

From: George Beyer <george@christchurchmke.org>
Sent: Thursday, April 27, 2023 2:35 PM
To: Hedman, Curtis J - DHS; Michalets, Linda M - DNR
Subject: TCE Report for April 2023, 1422 N. Vel R. Phillips Ave.
Attachments: CCM Air Sampling March 2022 - April 2023 wAverage.pdf; 2023040602 Assay Tech-CCM 04-25-23.pdf

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Hello Linda and Curtis,

Attached is the latest Assay Technology Lab Report and summary of the TCE testing periods March 2022 through April 2023.

This month's sampling of indoor TCE concentration showed the lowest levels recorded with our testing to date. Outdoor levels measured in the alley and at the rooftop are also the lowest they have. Could be due to weather conditions during this period.

The average TCE concentration in occupied areas was 3.2 ug/m³, down from 4.8 ug/m³ in February. This level remains well below the 8.8 ug/m³ Wisconsin DNR Indoor Air Vapor Action Level (VAL) for small commercial buildings.

We have discontinued use of carbon filters in our rooftop HVAC units, as TCE levels have been very low at the air intakes up there and their effectiveness was questionable due to high air velocity through the filters.

We will continue to test monthly to keep tabs on changes.

George
(262) 271-6040

Trichlorethylene (TCE) Air Vapor Levels
1422 N. Vel R. Phillips Avenue

Sampling Dates	3/3 - 3/15	3/18 - 4/1	3/18 - 4/1	4/19 - 4/30	6/6 - 6/16	7/9 - 7/19	7/27	7/20 - 7/27	7/20 - 8/3	8/26 - 9/5	9/27 - 10/7	11/1 - 11/11	12/5 - 12/15	1/03 - 1/13	1/29/2023	2/14 - 2/24	4/5 - 4/15
Sampling Duration	10 Days	14 Days	14 Days	10 Days	10 Days	10 Days	8 Hours	7 Days	14 Days	10 Days	10 Days	10 Days	10 Days	10 Days	4 Hours	10 Days	10 Days
Testing Laboratory	AT	WOH	Beacon	AT	AT	AT	WOH	WOH	WOH	AT	AT	AT	AT	AT	WOH	AT	AT
Outside - Alley	---	67.0	57.5	89.2	104.0	91.4	302.0	380.0	210.0	124.0	68.8	46.5	57.9	157.0	8.8	37.8	28.0
Outside - (Back or SE Corner of Bldg)	---	2.0	2.0	---	---	---	---	---	6.2	---	---	---	---	---	---	---	---
Basement - Center Corridor (Further Back)	17.5	17.0	---	---	---	---	4.4	12.0	11.0	---	---	---	---	---	3.7	---	---
Basement - Print Cage (Slot Vents)	---	27.0	39.9	42.6	15.4	16.6	9.0	12.0	16.0	16.9	12.6	10.9	39.1	32.4	---	14.0	7.5
1st Flr - NW Office (Near Entrance)	6.1	15.0	20.5	23.9	8.0	9.0	4.3	7.0	6.3	5.0	5.5	4.3	26.5	12.5	3.2	4.6	3.0
1st Flr - Gallery (Near Keyboard)	9.1	16.0	22.5	20.5	7.5	8.0	2.1	7.2	6.7	5.7	5.8	4.6	20.1	14.1	3.6	5.8	3.2
1st Flr - Rear Cage	10.6	---	---	17.1	9.0	8.8	---	---	---	6.8	5.4	4.7	19.6	14.1	---	6.0	4.3
1st Flr - West Stair Exit Door	---	---	---	190.0	31.6	32.1	---	---	---	20.9	12.6	20.7	93.9	51.3	---	19.9	9.0
2nd Flr - Mother's Room (Near Stairs)	6.3	15.0	19.2	20.3	7.2	8.0	5.0	6.1	4.8	6.2	5.1	3.8	17.0	12.2	2.3	4.9	2.7
2nd Flr - Nursery	7.2	---	---	15.6	6.7	7.8	---	---	---	6.7	5.3	4.7	13.1	9.7	---	4.1	3.0
2nd Flr - East Conf Room (Further Back)	7.7	15.0	18.5	16.6	6.0	6.6	4.5	6.1	4.6	8.0	4.8	4.0	11.5	7.9	2.2	3.6	3.3
Rooftop - 1st Flr Rooftop HVAC	---	8.25	---	2.9	3.1	6.5	---	---	---	<2.0	10.7	<2.0	8.1	7.7	---	<2.0	<2.0
Average TCE in Occupied Area	7.8	15.3	20.2	19.0	7.4	8.0	4.0	6.6	5.6	6.4	5.3	4.3	18.0	11.7	2.8	4.8	3.2

Notes:
TCE Concentration reported in Micrograms per Cubic Meter (ug/m3)
Wisconsin DNR Indoor Air Vapor Action Level (VAL) for small commercial buildings is 8.8 ug/m3. Immediate Action Criteria for Indoor Air = 3 x VAL (26.4 ug/m3)
Sample locations in parantheses are Wisconsin Department of Health Services (WDHS) descriptions
AT = Assay Technology Laboratory
WOH = State of Wisconsin Occupational Health Laboratory
Beacon = Beacon Environmental Laboratory
Occupied Areas = Excludes outdoor, basement and stairwell samples

Customer: CHRIST CHURCH MILWAUKEE
Attention: GEORGE BEYER
Address: 1422 N VEL R PHILLIPS AVE
MILWAUKEE, WI 53212
USA

Lab Work Order: 2023040602

Customer No.: 64133
Received Date: April 19, 2023
Date Reported: April 25, 2023

Project ID: 1422 VEL PHILLIPS

Phone No.: (262) 271-6040
Fax No.:

PO No.:

Exposure results are the average concentration for the period of time monitored. '<' means the result is 'less than the RptLmt'. RptLmt = Reporting Limit. The results relate only to the items tested. Unless noted below, samples were received in acceptable condition, all applicable quality control were within method specifications, lab blanks were subtracted before a result was reported, and any customer supplied field blanks were not subtracted from sample results. The molar volume at 25 C (24.45 L/mole) was used to calculate parts per million, ppm. Air concentrations reported are based upon field sampling information provided by the customer. For assistance with the content of this report, please visit the Customer Support section of our web site at <http://www.assaytech.com> or contact Technical Support at 1-800-833-1258. For details of significant method modifications go to www.assaytech.com/method.

Lab Sample ID	Lab Code	Date Sampled	Client Sample ID	Media	Media Lot / Serial #	Analytes Requested	Quantity Found			Sample Time		Concentration	
							Total	RptLmt	Units	Vol. (L)	(min)	Found	Units
23019353	ATOH	04/05/2023	OUTDOOR- ALLEY	525	2J23 - QF25047	TRICHLOROETHYLENE	28.0	2.0	UG	1050	14440	0.0049	PPM
Analyzed By: MWAGNER			Analyzed On: 4/21/2023			Approved By: KTAYLOR			Approved On: 4/25/2023				
23019354	ATOH	04/05/2023	FIRST FLOOR - NW CORNER OFFICE	525	2J23 - QF25025	TRICHLOROETHYLENE	2.95	2.0	UG	1050	14445	0.00052	PPM
Analyzed By: MWAGNER			Analyzed On: 4/21/2023			Approved By: KTAYLOR			Approved On: 4/25/2023				
23019355	ATOH	04/05/2023	FIRST FLOOR- WEST EXIT STAIR DOOR	525	2J23 - QF24560	TRICHLOROETHYLENE	9.00	2.0	UG	1050	14441	0.0016	PPM
Analyzed By: MWAGNER			Analyzed On: 4/21/2023			Approved By: KTAYLOR			Approved On: 4/25/2023				
23019356	ATOH	04/05/2023	FIRST FLOOR - NE REAR CAGE	525	2J23 - QF25138	TRICHLOROETHYLENE	4.34	2.0	UG	1050	14443	0.00077	PPM
Analyzed By: MWAGNER			Analyzed On: 4/21/2023			Approved By: KTAYLOR			Approved On: 4/25/2023				
23019357	ATOH	04/05/2023	SECOND FLOOR- NURSERY	525	2J23 - QF24187	TRICHLOROETHYLENE	2.96	2.0	UG	1050	14433	0.00052	PPM
Analyzed By: MWAGNER			Analyzed On: 4/21/2023			Approved By: KTAYLOR			Approved On: 4/25/2023				
23019358	ATOH	04/05/2023	FIRST FLOOR - GALLERY SOUTH SIDE CENTER	525	2J23 - QF25054	TRICHLOROETHYLENE	3.18	2.0	UG	1050	14445	0.00056	PPM

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Lab Sample ID	Lab Code	Date Sampled	Client Sample ID	Media	Media Lot / Serial #	Analytes Requested	Quantity Found			Sample		Concentration	
							Total	RptLmt	Units	Vol. (L)	Time (min)	Found	Units
Analyzed By: MWAGNER						Analyzed On: 4/21/2023		Approved By: KTAYLOR		Approved On: 4/25/2023			
23019359	ATOH	04/05/2023	BASEMENT - PRINT WORK ROOM	525	2J23 - QF24865	TRICHLOROETHYLENE	7.52	2.0	UG	1050	14410	0.0013	PPM
Analyzed By: MWAGNER						Analyzed On: 4/21/2023		Approved By: KTAYLOR		Approved On: 4/25/2023			
23019360	ATOH	04/05/2023	OUTDOOR - ROOFTOP UNIT #1	525	2J23 - QF24172	TRICHLOROETHYLENE	<	2.0	UG	1050	14436	<	0.00035 PPM
Analyzed By: MWAGNER						Analyzed On: 4/21/2023		Approved By: KTAYLOR		Approved On: 4/25/2023			
23019361	ATOH	04/05/2023	SECOND FLOOR- MOTHERS ROOM	525	2J23 - QF24229	TRICHLOROETHYLENE	2.74	2.0	UG	1050	14426	0.00049	PPM
Analyzed By: MWAGNER						Analyzed On: 4/21/2023		Approved By: KTAYLOR		Approved On: 4/25/2023			
23019362	ATOH	04/05/2023	SECOND FLOOR- NE CONFERENCE ROOM	525	2J23 - QF23698	TRICHLOROETHYLENE	3.26	2.0	UG	1050	14425	0.00058	PPM
Analyzed By: MWAGNER						Analyzed On: 4/21/2023		Approved By: KTAYLOR		Approved On: 4/25/2023			

Method References:

TestCode	Analytes Requested	Method Reference	Regulatory Agency	TWA Limit	STEL Limit	Exposure Units
79016A	TRICHLOROETHYLENE	AT L-OV (GC/FID)	OSHA PEL/CEILING	100	200	PPM

Applicable OSHA PELs or NIOSH RELS have been included in this lab report for guidance, but may not be sufficient for regulatory compliance. Clients should be aware that more stringent international, state, local, or organizational exposure limits may supersede the limits included with this report. Visit www.OSHA.gov/dsg/annotated-pels for detailed information on exposure limits and OSHA policies.