

From: George Beyer <george@christchurchmke.org>
Sent: Tuesday, November 29, 2022 10:01 AM
To: Hedman, Curtis J - DHS; Michalets, Linda M - DNR
Subject: TEC Air Sampling, 1422 N. Vel R. Phillips Ave., Milwaukee
Attachments: CCM Air Sampling March - November 2022.pdf; 2022110507 Assay Tech-CCM 11-15-22.pdf

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Hello Curtis and Linda,

Attached is the Assay Technology lab report from our November round of testing, and my summary of the sampling done from April through November.

Interior TCE levels have decreased slightly from October -- average is 4.35 ug/cm³ in all of the occupied areas.

The basement level is trending downward, but remains at 10.9 ug/cm³. The outside air at the alley also has less TCE, but is still at 46.5 ug/cm³.

Slow improvement, but still a positive trend. We are continuing to look for ways to tighten up the building envelope and operate the building systems to prevent TCE vapor infiltration.

Our testing results will continue to be shared with Kevin Hedinger at GZA.

George
(262) 271-6040

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

Lab Work Order: 2022110507

Customer No.: 64133
Received Date: November 15, 2022
Date Reported: November 28, 2022

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
22047355	ATOH	11/01/2022	FIRST FLOOR- NW CORNER OFFICE	525	9A22 - PZ03877	TRICHLOROETHYLENE	4.32	2.0	UG	1050	14364	0.00077	PPM
			Analyzed By: MWAGNER	Analyzed On: 11/25/2022	Approved By: BEWING	Approved On: 11/28/2022							
22047356	ATOH	11/01/2022	FIRST FLOOR- REAR CAGE	525	9A22 - PZ03413	TRICHLOROETHYLENE	4.65	2.0	UG	1050	14353	0.00083	PPM
			Analyzed By: MWAGNER	Analyzed On: 11/25/2022	Approved By: BEWING	Approved On: 11/28/2022							
22047357	ATOH	11/01/2022	BASEMENT- PRINTING WORK ROOM CAGE	525	9A22 - PZ03892	TRICHLOROETHYLENE	10.9	2.0	UG	1050	14361	0.0019	PPM
			Analyzed By: MWAGNER	Analyzed On: 11/25/2022	Approved By: BEWING	Approved On: 11/28/2022							
22047358	ATOH	11/01/2022	FIRST FLOOR- WEST EXIT STAIR DOOR	525	9A22 - PZ03920	TRICHLOROETHYLENE	20.7	2.0	UG	1050	14361	0.0037	PPM
			Analyzed By: MWAGNER	Analyzed On: 11/25/2022	Approved By: BEWING	Approved On: 11/28/2022							
22047359	ATOH	11/01/2022	SECOND FLOOR- NURSERY	525	9A22 - PZ03902	TRICHLOROETHYLENE	4.67	2.0	UG	1050	14372	0.00083	PPM
			Analyzed By: MWAGNER	Analyzed On: 11/25/2022	Approved By: BEWING	Approved On: 11/28/2022							
22047360	ATOH	11/01/2022	FIRST FLOOR- GALLERY SOUTH SIDE CENTER	525	9A22 - PZ03011								

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							Total	RptLmt	Units	Vol. (L)	Time (min)	Found	Units
22047360	ATOH	11/01/2022	FIRST FLOOR- GALLERY SOUTH SIDE CENTER	525	9A22 - PZ03011	TRICHLOROETHYLENE	4.61	2.0	UG	1050	14361	0.00082	PPM
Analyzed By: MWAGNER		Analyzed On: 11/25/2022		Approved By: BEWING		Approved On: 11/28/2022							
22047361	ATOH	11/01/2022	OUTDOOR- ROOFTOP UNIT #1	525	9A22 - PZ03805	TRICHLOROETHYLENE	<	2.0	UG	1050	14343	< 0.00036	PPM
Analyzed By: MWAGNER		Analyzed On: 11/25/2022		Approved By: BEWING		Approved On: 11/28/2022							
22047362	ATOH	11/01/2022	SECOND FLOOR- MOTHERS ROOM	525	9A22 - PZ03895	TRICHLOROETHYLENE	3.79	2.0	UG	1050	14360	0.00067	PPM
Analyzed By: MWAGNER		Analyzed On: 11/25/2022		Approved By: BEWING		Approved On: 11/28/2022							
22047363	ATOH	11/01/2022	SECOND FLOOR- NE CONFERENCE ROOM	525	9A22 - PZ02019	TRICHLOROETHYLENE	4.04	2.0	UG	1050	14343	0.00072	PPM
Analyzed By: MWAGNER		Analyzed On: 11/25/2022		Approved By: BEWING		Approved On: 11/28/2022							
22047364	ATOH	11/01/2022	OUTDOOR- ALLEY	525	9A22 - PZ03841	TRICHLOROETHYLENE	46.5	2.0	UG	1050	14359	0.0083	PPM
Analyzed By: MWAGNER		Analyzed On: 11/25/2022		Approved By: BEWING		Approved On: 11/28/2022							

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.

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
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
Testing Laboratory	AT	WOH	Beacon	AT	AT	AT	WOH	WOH	WOH	AT	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
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	---	---	---
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
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
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
1st Flr - Rear Cage	10.6	---	---	17.1	9.0	8.8	---	---	---	6.8	5.4	4.7
1st Flr - West Stair Exit Door	---	---	---	190.0	31.6	32.1	---	---	---	20.9	12.6	20.7
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
2nd Flr - Nursery	7.2	---	---	15.6	6.7	7.8	---	---	---	6.7	5.3	4.7
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
Rooftop - 1st Flr Rooftop HVAC	---	8.25	---	2.9	3.1	6.5	---	---	---	<2.0	10.7	<2.0

Notes:

TCE Quantity 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

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