

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

11 January 2023 Work Order: 2212138

Price: \$720.00

Amy Keranen EGLE-RRD-UP 1504 W. Washington St. Marquette, MI 49855

RE: CALUMET DRY CLEANER

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

Lab Work Order # 2212138 Page 1 of 11



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EGLE-RRD-UP Project: CALUMET DRY CLEANER

1504 W. Washington St.Site Code: 31000530Reported: 01/11/2023Marquette MI, 49855Project Manager: Amy Keranen01/11/2023

Analytical Report for Samples

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received Qualifier
22VP01-SS	2212138-01	Air	12/13/2022	12/16/2022
22VP02-SS	2212138-02	Air	12/13/2022	12/16/2022
22VP03-SS	2212138-03	Air	12/13/2022	12/16/2022
22VP04-SS	2212138-04	Air	12/13/2022	12/16/2022

Notes and Definitions

Y11	Unidentified	peaks	present	in sam	ple.
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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 12/16/2022 3:07:00PM for client EGLE-RRD-UP as a part of project CALUMET DRY CLEANER.

Samples were logged and designated as Work Order # 2212138 on 12/16/2022 3:19:00PM.

This Report was created 1/11/2023 11:03:44AM.

Additional Notes/Narrative (if applicable):



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

Client ID: 22VP01-SS Lab ID: 2212138-01

CAS#	Analyte	Result	RL	Units	Dilution	Analyzed Date	QC Batch	Method	Analyst (Qualifier
Organics-Vola	`						<u> </u>		See not	
71-55-6	1,1,1-Trichloroethane	ND	1.6	ug/m3	1	12/20/22	B2L2210	TO-15	CA	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.1	ug/m3	1	12/20/22	B2L2210	TO-15	CA	
79-00-5	1,1,2-Trichloroethane	ND	1.6	ug/m3	1	12/20/22	B2L2210	TO-15	CA	
76-13-1	1,1,2-Trichlorotrifluoroethane	ND	2.3	ug/m3	1	12/20/22	B2L2210	TO-15	CA	
75-34-3	1,1-Dichloroethane	ND	1.2	ug/m3	1	12/20/22	B2L2210	TO-15	CA	
75-35-4	1,1-Dichloroethylene	ND	1.2	ug/m3	1	12/20/22	B2L2210	TO-15	CA	
87-61-6	1,2,3-Trichlorobenzene	ND	7.4	ug/m3	1	12/20/22	B2L2210	TO-15	CA	
96-18-4	1,2,3-Trichloropropane	ND	1.8	ug/m3	1	12/20/22	B2L2210	TO-15	CA	
526-73-8	1,2,3-Trimethylbenzene	3.3	1.5	ug/m3	1	12/20/22	B2L2210	TO-15	CA	
120-82-1	1,2,4-Trichlorobenzene	ND	3.7	ug/m3	1	12/20/22	B2L2210	TO-15	CA	
95-63-6	1,2,4-Trimethylbenzene	14	1.5	ug/m3	1	12/20/22	B2L2210	TO-15	CA	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.9	ug/m3	1	12/20/22	B2L2210	TO-15	CA	
106-93-4	1,2-Dibromoethane	ND	2.3	ug/m3	1	12/20/22	B2L2210	TO-15	CA	
95-50-1	1,2-Dichlorobenzene	ND	1.8	ug/m3	1	12/20/22	B2L2210	TO-15	CA	
107-06-2	1,2-Dichloroethane	ND	1.2	ug/m3	1	12/20/22	B2L2210	TO-15	CA	
78-87-5	1,2-Dichloropropane	ND	1.4	ug/m3	1	12/20/22	B2L2210	TO-15	CA	
108-67-8	1,3,5-Trimethylbenzene	3.5	1.5	ug/m3	1	12/20/22	B2L2210	TO-15	CA	
106-99-0	1,3-Butadiene	ND	0.66	ug/m3	1	12/20/22	B2L2210	TO-15	CA	
541-73-1	1,3-Dichlorobenzene	ND	1.8	ug/m3	1	12/20/22	B2L2210	TO-15	CA	
106-46-7	1,4-Dichlorobenzene	ND	1.8	ug/m3	1	12/20/22	B2L2210	TO-15	CA	
540-84-1	2,2,4-Trimethylpentane	13	1.4	ug/m3	1	12/20/22	B2L2210	TO-15	CA	
78-93-3	2-Butanone (MEK)	ND	15	ug/m3	1	12/20/22	B2L2210	TO-15	CA	
91-57-6	2-Methylnaphthalene	ND	29	ug/m3	1	12/20/22	B2L2210	TO-15	CA	X1
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	4.1	ug/m3	1	12/20/22	B2L2210	TO-15	CA	
67-64-1	Acetone	ND	59	ug/m3	1	12/20/22	B2L2210	TO-15	CA	
75-05-8	Acetonitrile	ND	1.7	ug/m3	1	12/20/22	B2L2210	TO-15	CA	
107-13-1	Acrylonitrile	ND	1.1	ug/m3	1	12/20/22	B2L2210	TO-15	CA	
71-43-2	Benzene	4.3	0.96	ug/m3	1	12/20/22	B2L2210	TO-15	CA	
108-86-1	Bromobenzene	ND	1.9	ug/m3	1	12/20/22	B2L2210	TO-15	CA	
75-27-4	Bromodichloromethane	ND	2.0	ug/m3	1	12/20/22	B2L2210	TO-15	CA	
75-25-2	Bromoform	ND	3.1	ug/m3	1	12/20/22	B2L2210	TO-15	CA	
74-83-9	Bromomethane	ND	1.2	ug/m3	1	12/20/22	B2L2210	TO-15	CA	
75-15-0	Carbon disulfide	ND	0.93	ug/m3	1	12/20/22	B2L2210	TO-15	CA	
56-23-5	Carbon tetrachloride	ND	1.9	ug/m3	1	12/20/22	B2L2210	TO-15	CA	
108-90-7	Chlorobenzene	ND	1.4	ug/m3	1	12/20/22	B2L2210	TO-15	CA	
75-00-3	Chloroethane	ND	0.79	ug/m3	1	12/20/22	B2L2210	TO-15	CA	
67-66-3	Chloroform	ND	1.5	ug/m3	1	12/20/22	B2L2210	TO-15	CA	
74-87-3	Chloromethane	ND	0.62	ug/m3	1	12/20/22	B2L2210	TO-15	CA	
156-59-2	cis-1,2-Dichloroethylene	ND	1.2	ug/m3	1	12/20/22	B2L2210	TO-15	CA	
10061-01-5	cis-1,3-Dichloropropylene	ND	1.4	ug/m3	1	12/20/22	B2L2210	TO-15	CA	
110-82-7	Cyclohexane	2.3	1.0	ug/m3	1	12/20/22	B2L2210	TO-15	CA	
124-48-1	Dibromochloromethane	ND	2.5	ug/m3	1	12/20/22	B2L2210	TO-15	CA	



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Client ID: 22VP01-SS Lab ID: 2212138-01

CAS#	Analyte	Result	RL	Units	Dilution	Analyzed Date	QC Batch	Method	Analyst	Qualifier
Organics-Volat	iles								See n	ote Y11
75-71-8	Dichlorodifluoromethane	2.3	1.5	ug/m3	1	12/20/22	B2L2210	TO-15	CA	
60-29-7	Diethyl ether	ND	3.0	ug/m3	1	12/20/22	B2L2210	TO-15	CA	
108-20-3	Diisopropyl Ether	ND	1.3	ug/m3	1	12/20/22	B2L2210	TO-15	CA	
64-17-5	Ethanol	ND	47	ug/m3	1	12/20/22	B2L2210	TO-15	CA	
100-41-4	Ethylbenzene	20	1.3	ug/m3	1	12/20/22	B2L2210	TO-15	CA	
637-92-3	Ethyltertiarybutylether	ND	1.3	ug/m3	1	12/20/22	B2L2210	TO-15	CA	
67-72-1	Hexachloroethane	ND	2.9	ug/m3	1	12/20/22	B2L2210	TO-15	CA	
110-54-3	Hexane	4.3	3.5	ug/m3	1	12/20/22	B2L2210	TO-15	CA	
67-63-0	Isopropyl Alcohol	ND	61	ug/m3	1	12/20/22	B2L2210	TO-15	CA	
98-82-8	Isopropylbenzene	ND	1.5	ug/m3	1	12/20/22	B2L2210	TO-15	CA	
1330-20-7	m & p - Xylene	34	1.3	ug/m3	1	12/20/22	B2L2210	TO-15	CA	
96-37-7	Methylcyclopentane	6.6	1.0	ug/m3	1	12/20/22	B2L2210	TO-15	CA	
75-09-2	Methylene chloride	ND	1.0	ug/m3	1	12/20/22	B2L2210	TO-15	CA	
1634-04-4	Methyltertiarybutylether	ND	1.8	ug/m3	1	12/20/22	B2L2210	TO-15	CA	
91-20-3	Naphthalene	ND	26	ug/m3	1	12/20/22	B2L2210	TO-15	CA	X1
104-51-8	n-Butylbenzene	ND	5.5	ug/m3	1	12/20/22	B2L2210	TO-15	CA	
142-82-5	n-Heptane	7.3	1.2	ug/m3	1	12/20/22	B2L2210	TO-15	CA	
103-65-1	n-Propylbenzene	3.2	1.5	ug/m3	1	12/20/22	B2L2210	TO-15	CA	
95-47-6	o-Xylene	11	1.3	ug/m3	1	12/20/22	B2L2210	TO-15	CA	
109-66-0	Pentane	ND	2.9	ug/m3	1	12/20/22	B2L2210	TO-15	CA	
135-98-8	sec-Butylbenzene	ND	1.6	ug/m3	1	12/20/22	B2L2210	TO-15	CA	
100-42-5	Styrene	ND	1.3	ug/m3	1	12/20/22	B2L2210	TO-15	CA	
98-06-6	tert-Butylbenzene	ND	5.5	ug/m3	1	12/20/22	B2L2210	TO-15	CA	
75-65-0	tertiary Butyl Alcohol	ND	76	ug/m3	1	12/20/22	B2L2210	TO-15	CA	
994-05-8	tertiaryAmylmethylether	ND	1.3	ug/m3	1	12/20/22	B2L2210	TO-15	CA	
127-18-4	Tetrachloroethylene	110	2.0	ug/m3	1	12/20/22	B2L2210	TO-15	CA	
109-99-9	Tetrahydrofuran	0.79	0.88	ug/m3	1	12/20/22	B2L2210	TO-15	CA	T
108-88-3	Toluene	36	1.1	ug/m3	1	12/20/22	B2L2210	TO-15	CA	
156-60-5	trans-1,2-Dichloroethylene	ND	1.2	ug/m3	1	12/20/22	B2L2210	TO-15	CA	
10061-02-6	trans-1,3-Dichloropropylene	ND	1.4	ug/m3	1	12/20/22	B2L2210	TO-15	CA	
79-01-6	Trichloroethylene	ND	1.6	ug/m3	1	12/20/22	B2L2210	TO-15	CA	
75-69-4	Trichlorofluoromethane	6.3	1.7	ug/m3	1	12/20/22	B2L2210	TO-15	CA	
75-01-4	Vinyl chloride	ND	0.76	ug/m3	1	12/20/22	B2L2210	TO-15	CA	
Surrogate: Bromofl			95.3 %	70-130)	12/20/22	B2L2210	TO-15	CA	



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Client ID: 22VP02-SS Lab ID: 2212138-02

			Lab ID: 22	12138-02						
CAS#	Analyte	Result	RL	Units	Dilution	Analyzed Date	QC Batch	Method	Analyst (Oualifier
Organics-Vola	· · · · · · · · · · · · · · · · · · ·						QU Dates		See no	`
71-55-6	1,1,1-Trichloroethane	ND	1.6	ug/m3	1	12/20/22	B2L2210	TO-15	CA	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.1	ug/m3	1	12/20/22	B2L2210	TO-15	CA	
79-00-5	1,1,2-Trichloroethane	ND	1.6	ug/m3	1	12/20/22	B2L2210	TO-15	CA	
76-13-1	1,1,2-Trichlorotrifluoroethane	ND	2.3	ug/m3	1	12/20/22	B2L2210	TO-15	CA	
75-34-3	1,1-Dichloroethane	ND	1.2	ug/m3	1	12/20/22	B2L2210	TO-15	CA	
75-35-4	1,1-Dichloroethylene	ND	1.2	ug/m3	1	12/20/22	B2L2210	TO-15	CA	
87-61-6	1,2,3-Trichlorobenzene	ND	7.4	ug/m3	1	12/20/22	B2L2210	TO-15	CA	
96-18-4	1,2,3-Trichloropropane	ND	1.8	ug/m3	1	12/20/22	B2L2210	TO-15	CA	
526-73-8	1,2,3-Trimethylbenzene	3.5	1.5	ug/m3	1	12/20/22	B2L2210	TO-15	CA	
120-82-1	1,2,4-Trichlorobenzene	ND	3.7	ug/m3	1	12/20/22	B2L2210	TO-15	CA	
95-63-6	1,2,4-Trimethylbenzene	15	1.5	ug/m3	1	12/20/22	B2L2210	TO-15	CA	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.9	ug/m3	1	12/20/22	B2L2210	TO-15	CA	
106-93-4	1,2-Dibromoethane	ND	2.3	ug/m3	1	12/20/22	B2L2210	TO-15	CA	
95-50-1	1,2-Dichlorobenzene	ND	1.8	ug/m3	1	12/20/22	B2L2210	TO-15	CA	
107-06-2	1,2-Dichloroethane	ND	1.2	ug/m3	1	12/20/22	B2L2210	TO-15	CA	
78-87-5	1,2-Dichloropropane	ND	1.4	ug/m3	1	12/20/22	B2L2210	TO-15	CA	
108-67-8	1,3,5-Trimethylbenzene	3.7	1.5	ug/m3	1	12/20/22	B2L2210	TO-15	CA	
106-99-0	1,3-Butadiene	ND	0.66	ug/m3	1	12/20/22	B2L2210	TO-15	CA	
541-73-1	1,3-Dichlorobenzene	ND	1.8	ug/m3	1	12/20/22	B2L2210	TO-15	CA	
106-46-7	1,4-Dichlorobenzene	ND	1.8	ug/m3	1	12/20/22	B2L2210	TO-15	CA	
540-84-1	2,2,4-Trimethylpentane	3.5	1.4	ug/m3	1	12/20/22	B2L2210	TO-15	CA	
78-93-3	2-Butanone (MEK)	ND	15	ug/m3	1	12/20/22	B2L2210	TO-15	CA	
91-57-6	2-Methylnaphthalene	ND	29	ug/m3	1	12/20/22	B2L2210	TO-15	CA	X1
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	4.1	ug/m3	1	12/20/22	B2L2210	TO-15	CA	
67-64-1	Acetone	ND	59	ug/m3	1	12/20/22	B2L2210	TO-15	CA	
75-05-8	Acetonitrile	ND	1.7	ug/m3	1	12/20/22	B2L2210	TO-15	CA	
107-13-1	Acrylonitrile	ND	1.1	ug/m3	1	12/20/22	B2L2210	TO-15	CA	
71-43-2	Benzene	1.1	0.96	ug/m3	1	12/20/22	B2L2210	TO-15	CA	
108-86-1	Bromobenzene	ND	1.9	ug/m3	1	12/20/22	B2L2210	TO-15	CA	
75-27-4	Bromodichloromethane	ND	2.0	ug/m3	1	12/20/22	B2L2210	TO-15	CA	
75-25-2	Bromoform	ND	3.1	ug/m3	1	12/20/22	B2L2210	TO-15	CA	
74-83-9	Bromomethane	ND	1.2	ug/m3	1	12/20/22	B2L2210	TO-15	CA	
75-15-0	Carbon disulfide	2.6	0.93	ug/m3	1	12/20/22	B2L2210	TO-15	CA	
56-23-5	Carbon tetrachloride	ND	1.9	ug/m3	1	12/20/22	B2L2210	TO-15	CA	
108-90-7	Chlorobenzene	ND	1.4	ug/m3	1	12/20/22	B2L2210	TO-15	CA	
75-00-3	Chloroethane	ND	0.79	ug/m3	1	12/20/22	B2L2210	TO-15	CA	
67-66-3	Chloroform	4.5	1.5	ug/m3	1	12/20/22	B2L2210	TO-15	CA	
74-87-3	Chloromethane	ND	0.62	ug/m3	1	12/20/22	B2L2210	TO-15	CA	
156-59-2	cis-1,2-Dichloroethylene	ND	1.2	ug/m3	1	12/20/22	B2L2210	TO-15	CA	
10061-01-5	cis-1,3-Dichloropropylene	ND	1.4	ug/m3	1	12/20/22	B2L2210	TO-15	CA	
110-82-7	Cyclohexane	ND	1.0	ug/m3	1	12/20/22	B2L2210	TO-15	CA	
124-48-1	Dibromochloromethane	ND	2.5	ug/m3	1	12/20/22	B2L2210	TO-15	CA	



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Client ID: 22VP02-SS Lab ID: 2212138-02

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CAS#	Analyte	Result	RL	Units	Dilution	Analyzed Date	QC Batch	Method	Analyst	Qualifier
Organics-Vola	tiles								See n	ote Y11
75-71-8	Dichlorodifluoromethane	2.2	1.5	ug/m3	1	12/20/22	B2L2210	TO-15	CA	
60-29-7	Diethyl ether	ND	3.0	ug/m3	1	12/20/22	B2L2210	TO-15	CA	
108-20-3	Diisopropyl Ether	ND	1.3	ug/m3	1	12/20/22	B2L2210	TO-15	CA	
64-17-5	Ethanol	ND	47	ug/m3	1	12/20/22	B2L2210	TO-15	CA	
100-41-4	Ethylbenzene	5.5	1.3	ug/m3	1	12/20/22	B2L2210	TO-15	CA	
637-92-3	Ethyltertiarybutylether	ND	1.3	ug/m3	1	12/20/22	B2L2210	TO-15	CA	
67-72-1	Hexachloroethane	ND	2.9	ug/m3	1	12/20/22	B2L2210	TO-15	CA	
110-54-3	Hexane	ND	3.5	ug/m3	1	12/20/22	B2L2210	TO-15	CA	
67-63-0	Isopropyl Alcohol	ND	61	ug/m3	1	12/20/22	B2L2210	TO-15	CA	
98-82-8	Isopropylbenzene	ND	1.5	ug/m3	1	12/20/22	B2L2210	TO-15	CA	
1330-20-7	m & p - Xylene	25	1.3	ug/m3	1	12/20/22	B2L2210	TO-15	CA	
96-37-7	Methylcyclopentane	1.0	1.0	ug/m3	1	12/20/22	B2L2210	TO-15	CA	
75-09-2	Methylene chloride	ND	1.0	ug/m3	1	12/20/22	B2L2210	TO-15	CA	
1634-04-4	Methyltertiarybutylether	ND	1.8	ug/m3	1	12/20/22	B2L2210	TO-15	CA	
91-20-3	Naphthalene	ND	26	ug/m3	1	12/20/22	B2L2210	TO-15	CA	X1
104-51-8	n-Butylbenzene	ND	5.5	ug/m3	1	12/20/22	B2L2210	TO-15	CA	
142-82-5	n-Heptane	1.4	1.2	ug/m3	1	12/20/22	B2L2210	TO-15	CA	
103-65-1	n-Propylbenzene	2.3	1.5	ug/m3	1	12/20/22	B2L2210	TO-15	CA	
95-47-6	o-Xylene	8.9	1.3	ug/m3	1	12/20/22	B2L2210	TO-15	CA	
109-66-0	Pentane	ND	2.9	ug/m3	1	12/20/22	B2L2210	TO-15	CA	
135-98-8	sec-Butylbenzene	ND	1.6	ug/m3	1	12/20/22	B2L2210	TO-15	CA	
100-42-5	Styrene	ND	1.3	ug/m3	1	12/20/22	B2L2210	TO-15	CA	
98-06-6	tert-Butylbenzene	ND	5.5	ug/m3	1	12/20/22	B2L2210	TO-15	CA	
75-65-0	tertiary Butyl Alcohol	ND	76	ug/m3	1	12/20/22	B2L2210	TO-15	CA	
994-05-8	tertiaryAmylmethylether	ND	1.3	ug/m3	1	12/20/22	B2L2210	TO-15	CA	
127-18-4	Tetrachloroethylene	65	2.0	ug/m3	1	12/20/22	B2L2210	TO-15	CA	
109-99-9	Tetrahydrofuran	ND	0.88	ug/m3	1	12/20/22	B2L2210	TO-15	CA	
108-88-3	Toluene	33	1.1	ug/m3	1	12/20/22	B2L2210	TO-15	CA	
156-60-5	trans-1,2-Dichloroethylene	ND	1.2	ug/m3	1	12/20/22	B2L2210	TO-15	CA	
10061-02-6	trans-1,3-Dichloropropylene	ND	1.4	ug/m3	1	12/20/22	B2L2210	TO-15	CA	
79-01-6	Trichloroethylene	ND	1.6	ug/m3	1	12/20/22	B2L2210	TO-15	CA	
75-69-4	Trichlorofluoromethane	ND	1.7	ug/m3	1	12/20/22	B2L2210	TO-15	CA	
75-01-4	Vinyl chloride	ND	0.76	ug/m3	1	12/20/22	B2L2210	TO-15	CA	
Surrogate: Bromof			96.8 %	70-13	0	12/20/22	B2L2210	TO-15	CA	
			/ 3							



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

Client ID: 22VP03-SS Lab ID: 2212138-03

			Lab ID: 22	12136-03						
CAS#	Analyte	Result	RL	Units	Dilution	Analyzed Date	QC Batch	Method	Analyst	Qualifie
Organics-Volat	tiles									
71-55-6	1,1,1-Trichloroethane	ND	1.6	ug/m3	1	12/21/22	B3A0401	TO-15	CA	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.1	ug/m3	1	12/21/22	B3A0401	TO-15	CA	
79-00-5	1,1,2-Trichloroethane	ND	1.6	ug/m3	1	12/21/22	B3A0401	TO-15	CA	
76-13-1	1,1,2-Trichlorotrifluoroethane	ND	2.3	ug/m3	1	12/21/22	B3A0401	TO-15	CA	
75-34-3	1,1-Dichloroethane	ND	1.2	ug/m3	1	12/21/22	B3A0401	TO-15	CA	
75-35-4	1,1-Dichloroethylene	ND	1.2	ug/m3	1	12/21/22	B3A0401	TO-15	CA	
87-61-6	1,2,3-Trichlorobenzene	ND	7.4	ug/m3	1	12/21/22	B3A0401	TO-15	CA	
96-18-4	1,2,3-Trichloropropane	ND	1.8	ug/m3	1	12/21/22	B3A0401	TO-15	CA	
526-73-8	1,2,3-Trimethylbenzene	2.8	1.5	ug/m3	1	12/21/22	B3A0401	TO-15	CA	
120-82-1	1,2,4-Trichlorobenzene	ND	3.7	ug/m3	1	12/21/22	B3A0401	TO-15	CA	
95-63-6	1,2,4-Trimethylbenzene	14	1.5	ug/m3	1	12/21/22	B3A0401	TO-15	CA	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.9	ug/m3	1	12/21/22	B3A0401	TO-15	CA	
106-93-4	1,2-Dibromoethane	ND	2.3	ug/m3	1	12/21/22	B3A0401	TO-15	CA	
95-50-1	1,2-Dichlorobenzene	ND	1.8	ug/m3	1	12/21/22	B3A0401	TO-15	CA	
107-06-2	1,2-Dichloroethane	ND	1.2	ug/m3	1	12/21/22	B3A0401	TO-15	CA	
78-87-5	1,2-Dichloropropane	ND	1.4	ug/m3	1	12/21/22	B3A0401	TO-15	CA	
108-67-8	1,3,5-Trimethylbenzene	3.3	1.5	ug/m3	1	12/21/22	B3A0401	TO-15	CA	
106-99-0	1,3-Butadiene	ND	0.66	ug/m3	1	12/21/22	B3A0401	TO-15	CA	
541-73-1	1,3-Dichlorobenzene	ND	1.8	ug/m3	1	12/21/22	B3A0401	TO-15	CA	
106-46-7	1,4-Dichlorobenzene	ND	1.8	ug/m3	1	12/21/22	B3A0401	TO-15	CA	
540-84-1	2,2,4-Trimethylpentane	ND	1.4	ug/m3	1	12/21/22	B3A0401	TO-15	CA	
78-93-3	2-Butanone (MEK)	ND	15	ug/m3	1	12/21/22	B3A0401	TO-15	CA	
91-57-6	2-Methylnaphthalene	ND	29	ug/m3	1	12/21/22	B3A0401	TO-15	CA	X1
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	4.1	ug/m3	1	12/21/22	B3A0401	TO-15	CA	
67-64-1	Acetone	ND	59	ug/m3	1	12/21/22	B3A0401	TO-15	CA	
75-05-8	Acetonitrile	ND	1.7	ug/m3	1	12/21/22	B3A0401	TO-15	CA	
107-13-1	Acrylonitrile	ND	1.1	ug/m3	1	12/21/22	B3A0401	TO-15	CA	
71-43-2	Benzene	2.7	0.96	ug/m3	1	12/21/22	B3A0401	TO-15	CA	
108-86-1	Bromobenzene	ND	1.9	ug/m3	1	12/21/22	B3A0401	TO-15	CA	
75-27-4	Bromodichloromethane	ND	2.0	ug/m3	1	12/21/22	B3A0401	TO-15	CA	
75-25-2	Bromoform	ND	3.1	ug/m3	1	12/21/22	B3A0401	TO-15	CA	
74-83-9	Bromomethane	ND	1.2	ug/m3	1	12/21/22	B3A0401	TO-15	CA	
75-15-0	Carbon disulfide	ND	0.93	ug/m3	1	12/21/22	B3A0401	TO-15	CA	
56-23-5	Carbon tetrachloride	ND	1.9	ug/m3	1	12/21/22	B3A0401	TO-15	CA	
108-90-7	Chlorobenzene	ND	1.4	ug/m3	1	12/21/22	B3A0401	TO-15	CA	
75-00-3	Chloroethane	ND	0.79	ug/m3	1	12/21/22	B3A0401	TO-15	CA	
67-66-3	Chloroform	ND	1.5	ug/m3	1	12/21/22	B3A0401	TO-15	CA	
74-87-3	Chloromethane	ND	0.62	ug/m3	1	12/21/22	B3A0401	TO-15	CA	
156-59-2	cis-1,2-Dichloroethylene	ND	1.2	ug/m3	1	12/21/22	B3A0401	TO-15	CA	
10061-01-5	cis-1,3-Dichloropropylene	ND	1.4	ug/m3	1	12/21/22	B3A0401	TO-15	CA	
110-82-7	Cyclohexane	ND	1.0	ug/m3	1	12/21/22	B3A0401	TO-15	CA	
124-48-1	Dibromochloromethane	ND	2.6	ug/m3	1	12/21/22	B3A0401	TO-15	CA	



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

Client ID: 22VP03-SS Lab ID: 2212138-03

CAS#	Analyte	Result	RL	Units	Dilution	Analyzed Date	QC Batch	Method	Analyst	Qualifier
	-	Result	KL	Omis	Dilution	Date	QC Batch	Wethod	Anaiyst	Quanner
Organics-Volat	iles									
75-71-8	Dichlorodifluoromethane	2.2	1.5	ug/m3	1	12/21/22	B3A0401	TO-15	CA	
60-29-7	Diethyl ether	ND	3.0	ug/m3	1	12/21/22	B3A0401	TO-15	CA	
108-20-3	Diisopropyl Ether	ND	1.3	ug/m3	1	12/21/22	B3A0401	TO-15	CA	
64-17-5	Ethanol	ND	47	ug/m3	1	12/21/22	B3A0401	TO-15	CA	
100-41-4	Ethylbenzene	5.7	1.3	ug/m3	1	12/21/22	B3A0401	TO-15	CA	
637-92-3	Ethyltertiarybutylether	ND	1.3	ug/m3	1	12/21/22	B3A0401	TO-15	CA	
67-72-1	Hexachloroethane	ND	2.9	ug/m3	1	12/21/22	B3A0401	TO-15	CA	
110-54-3	Hexane	ND	3.5	ug/m3	1	12/21/22	B3A0401	TO-15	CA	
67-63-0	Isopropyl Alcohol	ND	61	ug/m3	1	12/21/22	B3A0401	TO-15	CA	
98-82-8	Isopropylbenzene	ND	1.5	ug/m3	1	12/21/22	B3A0401	TO-15	CA	
1330-20-7	m & p - Xylene	22	1.3	ug/m3	1	12/21/22	B3A0401	TO-15	CA	
96-37-7	Methylcyclopentane	ND	1.0	ug/m3	1	12/21/22	B3A0401	TO-15	CA	
75-09-2	Methylene chloride	ND	1.0	ug/m3	1	12/21/22	B3A0401	TO-15	CA	
1634-04-4	Methyltertiarybutylether	ND	1.8	ug/m3	1	12/21/22	B3A0401	TO-15	CA	
91-20-3	Naphthalene	ND	26	ug/m3	1	12/21/22	B3A0401	TO-15	CA	X1
104-51-8	n-Butylbenzene	ND	5.5	ug/m3	1	12/21/22	B3A0401	TO-15	CA	
142-82-5	n-Heptane	ND	1.2	ug/m3	1	12/21/22	B3A0401	TO-15	CA	
103-65-1	n-Propylbenzene	2.0	1.5	ug/m3	1	12/21/22	B3A0401	TO-15	CA	
95-47-6	o-Xylene	8.4	1.3	ug/m3	1	12/21/22	B3A0401	TO-15	CA	
109-66-0	Pentane	ND	3.0	ug/m3	1	12/21/22	B3A0401	TO-15	CA	
135-98-8	sec-Butylbenzene	ND	1.6	ug/m3	1	12/21/22	B3A0401	TO-15	CA	
100-42-5	Styrene	ND	1.3	ug/m3	1	12/21/22	B3A0401	TO-15	CA	
98-06-6	tert-Butylbenzene	ND	5.5	ug/m3	1	12/21/22	B3A0401	TO-15	CA	
75-65-0	tertiary Butyl Alcohol	ND	76	ug/m3	1	12/21/22	B3A0401	TO-15	CA	
994-05-8	tertiaryAmylmethylether	ND	1.3	ug/m3	1	12/21/22	B3A0401	TO-15	CA	
127-18-4	Tetrachloroethylene	80	2.0	ug/m3	1	12/21/22	B3A0401	TO-15	CA	
109-99-9	Tetrahydrofuran	ND	0.89	ug/m3	1	12/21/22	B3A0401	TO-15	CA	
108-88-3	Toluene	37	1.1	ug/m3	1	12/21/22	B3A0401	TO-15	CA	
156-60-5	trans-1,2-Dichloroethylene	ND	1.2	ug/m3	1	12/21/22	B3A0401	TO-15	CA	
10061-02-6	trans-1,3-Dichloropropylene	ND	1.4	ug/m3	1	12/21/22	B3A0401	TO-15	CA	
79-01-6	Trichloroethylene	ND	1.6	ug/m3	1	12/21/22	B3A0401	TO-15	CA	
75-69-4	Trichlorofluoromethane	ND	1.7	ug/m3	1	12/21/22	B3A0401	TO-15	CA	
75-01-4	Vinyl chloride	ND	0.77	ug/m3	1	12/21/22	B3A0401	TO-15	CA	
Surrogate: Bromoflu	<u> </u>		98.0 %	70-13	30	12/21/22	B3A0401	TO-15	CA	



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

Client ID: 22VP04-SS Lab ID: 2212138-04

			Lab ID: 22	12138-04						
CAS#	Analyte	Result	RL	Units	Dilution	Analyzed Date	QC Batch	Method	Analyst	Qualifier
Organics-Vola	tiles								See n	ote Y11
71-55-6	1,1,1-Trichloroethane	ND	1.6	ug/m3	1	12/20/22	B2L2210	TO-15	CA	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.1	ug/m3	1	12/20/22	B2L2210	TO-15	CA	
79-00-5	1,1,2-Trichloroethane	ND	1.6	ug/m3	1	12/20/22	B2L2210	TO-15	CA	
76-13-1	1,1,2-Trichlorotrifluoroethane	ND	2.3	ug/m3	1	12/20/22	B2L2210	TO-15	CA	
75-34-3	1,1-Dichloroethane	ND	1.2	ug/m3	1	12/20/22	B2L2210	TO-15	CA	
75-35-4	1,1-Dichloroethylene	ND	1.2	ug/m3	1	12/20/22	B2L2210	TO-15	CA	
87-61-6	1,2,3-Trichlorobenzene	ND	7.4	ug/m3	1	12/20/22	B2L2210	TO-15	CA	
96-18-4	1,2,3-Trichloropropane	ND	1.8	ug/m3	1	12/20/22	B2L2210	TO-15	CA	
526-73-8	1,2,3-Trimethylbenzene	3.3	1.5	ug/m3	1	12/20/22	B2L2210	TO-15	CA	
120-82-1	1,2,4-Trichlorobenzene	ND	3.7	ug/m3	1	12/20/22	B2L2210	TO-15	CA	
95-63-6	1,2,4-Trimethylbenzene	14	1.5	ug/m3	1	12/20/22	B2L2210	TO-15	CA	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.9	ug/m3	1	12/20/22	B2L2210	TO-15	CA	
106-93-4	1,2-Dibromoethane	ND	2.3	ug/m3	1	12/20/22	B2L2210	TO-15	CA	
95-50-1	1,2-Dichlorobenzene	ND	1.8	ug/m3	1	12/20/22	B2L2210	TO-15	CA	
107-06-2	1,2-Dichloroethane	ND	1.2	ug/m3	1	12/20/22	B2L2210	TO-15	CA	
78-87-5	1,2-Dichloropropane	ND	1.4	ug/m3	1	12/20/22	B2L2210	TO-15	CA	
108-67-8	1,3,5-Trimethylbenzene	3.3	1.5	ug/m3	1	12/20/22	B2L2210	TO-15	CA	
106-99-0	1,3-Butadiene	ND	0.66	ug/m3	1	12/20/22	B2L2210	TO-15	CA	
541-73-1	1,3-Dichlorobenzene	ND	1.8	ug/m3	1	12/20/22	B2L2210	TO-15	CA	
106-46-7	1,4-Dichlorobenzene	ND	1.8	ug/m3	1	12/20/22	B2L2210	TO-15	CA	
540-84-1	2,2,4-Trimethylpentane	2.6	1.4	ug/m3	1	12/20/22	B2L2210	TO-15	CA	
78-93-3	2-Butanone (MEK)	ND	15	ug/m3	1	12/20/22	B2L2210	TO-15	CA	
91-57-6	2-Methylnaphthalene	ND	29	ug/m3	1	12/20/22	B2L2210	TO-15	CA	X1
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	4.1	ug/m3	1	12/20/22	B2L2210	TO-15	CA	All
67-64-1	Acetone (MIBK)	ND	59	ug/m3	1	12/20/22	B2L2210	TO-15	CA	
75-05-8	Acetonitrile	ND	1.7	ug/m3	1	12/20/22	B2L2210	TO-15	CA	
107-13-1	Acrylonitrile	ND	1.1	ug/m3	1	12/20/22	B2L2210	TO-15	CA	
71-43-2	Benzene	ND	0.96	ug/m3	1	12/20/22	B2L2210	TO-15	CA	
108-86-1	Bromobenzene	ND	1.9	ug/m3	1	12/20/22	B2L2210	TO-15	CA	
75-27-4	Bromodichloromethane	ND	2.0	ug/m3	1		B2L2210	TO-15	CA	
75-25-2	Bromoform	ND	3.1	ug/m3	1	12/20/22	B2L2210	TO-15	CA	
74-83-9	Bromomethane	ND	1.2	ug/m3	1	12/20/22	B2L2210	TO-15	CA	
75-15-0	Carbon disulfide	ND	0.93	ug/m3	1	12/20/22	B2L2210	TO-15	CA	
56-23-5	Carbon tetrachloride	ND	1.9	ug/m3	1	12/20/22	B2L2210	TO-15	CA	
108-90-7	Chlorobenzene	ND	1.4	ug/m3	1	12/20/22	B2L2210	TO-15	CA	
75-00-3	Chloroethane	ND	0.79	ug/m3	1	12/20/22	B2L2210	TO-15	CA	
67-66-3	Chloroform	ND	1.5	ug/m3	1	12/20/22	B2L2210	TO-15	CA	
74-87-3	Chloromethane	ND	0.62	ug/m3	1	12/20/22	B2L2210	TO-15	CA	
156-59-2	cis-1,2-Dichloroethylene	ND	1.2	ug/m3	1	12/20/22	B2L2210	TO-15	CA	
10061-01-5	cis-1,3-Dichloropropylene	ND ND	1.4	ug/m3	1	12/20/22	B2L2210	TO-15	CA	
110-82-7	Cyclohexane	ND	1.0	ug/m3	1	12/20/22	B2L2210	TO-15	CA	
124-48-1	Dibromochloromethane	ND ND	2.5	ug/m3	1		B2L2210	TO-15	CA	
127-70-1	Dioromochioromenane	ND	2.5	ug/III3	1	12/20/22	D2L2210	10-13	CA	



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

Client ID: 22VP04-SS Lab ID: 2212138-04

CAS#	Analyte	Result	RL	Units	Dilution	Analyzed Date	QC Batch	Method	Analyst	Qualifier
Organics-Volat	tiles								See no	te Y11
75-71-8	Dichlorodifluoromethane	2.0	1.5	ug/m3	1	12/20/22	B2L2210	TO-15	CA	
60-29-7	Diethyl ether	ND	3.0	ug/m3	1	12/20/22	B2L2210	TO-15	CA	
108-20-3	Diisopropyl Ether	ND	1.3	ug/m3	1	12/20/22	B2L2210	TO-15	CA	
64-17-5	Ethanol	ND	47	ug/m3	1	12/20/22	B2L2210	TO-15	CA	
100-41-4	Ethylbenzene	5.6	1.3	ug/m3	1	12/20/22	B2L2210	TO-15	CA	
637-92-3	Ethyltertiarybutylether	ND	1.3	ug/m3	1	12/20/22	B2L2210	TO-15	CA	
67-72-1	Hexachloroethane	ND	2.9	ug/m3	1	12/20/22	B2L2210	TO-15	CA	
110-54-3	Hexane	ND	3.5	ug/m3	1	12/20/22	B2L2210	TO-15	CA	
67-63-0	Isopropyl Alcohol	ND	61	ug/m3	1	12/20/22	B2L2210	TO-15	CA	
98-82-8	Isopropylbenzene	ND	1.5	ug/m3	1	12/20/22	B2L2210	TO-15	CA	
1330-20-7	m & p - Xylene	24	1.3	ug/m3	1	12/20/22	B2L2210	TO-15	CA	
96-37-7	Methylcyclopentane	ND	1.0	ug/m3	1	12/20/22	B2L2210	TO-15	CA	
75-09-2	Methylene chloride	ND	1.0	ug/m3	1	12/20/22	B2L2210	TO-15	CA	
1634-04-4	Methyltertiarybutylether	ND	1.8	ug/m3	1	12/20/22	B2L2210	TO-15	CA	
91-20-3	Naphthalene	ND	26	ug/m3	1	12/20/22	B2L2210	TO-15	CA	X1
104-51-8	n-Butylbenzene	ND	5.5	ug/m3	1	12/20/22	B2L2210	TO-15	CA	
142-82-5	n-Heptane	1.3	1.2	ug/m3	1	12/20/22	B2L2210	TO-15	CA	
103-65-1	n-Propylbenzene	2.2	1.5	ug/m3	1	12/20/22	B2L2210	TO-15	CA	
95-47-6	o-Xylene	8.1	1.3	ug/m3	1	12/20/22	B2L2210	TO-15	CA	
109-66-0	Pentane	ND	2.9	ug/m3	1	12/20/22	B2L2210	TO-15	CA	
135-98-8	sec-Butylbenzene	ND	1.6	ug/m3	1	12/20/22	B2L2210	TO-15	CA	
100-42-5	Styrene	ND	1.3	ug/m3	1	12/20/22	B2L2210	TO-15	CA	
98-06-6	tert-Butylbenzene	ND	5.5	ug/m3	1	12/20/22	B2L2210	TO-15	CA	
75-65-0	tertiary Butyl Alcohol	ND	76	ug/m3	1	12/20/22	B2L2210	TO-15	CA	
994-05-8	tertiaryAmylmethylether	ND	1.3	ug/m3	1	12/20/22	B2L2210	TO-15	CA	
127-18-4	Tetrachloroethylene	68	2.0	ug/m3	1	12/20/22	B2L2210	TO-15	CA	
109-99-9	Tetrahydrofuran	ND	0.88	ug/m3	1	12/20/22	B2L2210	TO-15	CA	
108-88-3	Toluene	30	1.1	ug/m3	1	12/20/22	B2L2210	TO-15	CA	
156-60-5	trans-1,2-Dichloroethylene	ND	1.2	ug/m3	1	12/20/22	B2L2210	TO-15	CA	
10061-02-6	trans-1,3-Dichloropropylene	ND	1.4	ug/m3	1	12/20/22	B2L2210	TO-15	CA	
79-01-6	Trichloroethylene	ND	1.6	ug/m3	1	12/20/22	B2L2210	TO-15	CA	
75-69-4	Trichlorofluoromethane	ND	1.7	ug/m3	1	12/20/22	B2L2210	TO-15	CA	
75-01-4	Vinyl chloride	ND	0.76	ug/m3	1	12/20/22	B2L2210	TO-15	CA	
Surrogate: Bromofl	uorobenzene		95.8 %	70-1	30	12/20/22	B2L2210	TO-15	CA	



Department of Environment, Great Lakes, and Energy Laboratory Services Section

Analysis Request Sheet

Lab Work Order Number P	roject Name	Allai	ysis Rec	inesi .	511ee	'L		⁄latríx	
2212138		Calur	net Dry	Clean	ers			Al	R
Location ID	Program	CC Email 1				Project TAT Days	Sample C		
Dept-Division-District	Actitivy	zedamontK@michis	gan.gov			Project Due Date		Black	
Egle RRD Marquette	V100	pincumbej@michig	an.gov				1	243-3174	
State Project Manager	Funding Source	CC Email 3					Contract	Firm	
Amy Keranen State Project Manager Email	Location Code	Overflow Lab Choice	1			Accept Analysis hold time codes	Contract	Firm Primary Contact	
Keranena@michigan.gov	6H66	STERTION CAD ESTOREC				I I I I I I I I I I I I I I I I I I I	Contract	marrianes y contact	
State Project Manager Phone 9063370389	SUD Location Code	Overflow Lab Choice	2	····			Primary C	ontact Phone	
		12 North Construction (1 and 12 No. 14 No. 1			[Segmentaria]		Ng ng na na na na	1	Turnary, grant several sector
Lab Use Only Field Sample Identific	ation		Collection Date	Collection Time	Bottle Count	Comments		Regulator ID	Canister/Bottle Vac Number
1 22VP01-SS			12/13/2022	14:13	1		. 1	245	1087
2 22VP02-SS			12/13/2022	14:38	1			240	1654
3 5 22VP03-SS			12/13/2022	14:57	1			223	1900
4 22VP04-SS			12/13/2022	15:20	1			257	1443
5									
6									
7									
8									
9									
0 ORGANIC CHEMISTRY									
WOA - Volatile Organic Analysis Bottlevac 1 2 3 4 5 6 Canister - AQD 1 2 3 4 5 6 Tedlar - Volatiles 1 2 3 4 5 6 METH - Methane, Ethane, Ethene Methane, Ethane, Ethene 1 2 3 4 5 6	7 8 9 10 7 8 9 10 7 8 9 10								
Relinquished by			Received By	<u> </u>		0	3 - 7	Date /	Time
Print Name & Org. Signature: Print Name & Org. Print Name Print Name Print Name Print Name Print Name	3 19.0k EQ	LE		eli L	212 CD	50.170		12/14/2	12 150
Print Name							- 		

EGLE Laboratory Services Section Phone: 517-335-9800