



# Analytical 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: 04/02/2018  
 Approved Date: 04/02/2018  
 Scanned Date: 04/18/2018  
 Report Date: 04/05/2018

Client Sample ID: Bedroom  
 Amount: 12 L  
 Date Sampled: 12/20/2017  
 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</b>	<b>0.4</b>	0.8	
	Ethanol	64-17-5	<b>22</b>	<b>12</b>	0.8	
	3-Chloropropene	107-05-1	< 0.4	< 0.1	0.4	
	Diethyl ether	60-29-7	<b>3.2</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>	0.8	
	Carbon Disulfide*	75-15-0	<b>0.4</b>	<b>0.1</b>	0.08	
	Acetonitrile*	75-05-8	<b>0.6</b>	<b>0.3</b>	0.4	
	Methylene Chloride*	75-09-2	<b>1.8</b>	<b>0.5</b>	0.4	
	trans 1,2-Dichloroethene*	156-60-5	<b>0.5</b>	<b>0.1</b>	0.4	
	Chloroprene	126-99-8	< 0.4	< 0.1	0.4	
	Acrylonitrile*	107-13-1	<b>0.7</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>0.6</b>	0.4	2,2,4-Trimethylpentane
	1,1-Dichloroethane*	75-34-3	<b>0.7</b>	<b>0.2</b>	0.4	

Quantitative Results	Compound	CAS	Sample Concentration		Reporting Limit	Additional Information
			µg/m3	ppb	µg/m3	
	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>3.6</b>	<b>1.2</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>2.7</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	
	2-Methyl-1-propanol	78-83-1	<b>6.9</b>	<b>2.2</b>	0.8	Isobutyl alcohol
	Benzene*	71-43-2	<b>0.5</b>	<b>0.1</b>	0.4	
	1,2-Dichloroethane*	107-06-2	<b>0.4</b>	<b>0.1</b>	0.4	
	Trichloroethene*	79-01-6	<b>0.4</b>	<b>0.08</b>	0.4	
	1,2-Dichloropropane*	78-87-5	<b>1</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	<b>0.5</b>	<b>0.1</b>	0.4	
	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>12</b>	<b>3.1</b>	0.4	
	Ethylmethacrylate	97-63-2	< 0.4	< 0.09	0.4	
	trans 1,3-Dichloropropene*	10061-02-6	< 0.4	< 0.09	0.4	
	Tetrachloroethene*	127-18-4	<b>3.4</b>	<b>0.5</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>0.4</b>	<b>0.09</b>	0.4	
	Ethylbenzene*	100-41-4	<b>1.9</b>	<b>0.4</b>	0.4	
	1,1,1,2-Tetrachloroethane*	630-20-6	<b>0.5</b>	<b>0.07</b>	0.4	
	m,p-Xylene*	108-38-3; 106-42-3	<b>5.7</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>3.7</b>	<b>0.9</b>	0.4	
	Bromoform*	75-25-2	< 0.4	< 0.04	0.4	
	Isopropylbenzene*	98-82-8	<b>2.0</b>	<b>0.4</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>1.3</b>	<b>0.3</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>2.1</b>	<b>0.4</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>5.2</b>	<b>1.0</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>1.3</b>	<b>0.2</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>2.6</b>	<b>0.4</b>	0.4	
	n-Butylbenzene*	104-51-8	<b>1.7</b>	<b>0.3</b>	0.4	

Quantitative Results	Compound	CAS	Sample Concentration		Reporting Limit	Additional Information
			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	< 0.4	< 0.04	0.4	
	Nitrobenzene	98-95-3	< 0.4	< 0.08	0.4	
	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>0.9</b>	<b>0.2</b>	0.4	
	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>	0.4	

**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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