

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112525\
 Data File : VX048672.D
 Acq On : 25 Nov 2025 09:48
 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 11/26/2025
 Supervised By :Mahesh Dadoda 11/26/2025

Quant Time: Nov 26 00:52:57 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	5.525	168	150094	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	6.739	114	259657	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	217303	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.000	152	114893	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.934	65	99359	47.507	ug/l	-0.01
Spiked Amount 50.000	Range 78 - 117		Recovery =	95.020%		
35) Dibromofluoromethane	5.361	113	82600	42.030	ug/l	-0.01
Spiked Amount 50.000	Range 75 - 124		Recovery =	84.060%		
50) Toluene-d8	8.629	98	268427	43.794	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	87.580%#		
62) 4-Bromofluorobenzene	11.061	95	103115	45.143	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	90.280%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.173	85	61959	50.944	ug/l	99
3) Chloromethane	1.301	50	72542	44.970	ug/l	99
4) Vinyl Chloride	1.380	62	79088	43.303	ug/l	100
5) Bromomethane	1.611	94	55264	47.919	ug/l	92
6) Chloroethane	1.691	64	51909	43.398	ug/l	99
7) Trichlorofluoromethane	1.892	101	137952	47.743	ug/l	100
8) Diethyl Ether	2.130	74	57305	49.408	ug/l	94
9) 1,1,2-Trichlorotrifluo...	2.331	101	91534	54.720	ug/l	99
10) Methyl Iodide	2.453	142	121853	49.222	ug/l	100
11) Tert butyl alcohol	2.934	59	123729	312.208	ug/l	97
12) 1,1-Dichloroethene	2.319	96	86318	49.402	ug/l	92
13) Acrolein	2.233	56	18011	314.109	ug/l	97
14) Allyl chloride	2.660	41	163153	50.153	ug/l	99
15) Acrylonitrile	3.050	53	340970	294.727	ug/l	100
16) Acetone	2.367	43	235883	238.268	ug/l	100
17) Carbon Disulfide	2.514	76	198321	40.336	ug/l	98
18) Methyl Acetate	2.697	43	159729	58.710	ug/l	99
19) Methyl tert-butyl Ether	3.099	73	354535	57.460	ug/l	99
20) Methylene Chloride	2.782	84	104022	51.108	ug/l	92
21) trans-1,2-Dichloroethene	3.087	96	90979	49.128	ug/l	99
22) Diisopropyl ether	3.745	45	339010	54.271	ug/l	99
23) Vinyl Acetate	3.709	43	1491458	272.618	ug/l	100
24) 1,1-Dichloroethane	3.599	63	175996	51.348	ug/l	99
25) 2-Butanone	4.532	43	403609	275.591	ug/l	98
26) 2,2-Dichloropropane	4.459	77	153683	52.594	ug/l	99
27) cis-1,2-Dichloroethene	4.471	96	113644	50.205	ug/l	98
28) Bromochloromethane	4.879	49	129665	77.008	ug/l	100
29) Tetrahydrofuran	4.977	42	279786	267.859	ug/l	99
30) Chloroform	5.074	83	189796	53.638	ug/l	96
31) Cyclohexane	5.452	56	129946	46.271	ug/l	94
32) 1,1,1-Trichloroethane	5.367	97	164383	53.231	ug/l	100
36) 1,1-Dichloropropene	5.678	75	115113	43.743	ug/l	98
37) Ethyl Acetate	4.684	43	189772	51.231	ug/l	100
38) Carbon Tetrachloride	5.660	117	142421	47.543	ug/l	99
39) Methylcyclohexane	7.360	83	137017	46.371	ug/l	96
40) Benzene	6.019	78	363579	44.571	ug/l	97

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.891	41	84855	52.089	ug/l	98
42) 1,2-Dichloroethane	6.068	62	140853	50.396	ug/l	99
43) Isopropyl Acetate	6.312	43	254892	48.951	ug/l	99
44) Trichloroethene	7.104	130	91660	47.010	ug/l	98
45) 1,2-Dichloropropane	7.409	63	97917	52.206	ug/l	98
46) Dibromomethane	7.562	93	74141	54.197	ug/l	97
47) Bromodichloromethane	7.799	83	155793	57.086	ug/l	99
48) Methyl methacrylate	7.671	41	132197	57.111	ug/l	97
49) 1,4-Dioxane	7.641	88	45216	1281.966	ug/l	98
51) 4-Methyl-2-Pentanone	8.555	43	896054	302.309	ug/l	99
52) Toluene	8.702	92	229826	53.514	ug/l	100
53) t-1,3-Dichloropropene	8.958	75	157151	55.884	ug/l	100
54) cis-1,3-Dichloropropene	8.348	75	165208	56.737	ug/l	98
55) 1,1,2-Trichloroethane	9.135	97	101162	58.957	ug/l	98
56) Ethyl methacrylate	9.098	69	169478	59.368	ug/l	97
57) 1,3-Dichloropropane	9.287	76	167687	56.147	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.220	63	419414	273.272	ug/l	99
59) 2-Hexanone	9.409	43	653301	296.306	ug/l	98
60) Dibromochloromethane	9.506	129	124889	59.282	ug/l	99
61) 1,2-Dibromoethane	9.592	107	106508	57.310	ug/l	99
64) Tetrachloroethene	9.256	164	79609	50.439	ug/l	98
65) Chlorobenzene	10.061	112	263559	51.100	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.147	131	97940	56.672	ug/l	99
67) Ethyl Benzene	10.177	91	443778	51.238	ug/l	97
68) m/p-Xylenes	10.281	106	341983	104.840	ug/l	98
69) o-Xylene	10.622	106	167589	52.512	ug/l	99
70) Styrene	10.634	104	294678	55.042	ug/l	99
71) Bromoform	10.781	173	89325	56.025	ug/l #	98
73) Isopropylbenzene	10.945	105	429714	51.527	ug/l	98
74) N-amyl acetate	10.823	43	222418	53.115	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.195	83	155698	52.941	ug/l	98
76) 1,2,3-Trichloropropane	11.220	75	128957m	46.589	ug/l	
77) Bromobenzene	11.177	156	110603	51.360	ug/l	99
78) n-propylbenzene	11.287	91	505897	51.590	ug/l	100
79) 2-Chlorotoluene	11.348	91	302426	51.038	ug/l	99
80) 1,3,5-Trimethylbenzene	11.433	105	351421	51.690	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.000	75	54847	56.677	ug/l #	83
82) 4-Chlorotoluene	11.433	91	355897	51.203	ug/l	100
83) tert-Butylbenzene	11.695	119	371014	52.762	ug/l	98
84) 1,2,4-Trimethylbenzene	11.732	105	356756	52.008	ug/l	100
85) sec-Butylbenzene	11.872	105	449565	51.727	ug/l	100
86) p-Isopropyltoluene	11.988	119	382972	52.414	ug/l	99
87) 1,3-Dichlorobenzene	11.951	146	204683	50.712	ug/l	99
88) 1,4-Dichlorobenzene	12.024	146	209755	50.313	ug/l	100
89) n-Butylbenzene	12.311	91	359622	52.465	ug/l	99
90) Hexachloroethane	12.518	117	73687	52.931	ug/l	98
91) 1,2-Dichlorobenzene	12.317	146	201679	52.051	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.920	75	31400	45.943	ug/l	91
93) 1,2,4-Trichlorobenzene	13.567	180	125421	48.712	ug/l	99
94) Hexachlorobutadiene	13.707	225	51519	47.866	ug/l	99
95) Naphthalene	13.756	128	416698	50.337	ug/l	100
96) 1,2,3-Trichlorobenzene	13.939	180	122416	51.115	ug/l	99

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

