

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120525\
 Data File : VX048740.D
 Acq On : 05 Dec 2025 16:36
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/08/2025
 Supervised By : Semsettin Yesilyurt 12/08/2025

Quant Time: Dec 05 22:07:32 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X120425W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 05 03:27:34 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.537	168	146860	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	259312	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	232710	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	118675	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	109715	55.661	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 111.320%			
35) Dibromofluoromethane	5.379	113	84200	47.159	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 94.320%			
50) Toluene-d8	8.634	98	296216	47.329	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 94.660%			
62) 4-Bromofluorobenzene	11.061	95	107394	49.762	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 99.520%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.172	85	86537	57.832	ug/l	99
3) Chloromethane	1.300	50	89625	47.465	ug/l	99
4) Vinyl Chloride	1.380	62	91462	45.482	ug/l	99
5) Bromomethane	1.617	94	61472	49.465	ug/l	99
6) Chloroethane	1.697	64	57375	45.842	ug/l	96
7) Trichlorofluoromethane	1.898	101	135315	46.949	ug/l	98
8) Diethyl Ether	2.136	74	55286	48.059	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.337	101	75790	45.360	ug/l	99
10) Methyl Iodide	2.459	142	109603	46.077	ug/l	98
11) Tert butyl alcohol	2.934	59	80551	253.115	ug/l	98
12) 1,1-Dichloroethene	2.325	96	78469	46.013	ug/l	99
13) Acrolein	2.233	56	70324	232.271	ug/l	98
14) Allyl chloride	2.666	41	151729	52.994	ug/l	98
15) Acrylonitrile	3.056	53	276912	279.254	ug/l	99
16) Acetone	2.373	43	275909	365.641	ug/l	98
17) Carbon Disulfide	2.520	76	228869	46.214	ug/l	99
18) Methyl Acetate	2.697	43	116993	55.104	ug/l	99
19) Methyl tert-butyl Ether	3.105	73	285946	51.522	ug/l	98
20) Methylene Chloride	2.788	84	91817	48.681	ug/l	98
21) trans-1,2-Dichloroethene	3.093	96	84748	48.691	ug/l	96
22) Diisopropyl ether	3.751	45	293992	54.942	ug/l	95
23) Vinyl Acetate	3.715	43	1320599	293.715	ug/l	96
24) 1,1-Dichloroethane	3.605	63	156438	52.426	ug/l	98
25) 2-Butanone	4.538	43	360384	323.591	ug/l	95
26) 2,2-Dichloropropane	4.464	77	125782	47.640	ug/l	98
27) cis-1,2-Dichloroethene	4.483	96	95213	48.477	ug/l	91
28) Bromochloromethane	4.891	49	74113	50.674	ug/l	83
29) Tetrahydrofuran	4.983	42	228227	268.377	ug/l	93
30) Chloroform	5.080	83	155184	48.536	ug/l	100
31) Cyclohexane	5.464	56	116845	43.858	ug/l	96
32) 1,1,1-Trichloroethane	5.373	97	134868	47.078	ug/l	97
36) 1,1-Dichloropropene	5.684	75	99137	40.539	ug/l	98
37) Ethyl Acetate	4.696	43	152243	52.101	ug/l	96
38) Carbon Tetrachloride	5.672	117	116716	42.136	ug/l	92
39) Methylcyclohexane	7.366	83	114606	39.633	ug/l	96
40) Benzene	6.025	78	316576	43.669	ug/l	100

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41) Methacrylonitrile	4.897	41	67732	50.945	ug/l	97
42) 1,2-Dichloroethane	6.074	62	120747	47.059	ug/l	96
43) Isopropyl Acetate	6.324	43	214251	48.422	ug/l	97
44) Trichloroethene	7.110	130	84043	44.430	ug/l	97
45) 1,2-Dichloropropane	7.415	63	77525	42.786	ug/l	99
46) Dibromomethane	7.568	93	60592	44.097	ug/l	97
47) Bromodichloromethane	7.805	83	121432	42.388	ug/l	97
48) Methyl methacrylate	7.677	41	92028	41.346	ug/l	97
49) 1,4-Dioxane	7.641	88	24618	804.214	ug/l	96
51) 4-Methyl-2-Pentanone	8.555	43	607589	221.232	ug/l	97
52) Toluene	8.702	92	195236	44.661	ug/l	100
53) t-1,3-Dichloropropene	8.964	75	121940	44.742	ug/l	98
54) cis-1,3-Dichloropropene	8.354	75	129815	44.320	ug/l	96
55) 1,1,2-Trichloroethane	9.134	97	79513	45.206	ug/l	98
56) Ethyl methacrylate	9.098	69	129723	47.119	ug/l	96
57) 1,3-Dichloropropane	9.293	76	131408	44.930	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.226	63	314373	211.270	ug/l	98
59) 2-Hexanone	9.415	43	461250	239.249	ug/l	98
60) Dibromochloromethane	9.506	129	99424	45.713	ug/l	99
61) 1,2-Dibromoethane	9.592	107	87788	46.115	ug/l	100
64) Tetrachloroethene	9.256	164	68189	40.200	ug/l	97
65) Chlorobenzene	10.061	112	218498	42.895	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.146	131	81037	44.479	ug/l	98
67) Ethyl Benzene	10.177	91	365527	43.976	ug/l	98
68) m/p-Xylenes	10.287	106	284942	88.005	ug/l	97
69) o-Xylene	10.622	106	138001	45.485	ug/l	98
70) Styrene	10.640	104	236509	45.409	ug/l	99
71) Bromoform	10.780	173	71851	44.174	ug/l #	100
73) Isopropylbenzene	10.945	105	344049	43.020	ug/l	100
74) N-amyl acetate	10.823	43	156985	45.178	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.195	83	118123	43.775	ug/l	98
76) 1,2,3-Trichloropropane	11.219	75	109425m	49.506	ug/l	
77) Bromobenzene	11.183	156	94152	44.109	ug/l	94
78) n-propylbenzene	11.286	91	417072	45.029	ug/l	99
79) 2-Chlorotoluene	11.347	91	249761	44.221	ug/l	100
80) 1,3,5-Trimethylbenzene	11.433	105	286558	43.592	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.000	75	41903	45.032	ug/l #	77
82) 4-Chlorotoluene	11.439	91	295401	44.819	ug/l	99
83) tert-Butylbenzene	11.695	119	285528	41.802	ug/l	100
84) 1,2,4-Trimethylbenzene	11.731	105	291516	43.962	ug/l	99
85) sec-Butylbenzene	11.872	105	353950	42.758	ug/l	100
86) p-Isopropyltoluene	11.994	119	309661	43.763	ug/l	99
87) 1,3-Dichlorobenzene	11.951	146	167892	42.666	ug/l	99
88) 1,4-Dichlorobenzene	12.024	146	176369	43.373	ug/l	100
89) n-Butylbenzene	12.311	91	265012	40.002	ug/l	99
90) Hexachloroethane	12.518	117	55867	38.685	ug/l	94
91) 1,2-Dichlorobenzene	12.317	146	162818	42.679	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.920	75	27010	41.128	ug/l	93
93) 1,2,4-Trichlorobenzene	13.567	180	104907	41.636	ug/l	98
94) Hexachlorobutadiene	13.707	225	40286	38.655	ug/l	96
95) Naphthalene	13.756	128	349844	49.179	ug/l	100
96) 1,2,3-Trichlorobenzene	13.938	180	101861	43.837	ug/l	98

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

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