

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112125\
 Data File : VX048641.D
 Acq On : 21 Nov 2025 09:08
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/24/2025
 Supervised By : Mahesh Dadoda 11/24/2025

Quant Time: Nov 21 22:06:52 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

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

Internal Standards						
1) Pentafluorobenzene	5.531	168	165802	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.739	114	262765	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	235899	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.000	152	125375	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.928	65	117461	50.842	ug/l	-0.02
Spiked Amount 50.000	Range 78 - 117		Recovery = 101.680%			
35) Dibromofluoromethane	5.367	113	97622	49.087	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.180%			
50) Toluene-d8	8.628	98	325415	52.464	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 104.920%			
62) 4-Bromofluorobenzene	11.061	95	123540	53.445	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 106.900%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.173	85	69797	51.951	ug/l	97
3) Chloromethane	1.301	50	74862	42.012	ug/l	97
4) Vinyl Chloride	1.380	62	96674	47.917	ug/l	97
5) Bromomethane	1.611	94	58357	45.807	ug/l	96
6) Chloroethane	1.691	64	56183	42.522	ug/l	96
7) Trichlorofluoromethane	1.892	101	149931	46.973	ug/l	100
8) Diethyl Ether	2.130	74	54956	42.893	ug/l	94
9) 1,1,2-Trichlorotrifluo...	2.331	101	98112	53.096	ug/l	98
10) Methyl Iodide	2.453	142	130114	47.580	ug/l	100
11) Tert butyl alcohol	2.934	59	114258	260.995	ug/l	98
12) 1,1-Dichloroethene	2.319	96	89162	46.195	ug/l	96
13) Acrolein	2.233	56	14465	228.368	ug/l	91
14) Allyl chloride	2.660	41	168018	46.755	ug/l	99
15) Acrylonitrile	3.050	53	331251	259.200	ug/l	99
16) Acetone	2.367	43	228670	209.099	ug/l	99
17) Carbon Disulfide	2.514	76	223980	41.238	ug/l	99
18) Methyl Acetate	2.691	43	146761	48.833	ug/l	99
19) Methyl tert-butyl Ether	3.099	73	348713	51.162	ug/l	99
20) Methylene Chloride	2.782	84	107242	47.698	ug/l	97
21) trans-1,2-Dichloroethene	3.087	96	97026	47.430	ug/l	97
22) Diisopropyl ether	3.745	45	357493	51.808	ug/l	95
23) Vinyl Acetate	3.709	43	1535926	254.149	ug/l	99
24) 1,1-Dichloroethane	3.599	63	183152	48.373	ug/l	99
25) 2-Butanone	4.526	43	365805	226.114	ug/l	97
26) 2,2-Dichloropropane	4.458	77	160786	49.812	ug/l	98
27) cis-1,2-Dichloroethene	4.471	96	111643	44.648	ug/l	94
28) Bromochloromethane	4.879	49	87502	47.044	ug/l	97
29) Tetrahydrofuran	4.977	42	261645	226.760	ug/l	99
30) Chloroform	5.074	83	190100	48.634	ug/l	96
31) Cyclohexane	5.452	56	142771	46.021	ug/l	100
32) 1,1,1-Trichloroethane	5.367	97	170121	49.870	ug/l	99
36) 1,1-Dichloropropene	5.672	75	121610	45.666	ug/l	99
37) Ethyl Acetate	4.684	43	160025	42.689	ug/l	96
38) Carbon Tetrachloride	5.660	117	147713	48.727	ug/l	98
39) Methylcyclohexane	7.360	83	147285	49.257	ug/l	99
40) Benzene	6.019	78	371515	45.005	ug/l	98

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41) Methacrylonitrile	4.891	41	81982	49.730	ug/l	95
42) 1,2-Dichloroethane	6.062	62	142161	50.263	ug/l	97
43) Isopropyl Acetate	6.318	43	251531	47.734	ug/l	99
44) Trichloroethene	7.104	130	95926	48.616	ug/l	90
45) 1,2-Dichloropropane	7.409	63	95294	50.206	ug/l	95
46) Dibromomethane	7.562	93	72982	52.719	ug/l	97
47) Bromodichloromethane	7.799	83	152885	55.358	ug/l	98
48) Methyl methacrylate	7.671	41	124745	53.254	ug/l	95
49) 1,4-Dioxane	7.641	88	41733	1169.221	ug/l	95
51) 4-Methyl-2-Pentanone	8.555	43	830144	276.759	ug/l	99
52) Toluene	8.702	92	235955	54.292	ug/l	100
53) t-1,3-Dichloropropene	8.958	75	155065	54.490	ug/l	100
54) cis-1,3-Dichloropropene	8.348	75	161344	54.755	ug/l	96
55) 1,1,2-Trichloroethane	9.134	97	97896	56.379	ug/l	98
56) Ethyl methacrylate	9.098	69	163057	56.443	ug/l	96
57) 1,3-Dichloropropane	9.293	76	163380	54.057	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.220	63	440769	283.789	ug/l	99
59) 2-Hexanone	9.409	43	607109	272.098	ug/l	98
60) Dibromochloromethane	9.500	129	121704	57.087	ug/l	98
61) 1,2-Dibromoethane	9.592	107	103217	54.883	ug/l	100
64) Tetrachloroethene	9.256	164	80887	47.209	ug/l	94
65) Chlorobenzene	10.061	112	267037	47.693	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.147	131	97653	52.052	ug/l	99
67) Ethyl Benzene	10.177	91	455038	48.397	ug/l	98
68) m/p-Xylenes	10.281	106	349467	98.689	ug/l	97
69) o-Xylene	10.622	106	170714	49.274	ug/l	100
70) Styrene	10.634	104	292981	50.411	ug/l	99
71) Bromoform	10.781	173	86299	49.860	ug/l #	99
73) Isopropylbenzene	10.945	105	449572	49.401	ug/l	99
74) N-amyl acetate	10.823	43	212984	46.610	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.195	83	150331	46.842	ug/l	99
76) 1,2,3-Trichloropropane	11.219	75	144332m	47.785	ug/l	
77) Bromobenzene	11.177	156	111069	47.264	ug/l	99
78) n-propylbenzene	11.287	91	527451	49.291	ug/l	100
79) 2-Chlorotoluene	11.348	91	312507	48.330	ug/l	99
80) 1,3,5-Trimethylbenzene	11.433	105	365358	49.247	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.000	75	51625	48.888	ug/l #	79
82) 4-Chlorotoluene	11.433	91	368235	48.549	ug/l	100
83) tert-Butylbenzene	11.695	119	376969	49.127	ug/l	97
84) 1,2,4-Trimethylbenzene	11.732	105	368114	49.177	ug/l	99
85) sec-Butylbenzene	11.872	105	473697	49.947	ug/l	100
86) p-Isopropyltoluene	11.988	119	399435	50.096	ug/l	99
87) 1,3-Dichlorobenzene	11.951	146	205748	46.714	ug/l	98
88) 1,4-Dichlorobenzene	12.024	146	210178	46.200	ug/l	100
89) n-Butylbenzene	12.311	91	373206	49.895	ug/l	100
90) Hexachloroethane	12.518	117	74749	49.205	ug/l	99
91) 1,2-Dichlorobenzene	12.317	146	200374	47.391	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.920	75	35521	47.628	ug/l	98
93) 1,2,4-Trichlorobenzene	13.567	180	130455	46.431	ug/l	100
94) Hexachlorobutadiene	13.707	225	59503	50.662	ug/l	98
95) Naphthalene	13.756	128	475597	52.649	ug/l	99
96) 1,2,3-Trichlorobenzene	13.938	180	127205	48.674	ug/l	99

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

