284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: PSEG03

Lab Code: CHEM Case No.: Q1214 SAS No.: Q1214 SDG No.: Q1214

Instrument ID: MSVOA_X Calibration Date(s): 01/16/2025 01/16/2025

Heated Purge: (Y/N) N Calibration Time(s): 08:39 10:12

GC Column: DB-624UI ID: 0.18 (mm)

LAB FILE ID: RRF005 = VX044659.D RRF020 = VX044660.D RRF050 = VX044661.D
RRF100 = VX044662.D RRF150 = VX044663.D RRF =

COMPOUND	RRF005	RRF020	RRF050	RRF100	RRF150	RRF	$\overline{RRF}$	% RSD
Chloromethane	2.821	2.891	2.775	2.910	2.632		2.806	4
Vinyl Chloride	2.718	2.750	2.650	2.953	2.656		2.745	4.5
Bromomethane	0.720	0.648	0.619	0.683	0.647		0.663	5.9
Chloroethane	0.337	0.431	0.443	0.506	0.459		0.435	14.2
1,1-Dichloroethene	2.310	2.167	2.109	2.359	2.134		2.216	5
Acrolein	0.481	0.295	0.325	0.353	0.335		0.358	20.1
Acrylonitrile	1.225	1.195	1.163	1.234	1.078		1.179	5.3
Methylene Chloride	2.516	2.531	2.426	2.551	2.375		2.480	3.1
trans-1,2-Dichloroethene	2.273	2.202	2.143	2.306	2.094		2.203	4
1,1-Dichloroethane	4.238	4.335	4.228	4.546	4.166		4.303	3.5
Carbon Tetrachloride	0.616	0.587	0.558	0.605	0.551		0.583	4.8
cis-1,2-Dichloroethene	2.682	2.813	2.656	2.863	2.622		2.727	3.8
Chloroform	4.285	4.354	4.180	4.469	4.089		4.275	3.5
1,1,1-Trichloroethane	0.729	0.702	0.665	0.708	0.654		0.692	4.5
Benzene	1.720	1.726	1.635	1.681	1.562		1.665	4.1
1,2-Dichloroethane	0.610	0.616	0.579	0.607	0.563		0.595	3.8
Trichloroethene	0.394	0.405	0.394	0.424	0.393		0.402	3.3
Bromodichloromethane	0.667	0.655	0.628	0.638	0.598		0.637	4.1
Toluene	2.097	1.972	1.935	2.023	1.850		1.975	4.7
cis-1,3-Dichloropropene	0.737	0.748	0.719	0.731	0.671		0.721	4.2
1,1,2-Trichloroethane	0.425	0.419	0.398	0.391	0.355		0.397	7
2-Chloroethyl vinyl ether	0.376	0.351	0.338	0.309	0.302		0.335	9.1
Dibromochloromethane	0.507	0.503	0.469	0.468	0.428		0.475	6.8
Tetrachloroethene	0.365	0.350	0.349	0.387	0.348		0.360	4.7
Chlorobenzene	1.275	1.230	1.215	1.256	1.157		1.227	3.7
Ethyl Benzene	2.213	2.181	2.126	2.228	2.031		2.156	3.7
Bromoform	0.340	0.324	0.314	0.310	0.287		0.315	6.2
1,1,2,2-Tetrachloroethane	0.749	0.684	0.650	0.671	0.607		0.672	7.7
1,2-Dichloroethane-d4	2.935	2.867	2.905	2.916	2.857		2.896	1.1
Toluene-d8	1.674	1.620	1.622	1.634	1.609		1.632	1.5

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

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COMPOUND	RRF005	RRF020	RRF050	RRF100	RRF150	RRF	$\overline{RRF}$	% RSD
4-Bromofluorobenzene	0.579	0.578	0.588	0.586	0.582		0.583	0.7

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.