

Larson, Gena M - DNR

From: Faryan, Steve <faryan.steven@epa.gov>
Sent: Tuesday, August 12, 2014 11:12 AM
To: Larson, Gena M - DNR; Jennifer Ferguson; Wozniak, Ryan J - DHS; Ryan E. Dudley; Johnson, Mark
Subject: FW: Vogue Cleaners
Attachments: Fig3-SampleLoc.pdf

Attached is the Sample location map for Vogue Cleaners to go with the spread sheet on the data that I sent yesterday. The Sub-slab and indoor air for 7525 Clarke is 001, 7515 Clarke is 002 and 2562 Wauwatosa Ave is 003.

Steve Faryan, USEPA
OSC, 312-353-9351

◦ Sample ofl. building — because, grv not fully characterized.

2562 N. Wauwatosa.

indoor air samples taken on 1st level — not basement.

→ letters sent this week to homeowners.

June 17th — Article.

Collision → didn't open building on-site.

Access for sampling — not digging, etc.

→ add'l borings. on southern.

will send draft → latest report
? final of last report.

**TABLE 1
ANALYTICAL RESULTS FOR INDOOR AIR AND AMBIENT AIR SAMPLES**

Analyte	Vapor Intrusion Screening Level for Target Indoor Air Concentration ¹	Sample ID:	VC-IA-001	VC-IA-001-D	VC-IA-002	VC-IA-003	VC-AA-001	VC-AA-002
		Sample Date:	7/1/2014	07/01/2014	07/01/2014	7/2/2014	7/1/2014	07/02/2014
VOCs by TO-15 SIM								
Propene	3100	µg/m ³	4.0	3.6	34	0.79 J	1.3	4.2
Dichlorodifluoromethane (CFC 12)	100	µg/m ³	1.9	1.9	2.0	2.0	2.1	2.3
Chloromethane	94	µg/m ³	0.40 J	0.42 J	0.74 J	0.31 J	0.37 J	0.36 J
1,2-Dichloro-1,1,2,2-tetrafluoroethane (CFC 114)	--	µg/m ³	0.92 U	1.1 U	0.79 U	0.83 U	0.92 U	0.80 U
1,3-Butadiene	0.940	µg/m ³	0.92 U	1.1 U	0.79 U	0.83 U	0.92 U	0.80 U
Bromomethane	5.20	µg/m ³	0.92 U	1.1 U	0.79 U	0.83 U	0.92 U	0.80 U
Chloroethane	1000	µg/m ³	0.92 U	1.1 U	0.79 U	0.83 U	0.92 U	0.80 U
Ethanol	--	µg/m ³	520	500	3,200 D	8.4	13	53
Acetonitrile	63	µg/m ³	0.34 J	0.43 J	0.58 J	0.83 U	0.92 U	0.80 U
Acrolein	0.0210	µg/m ³	5.8	4.3	4.6	0.32 J	1.1 J	2.1 J
Acetone	3200	µg/m ³	280	280	100	6.0 J	11	18
Trichlorofluoromethane	7300	µg/m ³	1.2	1.2	1.2	1.1	1.2	1.6
2-Propanol (Isopropyl Alcohol)	--	µg/m ³	8.7 J	8.7 J	97	0.82 J	1.8 J	7.7 J
Acrylonitrile	0.410	µg/m ³	0.92 U	1.1 U	0.79 U	0.83 U	0.92 U	0.80 U
Methylene Chloride	6300	µg/m ³	0.66 J	0.65 J	0.42 J	0.30 J	0.33 J	1.5
3-Chloro-1-propene (Allyl Chloride)	1.00	µg/m ³	0.92 U	1.1 U	0.79 U	0.83 U	0.92 U	0.80 U
Trichlorotrifluoroethane	31000	µg/m ³	0.42 J	0.43 J	0.41 J	0.43 J	0.41 J	0.45 J
Carbon Disulfide	730	µg/m ³	0.42 J	0.41 J	0.57 J	8.30 U	9.20 U	0.32 J
trans-1,2-Dichloroethene	--	µg/m ³	0.92 U	1.1 U	0.79 U	0.83 U	0.92 U	0.80 U
1,1-Dichloroethane	17.548	µg/m ³	0.92 U	1.1 U	0.79 U	0.83 U	0.92 U	0.80 U
Methyl tert-Butyl Ether	107.99	µg/m ³	0.92 U	1.1 U	0.79 U	0.83 U	0.92 U	0.80 U
Vinyl Acetate	208.57	µg/m ³	9.2 U	11 U	3.6 J	3.8 J	4.2 J	5.9 J
2-Butanone (MEK)	5214.29	µg/m ³	4.6 J	5.3 J	3.3 J	1.4 J	1.8 J	1.4 J
cis-1,2-Dichloroethene	--	µg/m ³	0.92 U	1.1 U	0.79 U	0.83 U	0.92 U	0.80 U
Ethyl Acetate	73.0	µg/m ³	61	53	59	2.2	7.2	100
n-Hexane	730	µg/m ³	47	45	0.89	0.26 J	0.46 J	1.9
Chloroform	1.22	µg/m ³	1.1	1.0 J	3.8	0.83 U	0.92 U	0.80 U
Tetrahydrofuran (THF)	2085.71	µg/m ³	0.49 J	0.47 J	0.79 U	0.83 U	0.92 U	0.80 U
1,2-Dichloroethane	1.08	µg/m ³	0.85 J	0.77 J	1.1	0.83 U	0.92 U	0.80 U
Carbon Tetrachloride	4.68	µg/m ³	0.44 J	0.50 J	0.66 J	0.41 J	0.40 J	0.42 J
Cyclohexane	6257.14	µg/m ³	14	15	1.1 U	1.7 U	1.8 U	1.6 U
1,2-Dichloropropane	2.81	µg/m ³	0.92 U	1.1 U	0.79 U	0.83 U	0.92 U	0.80 U
Bromodichloromethane	0.76	µg/m ³	0.92 U	1.1 U	0.79 U	0.83 U	0.92 U	0.80 U
1,4-Dioxane	--	µg/m ³	0.36 J	1.1 U	0.79 U	0.83 U	0.92 U	0.80 U
Methyl Methacrylate	730	µg/m ³	1.8 U	2.1 U	1.6 U	1.7 U	1.8 U	1.6 U
n-Heptane	--	µg/m ³	17	16	0.91	0.83 U	0.92 U	0.31 J
cis-1,3-Dichloropropene ²	7.02	µg/m ³	0.92 U	1.1 U	0.79 U	0.83 U	0.92 U	0.80 U
4-Methyl-2-pentanone	3128.57	µg/m ³	0.63 J	0.62 J	0.79 U	0.83 U	0.92 U	0.29 J
trans-1,3-Dichloropropene ²	7.02	µg/m ³	0.92 U	1.1 U	0.79 U	0.83 U	0.92 U	0.80 U
1,1,2-Trichloroethane	0.209	µg/m ³	0.92 U	1.1 U	0.79 U	0.83 U	0.92 U	0.80 U
2-Hexanone	31.29	µg/m ³	0.92 U	1.1 U	0.79 U	0.83 U	0.92 U	0.26 J
Dibromochloromethane	1.04	µg/m ³	0.92 U	1.1 U	0.79 U	0.83 U	0.92 U	0.80 U
1,2-Dibromoethane	0.0468	µg/m ³	0.92 U	1.1 U	0.79 U	0.83 U	0.92 U	0.80 U
n-Butyl Acetate	--	µg/m ³	26	27	15	0.83 U	0.92 U	0.70 J
n-Octane	--	µg/m ³	5.0	4.6	0.76 J	0.83 U	0.92 U	0.80 U
Chlorobenzene	52.14	µg/m ³	0.92 U	1.1 U	0.79 U	0.83 U	0.92 U	0.80 U
Ethylbenzene	11.23	µg/m ³	8.2	8.1	0.47 J	0.83 U	0.92 U	0.80 U
m,p-Xylenes	104.29	µg/m ³	28	28	0.96 J	1.70 U	1.80 U	0.68 J
Bromoform	--	µg/m ³	0.92 U	1.1 U	0.79 U	0.83 U	0.92 U	0.80 U
Styrene	1042.86	µg/m ³	0.73 J	0.77 J	1.1	0.83 U	0.92 U	0.31 J
o-Xylene	104.29	µg/m ³	9.9	10	0.41 J	0.83 U	0.92 U	0.27 J
n-Nonane	20.86	µg/m ³	2.4	2.3	0.39 J	0.83 U	0.92 U	0.38 J
1,1,2,2-Tetrachloroethane	0.484	µg/m ³	0.92 U	1.1 U	0.79 U	0.83 U	0.92 U	0.80 U
Cumene	417.14	µg/m ³	0.77 J	0.96 J	0.79 U	0.83 U	0.92 U	0.80 U
alpha-Pinene	--	µg/m ³	5.0	5.2	4.4	0.83 U	0.92 U	0.70 J
n-Propylbenzene	1042.86	µg/m ³	3.1	3.2	0.79 U	0.83 U	0.92 U	0.80 U
4-Ethyltoluene	--	µg/m ³	4.5	4.6	0.79 U	0.83 U	0.92 U	0.80 U
1,3,5-Trimethylbenzene	--	µg/m ³	4.1	4.2	0.79 U	0.83 U	0.92 U	0.80 U
1,2,4-Trimethylbenzene	7.30	µg/m ³	16	16	0.35 J	0.83 U	0.92 U	0.80 U
Benzyl Chloride	0.57	µg/m ³	0.92 U	1.1 U	0.79 U	0.83 U	0.92 U	0.80 U
1,3-Dichlorobenzene	--	µg/m ³	0.92 U	1.1 U	0.79 U	0.83 U	0.92 U	0.33 J
1,4-Dichlorobenzene	2.55	µg/m ³	0.73 J	0.67 J	0.36 J	5.4	0.49 J	12
1,2-Dichlorobenzene	208.57	µg/m ³	0.92 U	1.1 U	0.79 U	0.83 U	0.92 U	0.67 J
d-Limonene	--	µg/m ³	13	13	37	0.40 J	0.92 U	2.7
1,2-Dibromo-3-chloropropane	0.00169	µg/m ³	0.92 U	1.1 U	0.79 U	0.83 U	0.92 U	0.80 U
1,2,4-Trichlorobenzene	2.09	µg/m ³	0.92 U	1.1 U	0.79 U	0.83 U	0.92 U	0.80 U
Hexachlorobutadiene	--	µg/m ³	0.92 U	1.1 U	0.79 U	0.83 U	0.92 U	0.80 U
Vinyl Chloride	1.70	µg/m ³	0.12 U	0.13 U	0.098 U	0.11 U	0.11 U	0.10 U
1,1-Dichloroethene	2100	µg/m ³	0.12 U	0.13 U	0.098 U	0.11 U	0.11 U	0.10 U
1,1,1-Trichloroethane	5214.29	µg/m ³	0.033 J	0.033 J	0.031 J	0.11 U	0.11 U	0.037 J
Benzene	3.60	µg/m ³	13	13	0.39	0.27 J	0.56	0.62
Trichloroethene	2.09	µg/m ³	0.038 J	0.040 J	0.062 J	0.11 U	0.11 U	0.10 U
Toluene	5214.29	µg/m ³	94 B	90 B	3.2 B	0.53 B	0.95 B	4.8 B
Tetrachloroethene	41.71	µg/m ³	0.53	0.50	0.18	0.041 J	0.077 J	4.8
Naphthalene	0.826	µg/m ³	1.8	1.6	1.3	0.21	0.34	3.0

- Notes:**
- ¹ Values listed based on Vapor Intrusion Screening Level (VISL) Calculator Version 3.3.1, May 2014 RSLs; results based on a residential scenario, TCR = 10E-6 or THQ = 1.
 - ² EPA VISL for cis- or trans-1,3-dichloropropene not available; therefore, the EPA VISL for 1,3-dichloropropene is presented.
 - No screening level criteria developed
 - B Analyte detected in both the sample and associated method blank.
 - D The reported result is from a dilution.
 - J The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.
 - µg/m³ micrograms per cubic meter
 - MRL Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.
 - ND Compound was analyzed for, but not detected above the laboratory detection limit.
 - VC Vogue Cleaners Site
 - Value** Concentration exceeds the EPA VISL screening levels.

TABLE 2
ANALYTICAL RESULTS FOR SUB-SLAB SOIL GAS AND SOIL GAS SAMPLES

Analyte	Vapor Intrusion Screening Level for Target Sub-Slab and Exterior Soil Gas Concentration ¹	Sample ID:	VC-SS-001	VC-SS-001-D	VC-SS-002	VC-SS-003	VC-SG-011
		Sample Date:	7/1/2014	07/01/2014	07/01/2014	7/2/2014	07/01/2014
Sub-slab samples were collected through a stainless steel Summa canister VOC sampler and a 24-hour flow controller							
Propene	31000	µg/m ³	5.0	5.4	4.9	5.3	740 J
Dichlorodifluoromethane (CFC 12)	1000	µg/m ³	2.4	2.1	2.1	2.0	1,200 U
Chloromethane	940	µg/m ³	0.70 U	0.75 U	0.75 U	0.74 U	1,200 U
1,2-Dichloro-1,1,2,2-tetrafluoroethane (CFC 114)	--	µg/m ³	0.70 U	0.75 U	0.75 U	0.74 U	1,200 U
Vinyl Chloride	17	µg/m ³	0.70 U	0.75 U	0.75 U	0.74 U	1,200 U
1,3-Butadiene	9.40	µg/m ³	0.31 J	0.75 U	0.75 U	0.74 U	1,200 U
Bromomethane	52	µg/m ³	0.70 U	0.75 U	0.75 U	0.74 U	1,200 U
Chloroethane	10000	µg/m ³	0.70 U	0.75 U	0.75 U	0.74 U	1,200 U
Ethanol	--	µg/m ³	94	78	120	220	12,000 U
Acetonitrile	6300	µg/m ³	0.52 J	0.79	0.44 J	0.54 J	1,200 U
Acrolein	0.210	µg/m ³	1.4 J	1.5 J	1.2 J	1.7 J	5,000 U
Acetone	32000	µg/m ³	150	73	49	67	12,000 U
Trichlorofluoromethane	73000	µg/m ³	1.7	1.7	1.3	1.3	1,200 U
2-Propanol (Isopropyl Alcohol)	--	µg/m ³	5.3 J	5.6 J	11	12	12,000 U
Acrylonitrile	0.410	µg/m ³	0.70 U	0.75 U	0.75 U	0.74 U	1,200 U
1,1-Dichloroethene	21000	µg/m ³	0.70 U	0.75 U	0.75 U	0.74 U	1,200 U
Methylene Chloride	63000	µg/m ³	0.70 U	0.75 U	0.75 U	3.9	1,200 U
3-Chloro-1-propene (Allyl Chloride)	10	µg/m ³	0.70 U	0.75 U	0.75 U	0.74 U	1,200 U
Trichlorotrifluoroethane	310000	µg/m ³	1.0	1.6	0.77	0.53 J	1,200 U
Carbon Disulfide	7300	µg/m ³	6.3 J	10	18	1.9 J	12,000 U
trans-1,2-Dichloroethene	--	µg/m ³	0.70 U	0.75 U	0.75 U	0.74 U	1,200 U
1,1-Dichloroethane	175.48	µg/m ³	0.70 U	0.75 U	0.75 U	0.74 U	1,200 U
Methyl tert-Butyl Ether	1079.88	µg/m ³	1.6	1.8	1.6	2.1	1,200 U
Vinyl Acetate	2085.71	µg/m ³	7.0 U	5.0 J	5.2 J	4.7 J	12,000 U
2-Butanone (MEK)	52142.86	µg/m ³	6.9 J	13	5.6 J	7.2 J	12,000 U
cis-1,2-Dichloroethene	--	µg/m ³	0.70 U	0.75 U	0.75 U	0.74 U	1,200 U
Ethyl Acetate	730	µg/m ³	12	11	14	3.6	2,500 U
n-Hexane	7300	µg/m ³	7.6	4.6	1.0	2.0	1,200 U
Chloroform	12.21	µg/m ³	1.5	1.5	2.9	0.26 J	1,200 U
Tetrahydrofuran (THF)	20857.14	µg/m ³	1.5	0.52 J	0.57 J	0.76	1,200 U
1,2-Dichloroethane	10.80	µg/m ³	0.70 U	0.75 U	0.75	0.74 U	1,200 U
1,1,1-Trichloroethane	52142.86	µg/m ³	0.70 U	0.75 U	0.75	0.74 U	1,200 U
Benzene	36	µg/m ³	2.4	1.6	0.45 J	0.65 J	1,200 U
Carbon Tetrachloride	46.79	µg/m ³	0.70 U	0.75 U	0.95	0.42 J	1,200 U
Cyclohexane	62571.43	µg/m ³	2.5	1.5	0.50 J	0.73 J	2,500 U
1,2-Dichloropropane	28.08	µg/m ³	0.70 U	0.75 U	0.75 U	0.74 U	1,200 U
Bromodichloromethane	7.59	µg/m ³	0.70 U	0.75 U	0.75 U	0.74 U	1,200 U
Trichloroethene	20.86	µg/m ³	0.22 J	0.23 J	0.36 J	0.39 J	860 J
1,4-Dioxane	--	µg/m ³	0.70 U	0.75 U	0.52 J	0.74 U	1,200 U
Methyl Methacrylate	7300	µg/m ³	0.45 J	0.56 J	1.5 U	1.5 U	2,500 U
n-Heptane	--	µg/m ³	15	14	9.3	16	1,200 U
cis-1,3-Dichloropropene ²	70.19	µg/m ³	0.70 U	0.75 U	0.75 U	0.74 U	1,200 U
4-Methyl-2-pentanone	31285.71	µg/m ³	0.62 J	0.84	0.45 J	0.59 J	1,200 U
trans-1,3-Dichloropropene ²	70.19	µg/m ³	0.70 U	0.75 U	0.75 U	0.74 U	1,200 U
1,1,2-Trichloroethane	2.09	µg/m ³	0.70 U	0.75 U	0.75 U	0.74 U	1,200 U
Toluene	52142.86	µg/m ³	16	8.0	6.7	7.7	1,200 U
2-Hexanone	312.86	µg/m ³	0.70 U	0.75 U	0.75 U	0.74 U	1,200 U
Dibromochloromethane	10.40	µg/m ³	0.70 U	0.75 U	0.75 U	0.74 U	1,200 U
1,2-Dibromoethane	0.468	µg/m ³	0.70 U	0.75 U	0.75 U	0.74 U	1,200 U
n-Butyl Acetate	--	µg/m ³	2.0	1.1	1.7	1.1	1,200 U
n-Octane	--	µg/m ³	5.5	5.2	2.0	2.4	2,300
Tetrachloroethene	417.14	µg/m ³	8.0	8.4	1.7	0.74	180,000
Chlorobenzene	521.43	µg/m ³	0.70 U	0.75 U	0.75 U	0.74 U	1,200 U
Ethylbenzene	112.31	µg/m ³	2.9	2.4	1.3	1.6	1,200 U
m,p-Xylenes	1042.86	µg/m ³	8.3	6.7	4.4	4.6	2,500 U
Bromoform	--	µg/m ³	0.70 U	0.75 U	0.75 U	0.74 U	1,200 U
Styrene	10428.57	µg/m ³	3.5	3.6	1.3	3.3	1,200 U
o-Xylene	1042.86	µg/m ³	3.1	2.5	1.6	1.6	1,200 U
n-Nonane	208.57	µg/m ³	23	23	1.4	1.5	1,200 U
1,1,2,2-Tetrachloroethane	4.84	µg/m ³	0.70 U	0.75 U	0.75 U	0.74 U	1,200 U
Cumene	4171.43	µg/m ³	1.2	1.1	0.68 J	0.50 J	1,200 U
alpha-Pinene	--	µg/m ³	8.7	8.2	16	9.5	1,200 U
n-Propylbenzene	10428.57	µg/m ³	1.6	1.5	0.36 J	0.74 U	1,200 U
4-Ethyltoluene	--	µg/m ³	1.4	1.1	0.33 J	0.74 U	1,200 U
1,3,5-Trimethylbenzene	--	µg/m ³	4.4	4.1	0.48 J	0.74 U	1,200 U
1,2,4-Trimethylbenzene	73	µg/m ³	8.3	6.3	1.6	0.56 J	1,200 U
Benzyl Chloride	5.73	µg/m ³	0.70 U	0.75 U	0.75 U	0.74 U	1,200 U
1,3-Dichlorobenzene	--	µg/m ³	0.70 U	0.75 U	0.75 U	0.74 U	1,200 U
1,4-Dichlorobenzene	25.52	µg/m ³	0.70 U	0.75 U	0.75 U	0.74 U	1,200 U
1,2-Dichlorobenzene	2085.71	µg/m ³	0.70 U	0.75 U	0.75 U	0.74 U	1,200 U
d-Limonene	--	µg/m ³	9.5	8.6	6.8	2.7	1,200 U
1,2-Dibromo-3-chloropropane	0.0169	µg/m ³	0.70 U	0.75 U	0.75 U	0.74 U	1,200 U
1,2,4-Trichlorobenzene	20.86	µg/m ³	0.70 U	0.75 U	0.75 U	0.74 U	1,200 U
Naphthalene	8.26	µg/m ³	0.97	0.91	2.1	0.74 U	1,200 U
Hexachlorobutadiene	--	µg/m ³	0.70 U	0.75 U	0.75 U	0.74 U	1,200 U
Helium	--	ppmV	5,800 J	760 J	310	950	Not Taken

Notes:

- ¹ Values listed based on Vapor Intrusion Screening Level (VISL) Calculator Version 3.3.1, May 2014 RSLs; results based on a residential scenario, TCR = 10E-6 or THQ = 1
- ² EPA VISL for cis- or trans-1,3-dichloropropene not available; therefore, the EPA VISL for 1,3-dichloropropene is presented.
- No screening level criteria developed
- J The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.
- µg/m³ micrograms per cubic meter
- MRL Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.
- ND Compound was analyzed for, but not detected above the laboratory detection limit.
- ppmV parts per million volume
- VC Vogue Cleaners Site
- Value Concentration exceeds the EPA VISL screening levels.

**TABLE 3
ANALYTICAL RESULTS FOR SUBSURFACE SOIL SAMPLES**

Analyte	EPA Regional Screening Level Resident Soil	Sample ID:	VC-SB-11-0607	VC-SB-11-0607-D	VC-SB-12-0607	VC-SB-13-0607
		Sample Date:	06/30/2014	06/30/2014	06/30/2014	06/30/2014
1,1,1-Trichloroethane	8,100,000	µg/kg	170 U	34 U	4.2 U	4.7 U
1,1,2,2-Tetrachloroethane	600	µg/kg	170 U	34 U	4.2 U	4.7 U
1,1,2-Trichloroethane	1,100	µg/kg	170 U	34 U	4.2 U	4.7 U
1,1,2-Trichlorotrifluoroethane	40,000,000	µg/kg	170 U	34 U	4.2 U	4.7 U
1,1-Dichloroethane	3,600	µg/kg	170 U	34 U	4.2 U	4.7 U
1,1-Dichloroethene	230,000	µg/kg	170 U	34 U	4.2 U	4.7 U
1,2,3-Trichlorobenzene	49,000	µg/kg	170 U	34 U	4.2 U	4.7 U
1,2,4-Trichlorobenzene	24,000	µg/kg	170 U	34 U	4.2 U	4.7 U
1,2-Dibromo-3-chloropropane	5.3	µg/kg	170 U	34 U	4.2 U	4.7 U
1,2-Dibromoethane	36	µg/kg	170 U	34 U	4.2 U	4.7 U
1,2-Dichlorobenzene	1,800,000	µg/kg	170 U	34 U	4.2 U	4.7 U
1,2-Dichloroethane	460	µg/kg	170 U	34 U	4.2 U	4.7 U
1,2-Dichloropropane	1,000	µg/kg	170 U	34 U	4.2 U	4.7 U
1,3-Dichlorobenzene	--	µg/kg	170 U	34 U	4.2 U	4.7 U
1,4-Dichlorobenzene	2,600	µg/kg	170 U	34 U	4.2 U	4.7 U
2-Butanone	27,000,000	µg/kg	1,100 U	220 U	8.3 U	9.4 U
2-Hexanone	200,000	µg/kg	170 U	34 U	4.2 U	4.7 U
4-Methyl-2-pentanone	5,300,000	µg/kg	170 U	34 U	4.2 U	4.7 U
Acetone	61,000,000	µg/kg	560 U	110 U	5.8 J	7.7 J
Benzene	1,200	µg/kg	170 U	34 U	1.3 J	0.52 J
Bromochloromethane	150,000	µg/kg	170 U	34 U	4.2 U	4.7 U
Bromodichloromethane	290	µg/kg	170 U	34 U	4.2 U	4.7 U
Bromoform	67,000	µg/kg	170 U	34 U	4.2 U	4.7 U
Bromomethane	6,800	µg/kg	420 U	84 U	8.3 U	9.4 U
Carbon disulfide	770,000	µg/kg	170 U	34 U	4.2 U	4.7 U
Carbon tetrachloride	650	µg/kg	170 U	34 U	4.2 U	4.7 U
Chlorobenzene	280,000	µg/kg	170 U	34 U	4.2 U	4.7 U
Chloroethane	14,000,000	µg/kg	560 U	110 U	4.2 U	4.7 U
Chloroform	320	µg/kg	170 U	34 U	4.2 U	4.7 U
Chloromethane	110,000	µg/kg	560 U	110 U	8.3 U	9.4 U
cis-1,2-Dichloroethene	160,000	µg/kg	170 U	34 U	4.2 U	4.7 U
cis-1,3-Dichloropropene	1,800 ¹	µg/kg	170 U	34 U	4.2 U	4.7 U
Cyclohexane	6,500,000	µg/kg	170 U	34 U	3.1 J	1.7 J
Dibromochloromethane	730	µg/kg	170 U	34 U	4.2 U	4.7 U
Dichlorodifluoromethane	87,000	µg/kg	170 U	34 U	8.3 U	9.4 U
Ethylbenzene	5,800	µg/kg	170 U	34 U	0.35 J	4.7 U
Isopropylbenzene	1,900,000	µg/kg	170 U	34 U	4.2 U	4.7 U
m,p-Xylene	550,000 ²	µg/kg	340 U	67 U	0.48 J	2.4 U
Methyl acetate	78,000,000	µg/kg	1,100 U	260	8.3 U	9.4 U
Methyl tert-butyl ether	47,000	µg/kg	170 U	34 U	4.2 U	4.7 U
Methylcyclohexane	--	µg/kg	170 U	34 U	3.9 J	1.9 J
Methylene chloride	57,000	µg/kg	170 U	34 U	4.2 U	4.7 U
o-Xylene	650,000	µg/kg	170 U	34 U	0.17 J	2.4 U
Styrene	36,000,000	µg/kg	170 U	34 U	4.2 U	4.7 U
Tetrachloroethene	24,000	µg/kg	51,000	27,000	4.2 U	4.7 U
Toluene	4,900,000	µg/kg	170 U	34 U	0.24 J	4.7 U
trans-1,2-Dichloroethene	1,600,000	µg/kg	170 U	34 U	4.2 U	4.7 U
trans-1,3-Dichloropropene	1,800,000	µg/kg	170 U	34 U	8.3 U	9.4 U
Trichloroethene	940,000	µg/kg	170 U	34 U	4.2 U	4.7 U
Trichlorofluoromethane	730,000	µg/kg	170 U	34 U	4.2 U	4.7 U
Vinyl chloride	59	µg/kg	170 U	34 U	4.2 U	4.7 U
Xylenes, Total	580,000	µg/kg	500 U	100 U	0.66 J	4.7 U
Moisture	NA	% of sample	11	11	12	16

Notes:

- 1 Value is for 1,3-dichloropropene
- 2 Value is for m-xylene
- No screening level criteria developed
- % Percent
- D Duplicate
- J The result is an estimated concentration that is between the MDL and reporting limit.
- MDL Method detection limit
- µg/kg Micrograms per kilogram
- NA Not applicable
- SB Soil boring
- U Analyzed but not detected above the MDL
- VC Vogue Cleaners Site
- Value** Concentration exceeds the EPA Regional Screening Level for residential soil



Legend
 Site Boundary

 Indoor Air, Sub Slab, Soil, Groundwater,
and Ambient Air Sampling Location

 Soil Boring Location

VOGUE CLEANERS
 2570 N. WAUWATOSA AVENUE
 WAUWATOSA, MILWAUKEE COUNTY,
 WISCONSIN



FIGURE 3
 SAMPLING LOCATION MAP

