

From: Maguire, Andrew <maguire.andrew@epa.gov>
Sent: Tuesday, January 31, 2023 10:37 AM
To: Koch, Amanda A - DHS; Hedman, Curtis J - DHS; Schultz, Josie M - DNR
Subject: FW: Preliminary Residential Data Summary Tables- Dry Cleaners, etc
Attachments: Preliminary Indoor Air Summary Table 01.27.23.pdf; Preliminary Sub Slab Data Summary Table 01.27.23.pdf

Follow Up Flag: Follow up
Flag Status: Flagged

**CAUTION: This email originated from outside the organization.
Do not click links or open attachments unless you recognize the sender and know the content is safe.**

Hello,

Attached is the preliminary data from our sampling in New London a couple weeks ago. Below is a sample id cross reference with the home address where the sample was taken:

1003: 111 E Beacon
1004: 117 E Beacon
1005: 512 S Lawrence
1008: 113 E Cook

This is preliminary data and has not been validated outside of the laboratory. I will call the residents with this information this week. Once the data is validated I will share that as well along with sending letters to the residents. Results indicate levels below our VISLs at EPA for residential exposure.

Andy Maguire
On-Scene Coordinator
U.S. EPA Region 5
312-758-8672 (mobile)

From: Scholl, Alexia <ALEXIA.SCHOLL@tetrattech.com>
Sent: Friday, January 27, 2023 4:36 PM
To: Maguire, Andrew <maguire.andrew@epa.gov>
Subject: Preliminary Residential Data Summary Tables

Hi Andy,

Please see attached for preliminary data summary tables for residential indoor air and sub slab soil gas. Please let me know if you have any questions.

Additionally, I spoke with Christine at the library today and I will have someone based out of Appleton picking up the Radiellos at 0800 on Wednesday.

Have a great weekend!

Thanks,

Alexia Scholl | Environmental Scientist

Direct: 312.201.7404 | Mobile: 513.835.3617

alexia.scholl@tetrattech.com

Tetra Tech

1 S. Wacker Drive, 37th Floor | Chicago, IL 60606

www.tetrattech.com

PLEASE NOTE: This message, including any attachments, may include privileged, confidential and/or inside information. Any distribution or use of this communication by anyone other than the intended recipient is strictly prohibited and may be unlawful. If you are not the intended recipient, please notify the sender by replying to this message and then delete it from your system.

**Dry Cleaning Etc.
Preliminary Analytical Summary Table:
Indoor Air**

		EPA VISL Residential Indoor Air (HQ=3, TCR=1E-4)	DCE-1003-IA-02- 230118	DCE-1004-IA- 03-230118	DCE-1005-IA- 01-230118	DCE-1005-IA- 02-230118-02	DCE-1008-IA-01- 230119
Analyte	CAS Number	Volatile Organic Compounds (VOCs) ug/m ³					
Vinyl chloride	75-01-4	17	0.016 U	0.017 U	0.032 U	0.039 U	0.036 U
trans-1,2- Dichloroethene	156-60-5	125	0.015 U	0.015 U	0.032 U	0.039 U	0.036 U
cis-1,2-Dichloroethene	156-59-2	125	0.0097 U	0.0099 U	0.032 U	0.039 U	0.036 U
Trichloroethene*	79-01-6	2	0.010 U	0.011 U	0.032 U	0.039 U	0.036 U
Tetrachloroethene	127-18-4	125	0.15	0.086	0.11	0.015	0.9

Notes:

= result greater than the EPA VISL: Residential Target Indoor Air Concentration

Result Qualifiers: All qualifiers are laboratory qualifiers. The results and qualifiers are not validated and should be considered preliminary.

J = The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample. biased high.

U = The analyte was analyzed for, but was not detected at or above the associated value (reporting limit) due to deficiencies in one or more quality control criteria.

EPA = U. S. Environmental Protection Agency

HQ = Hazard Quotient

NA = Not Analyzed

Dry Cleaning Etc.
Preliminary Analytical Summary Table:
Indoor Air

TCR = Target Cancer Risk

VOCs = Volatile Organic Compounds

VISL = Vapor Intrusion Screening Level

ug/m³ = Micrograms per cubic meter

U.S. Environmental Protection Agency Regional Vapor Intrusion Screening Level based on Target Hazard Quotient (HQ) = 3 and Target Excess Cancer Risk (TCR) = 1E-4, with exception to the VISL for trichloroethene that is based on HQ = 1 and TCR = 1E-4

**Dry Cleaning Etc.
Preliminary Data Summary Table:
Sub-Slab Soil Gas**

		EPA VISL Residential Sub- Slab Soil Gas (HQ=3, TCR=1E-4)	DCE-1003- SS-02-230118	DCE-1004- SS-03- 230118	DCE-1005- SS-01-230118	DCE-1005- SS-02- 230118-02	DCE-1008- SS-01-230119
Analyte	CAS Number	Volatile Organic Compounds (VOCs) ug/m³					
Vinyl chloride	75-01-4	559	0.085 J	0.21	0.16 U	0.16 U	0.15 U
trans-1,2- Dichloroethene	156-60-5	4170	0.15 U	0.14 U	0.16 U	0.16 U	0.15 U
cis-1,2- Dichloroethene	156-59-2	4170	0.15 U	0.14 U	0.16 U	0.16 U	0.15 U
Trichloroethene*	79-01-6	70	0.15 U	0.14 U	0.61	0.61	0.15 U
Tetrachloroethene	127-18-4	4170	1.1	0.14 U	33	24	18

Notes:

= result greater than the EPA VISL: Residential Soil Gas and Sub-Slab Soil Gas

Result Qualifiers: All qualifiers are laboratory qualifiers. The results and qualifiers are not validated and should be considered preliminary.

B = Compound was found in the blank and sample.

J = The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample, biased high.

U = The analyte was analyzed for, but was not detected at or above the associated value (reporting limit) due to deficiencies in one or more quality control criteria.

EPA = U. S. Environmental Protection Agency

**Dry Cleaning Etc.
Preliminary Data Summary Table:
Sub-Slab Soil Gas**

HQ = Hazard Quotient

NA = Not Analyzed

TCR = Target Cancer Risk

VOCs = Volatile Organic Compounds

VISL = Vapor Intrusion Screening Level

ug/m³ = Micrograms per cubic meter

U.S. Environmental Protection Agency Regional Vapor Intrusion Screening Level based on Target Hazard Quotient (HQ) = 3 and Target Excess Cancer Risk (TCR) = 1E-4, with exception to the VISL for trichloroethene that is based on HQ = 1 and TCR = 1E-4