

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112625\
 Data File : VX048686.D
 Acq On : 26 Nov 2025 09:34
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Quant Time: Nov 27 01:28:45 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 08 05:08:11 2025
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :John Carlone 12/01/2025
 Supervised By :Semsettin Yesilyurt 12/01/2025

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

Internal Standards						
1) Pentafluorobenzene	5.531	168	143762	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.739	114	235327	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	214171	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	110369	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.934	65	111996	55.908	ug/l	-0.01
Spiked Amount 50.000	Range 78 - 117		Recovery = 111.820%			
35) Dibromofluoromethane	5.361	113	90990	51.086	ug/l	-0.01
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.180%			
50) Toluene-d8	8.628	98	294211	52.964	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 105.920%			
62) 4-Bromofluorobenzene	11.061	95	113171	54.668	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 109.340%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.172	85	49468	42.465	ug/l	100
3) Chloromethane	1.300	50	61173	39.593	ug/l	99
4) Vinyl Chloride	1.380	62	78119	44.656	ug/l	97
5) Bromomethane	1.611	94	55066	49.850	ug/l	98
6) Chloroethane	1.691	64	51313	44.790	ug/l	98
7) Trichlorofluoromethane	1.892	101	128905	46.577	ug/l	99
8) Diethyl Ether	2.130	74	55898	50.317	ug/l	89
9) 1,1,2-Trichlorotrifluo...	2.331	101	80754	50.402	ug/l	100
10) Methyl Iodide	2.453	142	101210	42.684	ug/l	100
11) Tert butyl alcohol	2.940	59	103247	272.000	ug/l	98
12) 1,1-Dichloroethene	2.319	96	77236	46.151	ug/l	98
13) Acrolein	2.233	56	13414	244.242	ug/l	92
14) Allyl chloride	2.660	41	123281	39.565	ug/l	98
15) Acrylonitrile	3.050	53	267336	241.257	ug/l	98
16) Acetone	2.367	43	188617	198.915	ug/l	99
17) Carbon Disulfide	2.514	76	149479	31.741	ug/l	99
18) Methyl Acetate	2.697	43	121206	46.513	ug/l	95
19) Methyl tert-butyl Ether	3.105	73	289917	49.057	ug/l	99
20) Methylene Chloride	2.788	84	84282	43.233	ug/l	95
21) trans-1,2-Dichloroethene	3.087	96	73795	41.604	ug/l	95
22) Diisopropyl ether	3.745	45	270270	45.172	ug/l	96
23) Vinyl Acetate	3.709	43	1161665	221.689	ug/l	99
24) 1,1-Dichloroethane	3.599	63	143001	43.559	ug/l	99
25) 2-Butanone	4.532	43	400965	285.844	ug/l	97
26) 2,2-Dichloropropane	4.465	77	128287	45.837	ug/l	99
27) cis-1,2-Dichloroethene	4.477	96	103623	47.794	ug/l	100
28) Bromochloromethane	4.879	49	86352	53.543	ug/l	95
29) Tetrahydrofuran	4.977	42	295784	295.648	ug/l	97
30) Chloroform	5.074	83	182735	53.917	ug/l	100
31) Cyclohexane	5.452	56	123030	45.737	ug/l	99
32) 1,1,1-Trichloroethane	5.367	97	153910	52.035	ug/l	99
36) 1,1-Dichloropropene	5.672	75	109081	45.737	ug/l	98
37) Ethyl Acetate	4.690	43	192536	57.350	ug/l	99
38) Carbon Tetrachloride	5.659	117	132031	48.632	ug/l	97
39) Methylcyclohexane	7.360	83	125043	46.694	ug/l	99
40) Benzene	6.019	78	353666	47.838	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.897	41	87046	58.958	ug/l	95
42) 1,2-Dichloroethane	6.062	62	138721	54.765	ug/l	98
43) Isopropyl Acetate	6.318	43	268627	56.922	ug/l	98
44) Trichloroethene	7.104	130	89250	50.506	ug/l	100
45) 1,2-Dichloropropane	7.409	63	95876	56.403	ug/l	97
46) Dibromomethane	7.562	93	72139	58.185	ug/l	96
47) Bromodichloromethane	7.805	83	150686	60.923	ug/l	98
48) Methyl methacrylate	7.671	41	131923	62.885	ug/l	95
49) 1,4-Dioxane	7.641	88	43337	1355.725	ug/l	98
51) 4-Methyl-2-Pentanone	8.555	43	887991	330.562	ug/l	98
52) Toluene	8.702	92	222023	57.042	ug/l	100
53) t-1,3-Dichloropropene	8.964	75	155710	61.097	ug/l	100
54) cis-1,3-Dichloropropene	8.348	75	160609	60.860	ug/l	97
55) 1,1,2-Trichloroethane	9.134	97	97707	62.831	ug/l	96
56) Ethyl methacrylate	9.098	69	165532	63.980	ug/l	96
57) 1,3-Dichloropropane	9.293	76	163591	60.438	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.220	63	444138	319.300	ug/l	98
59) 2-Hexanone	9.409	43	647005	323.789	ug/l	97
60) Dibromochloromethane	9.506	129	118944	62.297	ug/l	99
61) 1,2-Dibromoethane	9.592	107	102480	60.844	ug/l	99
64) Tetrachloroethene	9.256	164	74129	47.654	ug/l	98
65) Chlorobenzene	10.061	112	253240	49.817	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.146	131	94559	55.516	ug/l	99
67) Ethyl Benzene	10.177	91	421185	49.341	ug/l	98
68) m/p-Xylenes	10.281	106	323649	100.670	ug/l	98
69) o-Xylene	10.622	106	158866	50.506	ug/l	99
70) Styrene	10.634	104	278162	52.717	ug/l	99
71) Bromoform	10.780	173	84907	54.033	ug/l #	99
73) Isopropylbenzene	10.945	105	404228	50.457	ug/l	99
74) N-amyl acetate	10.823	43	218275	54.263	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.195	83	153381	54.291	ug/l	99
76) 1,2,3-Trichloropropane	11.219	75	125929m	47.360	ug/l	
77) Bromobenzene	11.177	156	104452	50.492	ug/l	95
78) n-propylbenzene	11.286	91	474986	50.423	ug/l	100
79) 2-Chlorotoluene	11.347	91	284555	49.990	ug/l	100
80) 1,3,5-Trimethylbenzene	11.433	105	335122	51.313	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.000	75	52926	56.934	ug/l #	68
82) 4-Chlorotoluene	11.433	91	342569	51.306	ug/l	99
83) tert-Butylbenzene	11.695	119	351685	52.063	ug/l	98
84) 1,2,4-Trimethylbenzene	11.732	105	342303	51.946	ug/l	99
85) sec-Butylbenzene	11.872	105	418706	50.152	ug/l	98
86) p-Isopropyltoluene	11.988	119	355880	50.702	ug/l	98
87) 1,3-Dichlorobenzene	11.951	146	195006	50.295	ug/l	99
88) 1,4-Dichlorobenzene	12.024	146	200535	50.073	ug/l	98
89) n-Butylbenzene	12.311	91	335587	50.966	ug/l	99
90) Hexachloroethane	12.518	117	68776	51.429	ug/l	100
91) 1,2-Dichlorobenzene	12.317	146	190402	51.155	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.920	75	37350	56.889	ug/l	96
93) 1,2,4-Trichlorobenzene	13.567	180	126173	51.013	ug/l	99
94) Hexachlorobutadiene	13.707	225	50265	48.615	ug/l	97
95) Naphthalene	13.756	128	456729	57.435	ug/l	100
96) 1,2,3-Trichlorobenzene	13.938	180	128117	55.689	ug/l	99

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

