND	1.3	ug/m3	1	11/19/21	B1K2203	TO-15	
110-54-3	Hexane	ND	3.5	ug/m3	1	11/19/21	B1K2203	TO-15	



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: GRAB3

Lab ID: 2111143-07

CAS #	Analyte	Result	RL	Units	Dilution	Analyzed Date	QC Batch	Method	Qualifier
Organics-Volatiles									
98-82-8	Isopropylbenzene	ND	1.5	ug/m3	1	11/19/21	B1K2203	TO-15	
1330-20-7	m & p - Xylene	2.5	1.3	ug/m3	1	11/19/21	B1K2203	TO-15	
75-09-2	Methylene chloride	ND	1.0	ug/m3	1	11/19/21	B1K2203	TO-15	
1634-04-4	Methyltertiarybutylether	ND	1.8	ug/m3	1	11/19/21	B1K2203	TO-15	
91-20-3	Naphthalene	ND	26	ug/m3	1	11/19/21	B1K2203	TO-15	X1
104-51-8	n-Butylbenzene	ND	5.5	ug/m3	1	11/19/21	B1K2203	TO-15	
103-65-1	n-Propylbenzene	ND	1.5	ug/m3	1	11/19/21	B1K2203	TO-15	
95-47-6	o-Xylene	ND	1.3	ug/m3	1	11/19/21	B1K2203	TO-15	
135-98-8	sec-Butylbenzene	ND	1.6	ug/m3	1	11/19/21	B1K2203	TO-15	
100-42-5	Styrene	ND	1.3	ug/m3	1	11/19/21	B1K2203	TO-15	
127-18-4	Tetrachloroethylene	ND	2.0	ug/m3	1	11/19/21	B1K2203	TO-15	
108-88-3	Toluene	ND	1.1	ug/m3	1	11/19/21	B1K2203	TO-15	
156-60-5	trans-1,2-Dichloroethylene	ND	1.2	ug/m3	1	11/19/21	B1K2203	TO-15	
10061-02-6	trans-1,3-Dichloropropylene	ND	1.4	ug/m3	1	11/19/21	B1K2203	TO-15	
79-01-6	Trichloroethylene	ND	1.6	ug/m3	1	11/19/21	B1K2203	TO-15	
75-69-4	Trichlorofluoromethane	ND	1.7	ug/m3	1	11/19/21	B1K2203	TO-15	
75-01-4	Vinyl chloride	ND	0.76	ug/m3	1	11/19/21	B1K2203	TO-15	
<i>Surrogate: Bromofluorobenzene</i>			99.4 %	70-130		11/19/21	B1K2203	TO-15	



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
FAX: (517) 335-9600

Client ID: GRAB4

Lab ID: 2111143-08

CAS #	Analyte	Result	RL	Units	Dilution	Analyzed Date	QC Batch	Method	Qualifier
Organics-Volatiles									
71-55-6	1,1,1-Trichloroethane	ND	1.6	ug/m3	1	11/19/21	B1K2203	TO-15	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.1	ug/m3	1	11/19/21	B1K2203	TO-15	
79-00-5	1,1,2-Trichloroethane	ND	1.6	ug/m3	1	11/19/21	B1K2203	TO-15	
75-34-3	1,1-Dichloroethane	ND	1.2	ug/m3	1	11/19/21	B1K2203	TO-15	
75-35-4	1,1-Dichloroethylene	ND	1.2	ug/m3	1	11/19/21	B1K2203	TO-15	
87-61-6	1,2,3-Trichlorobenzene	ND	7.4	ug/m3	1	11/19/21	B1K2203	TO-15	
96-18-4	1,2,3-Trichloropropane	ND	1.8	ug/m3	1	11/19/21	B1K2203	TO-15	
526-73-8	1,2,3-Trimethylbenzene	ND	1.5	ug/m3	1	11/19/21	B1K2203	TO-15	
120-82-1	1,2,4-Trichlorobenzene	ND	3.7	ug/m3	1	11/19/21	B1K2203	TO-15	
95-63-6	1,2,4-Trimethylbenzene	6.0	1.5	ug/m3	1	11/19/21	B1K2203	TO-15	
106-93-4	1,2-Dibromoethane	ND	2.3	ug/m3	1	11/19/21	B1K2203	TO-15	
95-50-1	1,2-Dichlorobenzene	ND	1.8	ug/m3	1	11/19/21	B1K2203	TO-15	
107-06-2	1,2-Dichloroethane	ND	1.2	ug/m3	1	11/19/21	B1K2203	TO-15	
78-87-5	1,2-Dichloropropane	ND	1.4	ug/m3	1	11/19/21	B1K2203	TO-15	
108-67-8	1,3,5-Trimethylbenzene	1.7	1.5	ug/m3	1	11/19/21	B1K2203	TO-15	
106-99-0	1,3-Butadiene	ND	0.66	ug/m3	1	11/19/21	B1K2203	TO-15	
541-73-1	1,3-Dichlorobenzene	ND	1.8	ug/m3	1	11/19/21	B1K2203	TO-15	
106-46-7	1,4-Dichlorobenzene	ND	1.8	ug/m3	1	11/19/21	B1K2203	TO-15	
540-84-1	2,2,4-Trimethylpentane	ND	1.4	ug/m3	1	11/19/21	B1K2203	TO-15	
78-93-3	2-Butanone (MEK)	ND	15	ug/m3	1	11/19/21	B1K2203	TO-15	
91-57-6	2-Methylnaphthalene	ND	29	ug/m3	1	11/19/21	B1K2203	TO-15	A10, X1
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	4.1	ug/m3	1	11/19/21	B1K2203	TO-15	
75-05-8	Acetonitrile	ND	1.7	ug/m3	1	11/19/21	B1K2203	TO-15	
107-13-1	Acrylonitrile	ND	1.1	ug/m3	1	11/19/21	B1K2203	TO-15	
71-43-2	Benzene	ND	0.95	ug/m3	1	11/19/21	B1K2203	TO-15	
75-27-4	Bromodichloromethane	ND	2.0	ug/m3	1	11/19/21	B1K2203	TO-15	
75-25-2	Bromoform	ND	3.1	ug/m3	1	11/19/21	B1K2203	TO-15	
74-83-9	Bromomethane	ND	1.2	ug/m3	1	11/19/21	B1K2203	TO-15	
56-23-5	Carbon tetrachloride	ND	1.9	ug/m3	1	11/19/21	B1K2203	TO-15	
108-90-7	Chlorobenzene	ND	1.4	ug/m3	1	11/19/21	B1K2203	TO-15	
75-00-3	Chloroethane	ND	0.79	ug/m3	1	11/19/21	B1K2203	TO-15	
67-66-3	Chloroform	ND	1.5	ug/m3	1	11/19/21	B1K2203	TO-15	
74-87-3	Chloromethane	1.0	0.62	ug/m3	1	11/19/21	B1K2203	TO-15	
156-59-2	cis-1,2-Dichloroethylene	ND	1.2	ug/m3	1	11/19/21	B1K2203	TO-15	
10061-01-5	cis-1,3-Dichloropropylene	ND	1.4	ug/m3	1	11/19/21	B1K2203	TO-15	
110-82-7	Cyclohexane	ND	1.0	ug/m3	1	11/19/21	B1K2203	TO-15	
124-48-1	Dibromochloromethane	ND	2.5	ug/m3	1	11/19/21	B1K2203	TO-15	
75-71-8	Dichlorodifluoromethane	2.3	1.5	ug/m3	1	11/19/21	B1K2203	TO-15	
100-41-4	Ethylbenzene	ND	1.3	ug/m3	1	11/19/21	B1K2203	TO-15	
110-54-3	Hexane	ND	3.5	ug/m3	1	11/19/21	B1K2203	TO-15	



MICHIGAN DEPARTMENT OF
ENVIRONMENT, GREAT LAKES, AND ENERGY

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ENVIRONMENTAL LABORATORY

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

Client ID: GRAB4

Lab ID: 2111143-08

CAS #	Analyte	Result	RL	Units	Dilution	Analyzed Date	QC Batch	Method	Qualifier
Organics-Volatiles									
98-82-8	Isopropylbenzene	ND	1.5	ug/m3	1	11/19/21	B1K2203	TO-15	
1330-20-7	m & p - Xylene	2.4	1.3	ug/m3	1	11/19/21	B1K2203	TO-15	
75-09-2	Methylene chloride	ND	1.0	ug/m3	1	11/19/21	B1K2203	TO-15	
1634-04-4	Methyltertiarybutylether	ND	1.8	ug/m3	1	11/19/21	B1K2203	TO-15	
91-20-3	Naphthalene	ND	26	ug/m3	1	11/19/21	B1K2203	TO-15	X1
104-51-8	n-Butylbenzene	ND	5.5	ug/m3	1	11/19/21	B1K2203	TO-15	
103-65-1	n-Propylbenzene	ND	1.5	ug/m3	1	11/19/21	B1K2203	TO-15	
95-47-6	o-Xylene	ND	1.3	ug/m3	1	11/19/21	B1K2203	TO-15	
135-98-8	sec-Butylbenzene	ND	1.6	ug/m3	1	11/19/21	B1K2203	TO-15	
100-42-5	Styrene	ND	1.3	ug/m3	1	11/19/21	B1K2203	TO-15	
127-18-4	Tetrachloroethylene	ND	2.0	ug/m3	1	11/19/21	B1K2203	TO-15	
108-88-3	Toluene	ND	1.1	ug/m3	1	11/19/21	B1K2203	TO-15	
156-60-5	trans-1,2-Dichloroethylene	ND	1.2	ug/m3	1	11/19/21	B1K2203	TO-15	
10061-02-6	trans-1,3-Dichloropropylene	ND	1.4	ug/m3	1	11/19/21	B1K2203	TO-15	
79-01-6	Trichloroethylene	ND	1.6	ug/m3	1	11/19/21	B1K2203	TO-15	
75-69-4	Trichlorofluoromethane	ND	1.7	ug/m3	1	11/19/21	B1K2203	TO-15	
75-01-4	Vinyl chloride	ND	0.76	ug/m3	1	11/19/21	B1K2203	TO-15	
<i>Surrogate: Bromofluorobenzene</i>			97.9 %	70-130		11/19/21	B1K2203	TO-15	



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: GRAB5

Lab ID: 2111143-09

CAS #	Analyte	Result	RL	Units	Dilution	Analyzed Date	QC Batch	Method	Qualifier
Organics-Volatiles									
71-55-6	1,1,1-Trichloroethane	ND	1.6	ug/m3	1	11/19/21	B1K2203	TO-15	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.1	ug/m3	1	11/19/21	B1K2203	TO-15	
79-00-5	1,1,2-Trichloroethane	ND	1.6	ug/m3	1	11/19/21	B1K2203	TO-15	
75-34-3	1,1-Dichloroethane	ND	1.2	ug/m3	1	11/19/21	B1K2203	TO-15	
75-35-4	1,1-Dichloroethylene	ND	1.2	ug/m3	1	11/19/21	B1K2203	TO-15	
87-61-6	1,2,3-Trichlorobenzene	ND	7.4	ug/m3	1	11/19/21	B1K2203	TO-15	
96-18-4	1,2,3-Trichloropropane	ND	1.8	ug/m3	1	11/19/21	B1K2203	TO-15	
526-73-8	1,2,3-Trimethylbenzene	ND	1.5	ug/m3	1	11/19/21	B1K2203	TO-15	
120-82-1	1,2,4-Trichlorobenzene	ND	3.7	ug/m3	1	11/19/21	B1K2203	TO-15	
95-63-6	1,2,4-Trimethylbenzene	2.9	1.5	ug/m3	1	11/19/21	B1K2203	TO-15	
106-93-4	1,2-Dibromoethane	ND	2.3	ug/m3	1	11/19/21	B1K2203	TO-15	
95-50-1	1,2-Dichlorobenzene	ND	1.8	ug/m3	1	11/19/21	B1K2203	TO-15	
107-06-2	1,2-Dichloroethane	ND	1.2	ug/m3	1	11/19/21	B1K2203	TO-15	
78-87-5	1,2-Dichloropropane	ND	1.4	ug/m3	1	11/19/21	B1K2203	TO-15	
108-67-8	1,3,5-Trimethylbenzene	ND	1.5	ug/m3	1	11/19/21	B1K2203	TO-15	
106-99-0	1,3-Butadiene	ND	0.66	ug/m3	1	11/19/21	B1K2203	TO-15	
541-73-1	1,3-Dichlorobenzene	ND	1.8	ug/m3	1	11/19/21	B1K2203	TO-15	
106-46-7	1,4-Dichlorobenzene	ND	1.8	ug/m3	1	11/19/21	B1K2203	TO-15	
540-84-1	2,2,4-Trimethylpentane	ND	1.4	ug/m3	1	11/19/21	B1K2203	TO-15	
78-93-3	2-Butanone (MEK)	ND	15	ug/m3	1	11/19/21	B1K2203	TO-15	
91-57-6	2-Methylnaphthalene	ND	29	ug/m3	1	11/19/21	B1K2203	TO-15	A10, X1
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	4.1	ug/m3	1	11/19/21	B1K2203	TO-15	
75-05-8	Acetonitrile	ND	1.7	ug/m3	1	11/19/21	B1K2203	TO-15	
107-13-1	Acrylonitrile	ND	1.1	ug/m3	1	11/19/21	B1K2203	TO-15	
71-43-2	Benzene	ND	0.95	ug/m3	1	11/19/21	B1K2203	TO-15	
75-27-4	Bromodichloromethane	ND	2.0	ug/m3	1	11/19/21	B1K2203	TO-15	
75-25-2	Bromoform	ND	3.1	ug/m3	1	11/19/21	B1K2203	TO-15	
74-83-9	Bromomethane	ND	1.2	ug/m3	1	11/19/21	B1K2203	TO-15	
56-23-5	Carbon tetrachloride	ND	1.9	ug/m3	1	11/19/21	B1K2203	TO-15	
108-90-7	Chlorobenzene	ND	1.4	ug/m3	1	11/19/21	B1K2203	TO-15	
75-00-3	Chloroethane	ND	0.79	ug/m3	1	11/19/21	B1K2203	TO-15	
67-66-3	Chloroform	ND	1.5	ug/m3	1	11/19/21	B1K2203	TO-15	
74-87-3	Chloromethane	1.1	0.62	ug/m3	1	11/19/21	B1K2203	TO-15	
156-59-2	cis-1,2-Dichloroethylene	ND	1.2	ug/m3	1	11/19/21	B1K2203	TO-15	
10061-01-5	cis-1,3-Dichloropropylene	ND	1.4	ug/m3	1	11/19/21	B1K2203	TO-15	
110-82-7	Cyclohexane	ND	1.0	ug/m3	1	11/19/21	B1K2203	TO-15	
124-48-1	Dibromochloromethane	ND	2.5	ug/m3	1	11/19/21	B1K2203	TO-15	
75-71-8	Dichlorodifluoromethane	2.3	1.5	ug/m3	1	11/19/21	B1K2203	TO-15	
100-41-4	Ethylbenzene	ND	1.3	ug/m3	1	11/19/21	B1K2203	TO-15	
110-54-3	Hexane	ND	3.5	ug/m3	1	11/19/21	B1K2203	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: GRAB5

Lab ID: 2111143-09

CAS #	Analyte	Result	RL	Units	Dilution	Analyzed Date	QC Batch	Method	Qualifier
Organics-Volatiles									
98-82-8	Isopropylbenzene	ND	1.5	ug/m3	1	11/19/21	B1K2203	TO-15	
1330-20-7	m & p - Xylene	1.6	1.3	ug/m3	1	11/19/21	B1K2203	TO-15	
75-09-2	Methylene chloride	ND	1.0	ug/m3	1	11/19/21	B1K2203	TO-15	
1634-04-4	Methyltertiarybutylether	ND	1.8	ug/m3	1	11/19/21	B1K2203	TO-15	
91-20-3	Naphthalene	ND	26	ug/m3	1	11/19/21	B1K2203	TO-15	X1
104-51-8	n-Butylbenzene	ND	5.5	ug/m3	1	11/19/21	B1K2203	TO-15	
103-65-1	n-Propylbenzene	ND	1.5	ug/m3	1	11/19/21	B1K2203	TO-15	
95-47-6	o-Xylene	ND	1.3	ug/m3	1	11/19/21	B1K2203	TO-15	
135-98-8	sec-Butylbenzene	ND	1.6	ug/m3	1	11/19/21	B1K2203	TO-15	
100-42-5	Styrene	ND	1.3	ug/m3	1	11/19/21	B1K2203	TO-15	
127-18-4	Tetrachloroethylene	ND	2.0	ug/m3	1	11/19/21	B1K2203	TO-15	
108-88-3	Toluene	ND	1.1	ug/m3	1	11/19/21	B1K2203	TO-15	
156-60-5	trans-1,2-Dichloroethylene	ND	1.2	ug/m3	1	11/19/21	B1K2203	TO-15	
10061-02-6	trans-1,3-Dichloropropylene	ND	1.4	ug/m3	1	11/19/21	B1K2203	TO-15	
79-01-6	Trichloroethylene	ND	1.6	ug/m3	1	11/19/21	B1K2203	TO-15	
75-69-4	Trichlorofluoromethane	ND	1.7	ug/m3	1	11/19/21	B1K2203	TO-15	
75-01-4	Vinyl chloride	ND	0.76	ug/m3	1	11/19/21	B1K2203	TO-15	
<i>Surrogate: Bromofluorobenzene</i>			<i>99.1 %</i>	<i>70-130</i>		<i>11/19/21</i>	<i>B1K2203</i>	<i>TO-15</i>	



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ENVIRONMENTAL LABORATORY

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

Client ID: DWND4

Lab ID: 2111143-10

CAS #	Analyte	Result	RL	Units	Dilution	Analyzed Date	QC Batch	Method	Qualifier
Organics-Volatiles									
71-55-6	1,1,1-Trichloroethane	ND	1.6	ug/m3	1	11/19/21	B1K2203	TO-15	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.1	ug/m3	1	11/19/21	B1K2203	TO-15	
79-00-5	1,1,2-Trichloroethane	ND	1.6	ug/m3	1	11/19/21	B1K2203	TO-15	
75-34-3	1,1-Dichloroethane	ND	1.2	ug/m3	1	11/19/21	B1K2203	TO-15	
75-35-4	1,1-Dichloroethylene	ND	1.2	ug/m3	1	11/19/21	B1K2203	TO-15	
87-61-6	1,2,3-Trichlorobenzene	ND	7.4	ug/m3	1	11/19/21	B1K2203	TO-15	
96-18-4	1,2,3-Trichloropropane	ND	1.8	ug/m3	1	11/19/21	B1K2203	TO-15	
526-73-8	1,2,3-Trimethylbenzene	ND	1.5	ug/m3	1	11/19/21	B1K2203	TO-15	
120-82-1	1,2,4-Trichlorobenzene	ND	3.7	ug/m3	1	11/19/21	B1K2203	TO-15	
95-63-6	1,2,4-Trimethylbenzene	ND	1.5	ug/m3	1	11/19/21	B1K2203	TO-15	
106-93-4	1,2-Dibromoethane	ND	2.3	ug/m3	1	11/19/21	B1K2203	TO-15	
95-50-1	1,2-Dichlorobenzene	ND	1.8	ug/m3	1	11/19/21	B1K2203	TO-15	
107-06-2	1,2-Dichloroethane	ND	1.2	ug/m3	1	11/19/21	B1K2203	TO-15	
78-87-5	1,2-Dichloropropane	ND	1.4	ug/m3	1	11/19/21	B1K2203	TO-15	
108-67-8	1,3,5-Trimethylbenzene	ND	1.5	ug/m3	1	11/19/21	B1K2203	TO-15	
106-99-0	1,3-Butadiene	ND	0.66	ug/m3	1	11/19/21	B1K2203	TO-15	
541-73-1	1,3-Dichlorobenzene	ND	1.8	ug/m3	1	11/19/21	B1K2203	TO-15	
106-46-7	1,4-Dichlorobenzene	ND	1.8	ug/m3	1	11/19/21	B1K2203	TO-15	
540-84-1	2,2,4-Trimethylpentane	ND	1.4	ug/m3	1	11/19/21	B1K2203	TO-15	
78-93-3	2-Butanone (MEK)	ND	15	ug/m3	1	11/19/21	B1K2203	TO-15	
91-57-6	2-Methylnaphthalene	ND	29	ug/m3	1	11/19/21	B1K2203	TO-15	A10, X1
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	4.1	ug/m3	1	11/19/21	B1K2203	TO-15	
75-05-8	Acetonitrile	ND	1.7	ug/m3	1	11/19/21	B1K2203	TO-15	
107-13-1	Acrylonitrile	ND	1.1	ug/m3	1	11/19/21	B1K2203	TO-15	
71-43-2	Benzene	ND	0.95	ug/m3	1	11/19/21	B1K2203	TO-15	
75-27-4	Bromodichloromethane	ND	2.0	ug/m3	1	11/19/21	B1K2203	TO-15	
75-25-2	Bromoform	ND	3.1	ug/m3	1	11/19/21	B1K2203	TO-15	
74-83-9	Bromomethane	ND	1.2	ug/m3	1	11/19/21	B1K2203	TO-15	
56-23-5	Carbon tetrachloride	ND	1.9	ug/m3	1	11/19/21	B1K2203	TO-15	
108-90-7	Chlorobenzene	ND	1.4	ug/m3	1	11/19/21	B1K2203	TO-15	
75-00-3	Chloroethane	ND	0.79	ug/m3	1	11/19/21	B1K2203	TO-15	
67-66-3	Chloroform	ND	1.5	ug/m3	1	11/19/21	B1K2203	TO-15	
74-87-3	Chloromethane	1.2	0.62	ug/m3	1	11/19/21	B1K2203	TO-15	
156-59-2	cis-1,2-Dichloroethylene	ND	1.2	ug/m3	1	11/19/21	B1K2203	TO-15	
10061-01-5	cis-1,3-Dichloropropylene	ND	1.4	ug/m3	1	11/19/21	B1K2203	TO-15	
110-82-7	Cyclohexane	ND	1.0	ug/m3	1	11/19/21	B1K2203	TO-15	
124-48-1	Dibromochloromethane	ND	2.5	ug/m3	1	11/19/21	B1K2203	TO-15	
75-71-8	Dichlorodifluoromethane	2.3	1.5	ug/m3	1	11/19/21	B1K2203	TO-15	
100-41-4	Ethylbenzene	ND	1.3	ug/m3	1	11/19/21	B1K2203	TO-15	
110-54-3	Hexane	ND	3.5	ug/m3	1	11/19/21	B1K2203	TO-15	



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

Client ID: DWND4

Lab ID: 2111143-10

CAS #	Analyte	Result	RL	Units	Dilution	Analyzed Date	QC Batch	Method	Qualifier
Organics-Volatiles									
98-82-8	Isopropylbenzene	ND	1.5	ug/m3	1	11/19/21	B1K2203	TO-15	
1330-20-7	m & p - Xylene	1.1	1.3	ug/m3	1	11/19/21	B1K2203	TO-15	T
75-09-2	Methylene chloride	ND	1.0	ug/m3	1	11/19/21	B1K2203	TO-15	
1634-04-4	Methyltertiarybutylether	ND	1.8	ug/m3	1	11/19/21	B1K2203	TO-15	
91-20-3	Naphthalene	ND	26	ug/m3	1	11/19/21	B1K2203	TO-15	X1
104-51-8	n-Butylbenzene	ND	5.5	ug/m3	1	11/19/21	B1K2203	TO-15	
103-65-1	n-Propylbenzene	ND	1.5	ug/m3	1	11/19/21	B1K2203	TO-15	
95-47-6	o-Xylene	ND	1.3	ug/m3	1	11/19/21	B1K2203	TO-15	
135-98-8	sec-Butylbenzene	ND	1.6	ug/m3	1	11/19/21	B1K2203	TO-15	
100-42-5	Styrene	ND	1.3	ug/m3	1	11/19/21	B1K2203	TO-15	
127-18-4	Tetrachloroethylene	ND	2.0	ug/m3	1	11/19/21	B1K2203	TO-15	
108-88-3	Toluene	1.1	1.1	ug/m3	1	11/19/21	B1K2203	TO-15	
156-60-5	trans-1,2-Dichloroethylene	ND	1.2	ug/m3	1	11/19/21	B1K2203	TO-15	
10061-02-6	trans-1,3-Dichloropropylene	ND	1.4	ug/m3	1	11/19/21	B1K2203	TO-15	
79-01-6	Trichloroethylene	ND	1.6	ug/m3	1	11/19/21	B1K2203	TO-15	
75-69-4	Trichlorofluoromethane	ND	1.7	ug/m3	1	11/19/21	B1K2203	TO-15	
75-01-4	Vinyl chloride	ND	0.76	ug/m3	1	11/19/21	B1K2203	TO-15	
<i>Surrogate: Bromofluorobenzene</i>			<i>94.6 %</i>	<i>70-130</i>		<i>11/19/21</i>	<i>B1K2203</i>	<i>TO-15</i>	



Analysis Request Sheet

Lab Work Order Number

Project Name

Matrix

211143

FCA Stellantis Mack Ave

AIR

Location ID

Program
A Q D

CC Email 1
kilmers@michigan.gov

Project TAT Days
15

Sample Collector
Scott Hamilton

Dept-Division-District
EGLE AQD AMU

Activity

CC Email 2
hamilton.scott@epa.gov

Project Due Date

Sample Collector Phone
312-353-4975

State Project Manager
Susan Kilmer

Funding Source
Air105

CC Email 3

Accept Analysis hold time codes

Contract Firm

State Project Manager Email
kilmers@michigan.gov

Location Code
82

Overflow Lab Choice 1

Contract Firm Primary Contact

State Project Manager Phone
517-242-2655

SUB 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
01	DWND1	11/16/21	24hr	1	open: 1019@-29.5 close: 0735@-3.5	102	121
02	DWND2	11/16/21	24hr	1	open: 1029@-28 close: 0748@-3	105	141
03	DWND3	11/16/21	24hr	1	open: 1036@-29 close: 0757@-25	101	118
04	UPWND1	11/16/21	24hr	1	open: 1055@-27 close: 0728@-2	104	135
05	GRAB1	11/16/21	grab	1	1053-1054	NA	70
06	GRAB2	11/16/21	grab	1	1054-1055	NA	91

ORGANIC CHEMISTRY

VOA - Volatile Organic Analysis

Bottlevac	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
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LOCATIONS:

DWND1: 42.3871959, -82.9765807

DWND2: 42.388387, -82.9783751

DWND3: 42.3885257, -82.9800109

UPWND1: 42.3784331, -82.9793055

GRAB1: 42.38430625, -82.98265364

GRAB2: 42.38430625, -82.98265364

Chain of Custody	Relinquished by	Received By	Date / Time	
	Print Name & Org. Katherine Howe US EPA	Print Name & Org. Matt Riseley EGLE	11/17/21	15:05
	Signature: <i>Katherine Howe</i>	Signature: <i>Matt Riseley</i>	11-18-21	11/19/21
	Print Name & Org. Matt Riseley - EGLE	Print Name & Org. Melissa Smith	11:45	8:55
Signature: <i>Matt Riseley</i>	Signature: <i>Melissa Smith</i>			
Print Name & Org.				
Signature:				



Analysis Request Sheet

Lab Work Order Number 211143	Project Name FCA Stellantis Mack Ave	Matrix AIR
Location ID	Program AQD	CC Email 1 killmers@michigan.gov
Dept-Division-District EGLE AQD AMU	Activity	CC Email 2 hamilton.scott@epa.gov
State Project Manager Susan Kilmer	Funding Source Air105	CC Email 3
State Project Manager Email killmers@michigan.gov	Location Code 82	Overflow Lab Choice 1
State Project Manager Phone 517-242-2655	SUD Location Code	Overflow Lab Choice 2
		Project TAT Days 15
		Project Due Date
		Sample Collector Scott Hamilton
		Sample Collector Phone 312-353-4775
		Contract Firm
		Contract Firm Primary Contact
		Primary Contact Phone
		Accept Analysis hold time codes

Lab Use Only	Field Sample Identification	Collection Date	Collection Time	Bottle Count	Comments	Regulator ID	Canister/Bottle Vac Number
07	GRAB3	11/16/21	grab	1	17:23-17:24	NA	111
08	GRAB4	11/16/21	grab	1	17:45-17:46	NA	101
09	GRAB5	11/17/21	grab	1	0745-0745	NA	193
10	DWVND4	11/17/21	8hr	1	open: 0753 @ -28	218	15A
		11/17/21			close: 1319 @ -8		

ORGANIC CHEMISTRY VOA - Volatile Organic Analysis Bottlevac 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	GRAB3: 42.38534006, -82.98417208 GRAB4: 42.38589176, -82.98447801 GRAB5: 42.3883089, -82.97840356 DWVND4. 42.388387, -82.9783751
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Chain of Custody	Relinquished by	Received By	Date / Time
	Print Name & Org. KATHERINE HALL W/EPH	MATT RISEAY EGLE	11/17/21
	Signature: <i>Katherine Hall</i>	<i>Matt Riseay</i>	15:05
	Print Name & Org. MATT RISEAY - EGLE	Melissa Hutch	11.18.21 11/19/21
Signature: <i>Matt Riseay</i>	<i>Melissa Hutch</i>	11:45 855	
Print Name & Org.			
Signature:			