

# Analytical Report

Sample Report

Client: Prism Analytical Technologies  
2625 Denison Drive  
Mt. Pleasant, MI 48858

COC: 6010  
Laboratory ID: 6010-3

Sampled By: Alex Carter  
Project: J Cantrell 2258  
Location: 485 W. Maple Ave.  
Boston, MA 25478

Received Date: 04/16/2021  
Approved Date: 04/16/2021  
Scanned Date: 04/18/2021  
Report Date: 04/20/2021

Client Sample ID: Bedroom  
Amount: 12 L  
Date Sampled: 04/15/2021  
Sample Type: TDT 181J  
Sample Condition: Chipped

## A2-TO-17 TDT Analysis

Method US EPA TO-17; certified by NYSDOH ELAP, Lab ID 12082 (applicable analytes indicated by "\*\*").

Quantitative Results	Compound	CAS	Sample Concentration		Reporting Limit	Additional Information
			µg/m3	ppb	µg/m3	
	4-Ethyltoluene	622-96-8	< 0.4	< 0.08	0.4	
	1,3-Butadiene*	106-99-0	<b>1.0</b>	<b>0.4</b>	0.4	
	Ethanol	64-17-5	<b>270</b>	<b>140</b>	4.2	
	Acetone*	67-64-1	<b>350</b>	<b>150</b>	2.1	
	3-Chloropropene	107-05-1	< 0.4	< 0.1	0.4	
	Diethyl ether	60-29-7	<b>3.3</b>	<b>1.1</b>	0.4	
	1,1,2-Trichloro-1,2,2-trifluoroethane*	76-13-1	< 0.4	< 0.05	0.4	
	1,1-Dichloroethene*	75-35-4	< 0.4	< 0.1	0.4	
	Isopropanol*	67-63-0	<b>17</b>	<b>6.8</b>	2.1	
	Carbon Disulfide*	75-15-0	<b>0.5</b>	<b>0.2</b>	0.4	
	Acetonitrile*	75-05-8	< 0.8	< 0.5	0.8	
	Methylene Chloride*	75-09-2	<b>1.8</b>	<b>0.5</b>	0.4	
	trans 1,2-Dichloroethene*	156-60-5	<b>1.9</b>	<b>0.5</b>	0.4	
	Chloroprene	126-99-8	< 0.4	< 0.1	0.4	
	Acrylonitrile*	107-13-1	<b>0.8</b>	<b>0.3</b>	0.4	
	Methyl Tertiary Butyl Ether*	1634-04-4	<b>5.4</b>	<b>1.5</b>	0.4	MTBE
	Hexane (C 6)*	110-54-3	<b>6.5</b>	<b>1.8</b>	0.4	
	Isooctane	540-84-1	<b>3.1</b>	<b>0.7</b>	0.4	2,2,4-Trimethylpentane

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			µg/m3	ppb	µg/m3	
	1,1-Dichloroethane*	75-34-3	<b>0.7</b>	<b>0.2</b>	0.4	
	2,2-Dichloropropane*	594-20-7	< 0.4	< 0.09	0.4	
	Ethylacetate	141-78-6	<b>9.1</b>	<b>2.5</b>	0.4	
	cis 1,2-Dichloroethene*	156-59-2	< 0.4	< 0.1	0.4	
	Propionitrile	107-12-0	< 0.4	< 0.2	0.4	
	Tetrahydrofuran	109-99-9	<b>7.4</b>	<b>2.5</b>	0.4	
	Methylacrylate	96-33-3	< 0.4	< 0.1	0.4	
	Chloroform*	67-66-3	<b>1.6</b>	<b>0.3</b>	0.4	
	Bromochloromethane*	74-97-5	< 0.4	< 0.08	0.4	
	Methacrylonitrile	126-98-7	< 0.4	< 0.1	0.4	
	Cyclohexane*	110-82-7	< 0.4	< 0.1	0.4	
	1,1,1-Trichloroethane*	71-55-6	<b>2.8</b>	<b>0.5</b>	0.4	
	Carbon Tetrachloride*	56-23-5	<b>2.4</b>	<b>0.4</b>	0.4	
	1,1-Dichloropropene*	563-58-6	< 0.4	< 0.09	0.4	
	Benzene*	71-43-2	<b>0.7</b>	<b>0.2</b>	0.4	
	1,2-Dichloroethane*	107-06-2	<b>0.4</b>	<b>0.1</b>	0.4	
	Trichloroethene*	79-01-6	<b>19</b>	<b>3.4</b>	0.4	
	1,2-Dichloropropane*	78-87-5	<b>1.0</b>	<b>0.2</b>	0.4	
	Methyl methacrylate*	80-62-6	<b>1.5</b>	<b>0.4</b>	0.4	
	1,4-Dioxane*	123-91-1	< 0.8	< 0.2	0.8	
	Dibromomethane	74-95-3	< 0.4	< 0.06	0.4	
	2-Chloroethanol	107-07-3	< 0.4	< 0.1	0.4	
	Bromodichloromethane*	75-27-4	< 0.4	< 0.06	0.4	
	cis 1,3-Dichloropropene*	10061-01-5	< 0.4	< 0.09	0.4	
	4-Methyl-2-pentanone*	108-10-1	<b>5.5</b>	<b>1.3</b>	0.4	Methyl isobutyl ketone (MIBK)
	Toluene*	108-88-3	<b>27</b>	<b>7.0</b>	0.4	
	Ethylmethacrylate	97-63-2	< 0.4	< 0.09	0.4	
	trans 1,3-Dichloropropene*	10061-02-6	<b>46</b>	<b>10</b>	0.4	
	Tetrachloroethene*	127-18-4	<b>31</b>	<b>4.5</b>	0.4	

Quantitative Results	Compound	CAS	Sample Concentration		Reporting Limit	Additional Information
			µg/m3	ppb	µg/m3	
	1,1,2-Trichloroethane*	79-00-5	<b>0.7</b>	<b>0.1</b>	0.4	
	1,3-Dichloropropane*	142-28-9	< 0.4	< 0.09	0.4	
	Chlorodibromomethane*	124-48-1	< 0.4	< 0.05	0.4	
	1,2-Dibromoethane*	106-93-4	< 0.4	< 0.05	0.4	
	Chlorobenzene*	108-90-7	<b>3.8</b>	<b>0.8</b>	0.4	
	Ethylbenzene*	100-41-4	<b>2.0</b>	<b>0.5</b>	0.4	
	1,1,1,2-Tetrachloroethane*	630-20-6	<b>4.6</b>	<b>0.7</b>	0.4	
	m,p-Xylene*	108-38-3; 106-42-3	<b>5.8</b>	<b>1.3</b>	0.8	
	o-Xylene*	95-47-6	<b>2.8</b>	<b>0.6</b>	0.4	
	Styrene*	100-42-5	<b>3.8</b>	<b>0.9</b>	0.4	
	Bromoform*	75-25-2	< 0.4	< 0.04	0.4	
	Isopropylbenzene*	98-82-8	<b>8.2</b>	<b>1.6</b>	0.4	
	cis 1,4-Dichloro-2-butene	1476-11-5	< 0.4	< 0.08	0.4	
	1,1,2,2-Tetrachloroethane*	79-34-5	<b>0.6</b>	<b>0.08</b>	0.4	
	trans 1,4-Dichloro-2-butene	110-57-6	< 0.4	< 0.08	0.4	
	n-Propylbenzene*	103-65-1	<b>13</b>	<b>2.7</b>	0.4	
	1,2,3-Trichloropropane*	96-18-4	<b>0.5</b>	<b>0.08</b>	0.4	
	Bromobenzene*	108-86-1	<b>0.5</b>	<b>0.08</b>	0.4	
	1,3,5-Trimethylbenzene*	108-67-8	<b>13</b>	<b>2.6</b>	0.4	
	4-Chlorotoluene*	106-43-4	< 0.4	< 0.08	0.4	
	2-Chlorotoluene*	95-49-8	<b>1.5</b>	<b>0.3</b>	0.4	
	1,2,4-Trimethylbenzene*	95-63-6	<b>19</b>	<b>3.8</b>	0.4	
	tert-Butylbenzene*	98-06-6	<b>0.8</b>	<b>0.1</b>	0.4	
	Pentachloroethane	76-01-7	< 0.4	< 0.05	0.4	
	sec-Butylbenzene*	135-98-8	<b>7.2</b>	<b>1.3</b>	0.4	
	p-Isopropyltoluene*	99-87-6	<b>2.3</b>	<b>0.4</b>	0.4	
	1,3-Dichlorobenzene*	541-73-1	< 0.4	< 0.07	0.4	
	1,4-Dichlorobenzene*	106-46-7	<b>2.8</b>	<b>0.5</b>	0.4	
	n-Butylbenzene*	104-51-8	<b>1.7</b>	<b>0.3</b>	0.4	

Quantitative Results		Sample Concentration		Reporting Limit	Additional Information
Compound	CAS	µg/m3	ppb	µg/m3	
1,2-Dichlorobenzene*	95-50-1	<b>0.5</b>	<b>0.08</b>	0.4	
1,2-Dibromo-3-chloropropane*	96-12-8	< 0.8	< 0.09	0.8	
Nitrobenzene*	98-95-3	< 1.7	< 0.3	1.7	
1,2,4-Trichlorobenzene*	120-82-1	< 0.4	< 0.06	0.4	
Hexachlorobutadiene*	87-68-3	< 0.4	< 0.04	0.4	
Naphthalene*	91-20-3	<b>2.1</b>	<b>0.4</b>	0.8	
1,2,3-Trichlorobenzene*	87-61-6	< 0.4	< 0.06	0.4	
2-Methylnaphthalene	91-57-6	<b>1.3</b>	<b>0.2</b>	0.8	

**Compound Notes**

J\* The accuracy of this determination may be degraded because the reported value exceeded the calibrated range by more than a factor of 10.

These results pertain only to this sample as it was collected and to the items reported.  
These results have been reviewed and approved by the Laboratory Director or authorized representative.



Alice E. Delia, Ph.D., Laboratory Director

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