

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120325\
 Data File : VX048695.D
 Acq On : 03 Dec 2025 09:10
 Operator : JC/MD
 Sample : VSTDICC005
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC005

Quant Time: Dec 04 01:36:39 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X120325W.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 04 01:31:16 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 12/04/2025
 Supervised By : Semsettin Yesilyurt 12/04/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.531	168	217357	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.738	114	361225	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	330205	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	163167	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.934	65	16063	5.474	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	10.940%#		
35) Dibromofluoromethane	5.373	113	12437	5.051	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	10.100%#		
50) Toluene-d8	8.628	98	41661	4.934	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	9.860%#		
62) 4-Bromofluorobenzene	11.061	95	15922	5.139	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	10.280%#		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.172	85	10063	4.017	ug/l	98
3) Chloromethane	1.300	50	11619	4.758	ug/l	96
4) Vinyl Chloride	1.380	62	11675	4.364	ug/l	97
5) Bromomethane	1.611	94	8964	5.043	ug/l	96
6) Chloroethane	1.697	64	7199	4.544	ug/l #	82
7) Trichlorofluoromethane	1.892	101	17499	4.501	ug/l	98
8) Diethyl Ether	2.130	74	6646	4.801	ug/l	95
9) 1,1,2-Trichlorotrifluo...	2.331	101	10415	4.495	ug/l	95
10) Methyl Iodide	2.459	142	13490	4.042	ug/l	94
11) Tert butyl alcohol	2.934	59	10395	23.420	ug/l	98
12) 1,1-Dichloroethene	2.325	96	10406	4.518	ug/l	99
13) Acrolein	2.233	56	4083	17.011	ug/l	93
14) Allyl chloride	2.666	41	18352	4.210	ug/l	92
15) Acrylonitrile	3.056	53	32012	22.690	ug/l	97
16) Acetone	2.367	43	22647	23.613	ug/l	96
17) Carbon Disulfide	2.514	76	31394	4.475	ug/l	98
18) Methyl Acetate	2.697	43	13501	4.250	ug/l	93
19) Methyl tert-butyl Ether	3.099	73	34482	4.393	ug/l	94
20) Methylene Chloride	2.782	84	11481	4.288	ug/l #	92
21) trans-1,2-Dichloroethene	3.087	96	10725	4.512	ug/l	93
22) Diisopropyl ether	3.745	45	26130	3.348	ug/l #	78
23) Vinyl Acetate	3.709	43	110083	16.224	ug/l	100
24) 1,1-Dichloroethane	3.605	63	16856	3.792	ug/l	99
25) 2-Butanone	4.538	43	38098	23.255	ug/l	97
26) 2,2-Dichloropropane	4.458	77	19227	4.767	ug/l	100
27) cis-1,2-Dichloroethene	4.477	96	13668	4.593	ug/l	100
28) Bromochloromethane	4.879	49	10666	4.998	ug/l	90
29) Tetrahydrofuran	4.983	42	29542	23.217	ug/l	97
30) Chloroform	5.080	83	22861	4.855	ug/l	100
31) Cyclohexane	5.458	56	16413	4.334	ug/l	94
32) 1,1,1-Trichloroethane	5.367	97	19746	4.664	ug/l	98
36) 1,1-Dichloropropene	5.672	75	15867	4.769	ug/l	98
37) Ethyl Acetate	4.690	43	19726	4.491	ug/l	96
38) Carbon Tetrachloride	5.659	117	18217	4.765	ug/l #	80
39) Methylcyclohexane	7.360	83	16518	4.266	ug/l	91
40) Benzene	6.013	78	44786	4.580	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.903	41	8401	4.394	ug/l #	91
42) 1,2-Dichloroethane	6.074	62	16566	4.718	ug/l	84
43) Isopropyl Acetate	6.324	43	28595	4.821	ug/l	93
44) Trichloroethene	7.110	130	12323	4.787	ug/l	87
45) 1,2-Dichloropropane	7.409	63	10911	4.565	ug/l	97
46) Dibromomethane	7.568	93	9170	4.987	ug/l	92
47) Bromodichloromethane	7.799	83	18325	4.861	ug/l	99
48) Methyl methacrylate	7.677	41	12661	4.468	ug/l	92
49) 1,4-Dioxane	7.653	88	3323m	95.885	ug/l	
51) 4-Methyl-2-Pentanone	8.555	43	89970	24.067	ug/l	95
52) Toluene	8.702	92	29336	4.889	ug/l	99
53) t-1,3-Dichloropropene	8.964	75	17643	4.702	ug/l	96
54) cis-1,3-Dichloropropene	8.348	75	18621	4.679	ug/l	95
55) 1,1,2-Trichloroethane	9.134	97	11637	4.891	ug/l	96
56) Ethyl methacrylate	9.098	69	17076	4.479	ug/l	92
57) 1,3-Dichloropropane	9.293	76	19764	4.938	ug/l	97
58) 2-Chloroethyl Vinyl ether	8.226	63	42434	21.596	ug/l	94
59) 2-Hexanone	9.415	43	63597	23.709	ug/l	94
60) Dibromochloromethane	9.500	129	14115	4.757	ug/l	97
61) 1,2-Dibromoethane	9.592	107	12782	4.859	ug/l	95
64) Tetrachloroethene	9.256	164	10264	4.526	ug/l	92
65) Chlorobenzene	10.061	112	32752	4.682	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.146	131	11263	4.628	ug/l	97
67) Ethyl Benzene	10.177	91	52936	4.606	ug/l	100
68) m/p-Xylenes	10.281	106	39563	8.937	ug/l	96
69) o-Xylene	10.622	106	19145	4.489	ug/l	100
70) Styrene	10.640	104	32011	4.466	ug/l	99
71) Bromoform	10.780	173	9980	4.502	ug/l #	99
73) Isopropylbenzene	10.945	105	47857	4.388	ug/l	99
74) N-amyl acetate	10.829	43	21380	4.343	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.195	83	17431	4.668	ug/l	99
76) 1,2,3-Trichloropropane	11.225	75	15179m	3.781	ug/l	
77) Bromobenzene	11.183	156	13678	4.654	ug/l	95
78) n-propylbenzene	11.286	91	56015	4.386	ug/l	100
79) 2-Chlorotoluene	11.347	91	34935	4.501	ug/l	99
80) 1,3,5-Trimethylbenzene	11.433	105	39927	4.476	ug/l	97
81) trans-1,4-Dichloro-2-b...	11.000	75	5052	3.963	ug/l #	91
82) 4-Chlorotoluene	11.439	91	41196	4.564	ug/l	98
83) tert-Butylbenzene	11.695	119	41719	4.509	ug/l	100
84) 1,2,4-Trimethylbenzene	11.732	105	39057	4.395	ug/l	99
85) sec-Butylbenzene	11.872	105	49601	4.429	ug/l	97
86) p-Isopropyltoluene	11.994	119	41319	4.466	ug/l	97
87) 1,3-Dichlorobenzene	11.951	146	24963	4.667	ug/l	96
88) 1,4-Dichlorobenzene	12.024	146	24950	4.570	ug/l	94
89) n-Butylbenzene	12.317	91	37167	4.265	ug/l	99
90) Hexachloroethane	12.518	117	8147	4.374	ug/l	97
91) 1,2-Dichlorobenzene	12.317	146	22948	4.607	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.926	75	3900	4.596	ug/l	91
93) 1,2,4-Trichlorobenzene	13.567	180	12953	4.085	ug/l	94
94) Hexachlorobutadiene	13.707	225	5896	4.466	ug/l	96
95) Naphthalene	13.756	128	37160	3.839	ug/l	99
96) 1,2,3-Trichlorobenzene	13.945	180	12257	4.187	ug/l	98

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(#) = qualifier out of range (m) = manual integration (+) = signals summed

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