

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100225\
 Data File : VX047953.D
 Acq On : 02 Oct 2025 08:50
 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 10/03/2025
 Supervised By : Mahesh Dadoda 10/03/2025

Quant Time: Oct 03 03:24:12 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 17 06:39:58 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.532	168	140837	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	6.739	114	255190	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	226757	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.000	152	107762	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.934	65	119342	53.236	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 106.480%			
35) Dibromofluoromethane	5.367	113	94277	55.086	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 110.180%			
50) Toluene-d8	8.629	98	311220	52.554	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 105.100%			
62) 4-Bromofluorobenzene	11.061	95	112989	50.274	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 100.540%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.179	85	85539	58.653	ug/l	99
3) Chloromethane	1.301	50	103928	54.222	ug/l	100
4) Vinyl Chloride	1.380	62	108939	58.062	ug/l	98
5) Bromomethane	1.618	94	74517	62.632	ug/l	98
6) Chloroethane	1.697	64	72180	57.559	ug/l	99
7) Trichlorofluoromethane	1.892	101	166147	59.639	ug/l	100
8) Diethyl Ether	2.136	74	65916	57.841	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.331	101	90993	55.859	ug/l	99
10) Methyl Iodide	2.453	142	126895	49.948	ug/l	99
11) Tert butyl alcohol	2.934	59	49600	198.659	ug/l	98
12) 1,1-Dichloroethene	2.325	96	95037	56.796	ug/l	95
13) Acrolein	2.233	56	49937	217.044	ug/l	99
14) Allyl chloride	2.666	41	173030	50.112	ug/l	100
15) Acrylonitrile	3.050	53	246416	266.451	ug/l	99
16) Acetone	2.374	43	193278	198.289	ug/l	96
17) Carbon Disulfide	2.514	76	240354	52.470	ug/l	99
18) Methyl Acetate	2.697	43	119385	55.035	ug/l	99
19) Methyl tert-butyl Ether	3.105	73	338102	55.352	ug/l	99
20) Methylene Chloride	2.788	84	118201	57.289	ug/l	96
21) trans-1,2-Dichloroethene	3.087	96	100188	55.614	ug/l	97
22) Diisopropyl ether	3.745	45	389705	58.236	ug/l	94
23) Vinyl Acetate	3.709	43	1443555	269.534	ug/l	99
24) 1,1-Dichloroethane	3.605	63	207991	58.478	ug/l	98
25) 2-Butanone	4.532	43	272429	224.064	ug/l	99
26) 2,2-Dichloropropane	4.459	77	90997	30.778	ug/l	95
27) cis-1,2-Dichloroethene	4.477	96	124952	56.636	ug/l	95
28) Bromochloromethane	4.873	49	88293	56.862	ug/l	99
29) Tetrahydrofuran	4.983	42	171076	233.893	ug/l	100
30) Chloroform	5.074	83	211945	58.969	ug/l	96
31) Cyclohexane	5.452	56	145363	49.071	ug/l	94
32) 1,1,1-Trichloroethane	5.367	97	174234	57.151	ug/l	99
36) 1,1-Dichloropropene	5.672	75	128140	51.239	ug/l	99
37) Ethyl Acetate	4.684	43	125401	46.832	ug/l	99
38) Carbon Tetrachloride	5.660	117	145807	53.661	ug/l	96
39) Methylcyclohexane	7.360	83	129139	45.491	ug/l	96
40) Benzene	6.019	78	412588	54.319	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.897	41	69084	49.975	ug/l	99
42) 1,2-Dichloroethane	6.062	62	158621	54.885	ug/l	100
43) Isopropyl Acetate	6.318	43	210358	47.901	ug/l	99
44) Trichloroethene	7.104	130	98149	53.448	ug/l	99
45) 1,2-Dichloropropane	7.409	63	109011	56.048	ug/l	98
46) Dibromomethane	7.562	93	75995	53.694	ug/l	98
47) Bromodichloromethane	7.799	83	166380	56.967	ug/l	100
48) Methyl methacrylate	7.671	41	105367	48.168	ug/l	98
49) 1,4-Dioxane	7.641	88	23633	1069.039	ug/l	98
51) 4-Methyl-2-Pentanone	8.555	43	581711	238.909	ug/l	99
52) Toluene	8.702	92	249080	53.226	ug/l	100
53) t-1,3-Dichloropropene	8.958	75	145506	48.842	ug/l	99
54) cis-1,3-Dichloropropene	8.348	75	159868	50.207	ug/l	97
55) 1,1,2-Trichloroethane	9.134	97	97722	54.156	ug/l	98
56) Ethyl methacrylate	9.098	69	143453	50.622	ug/l	99
57) 1,3-Dichloropropane	9.293	76	169848	54.794	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.220	63	379885	278.455	ug/l	99
59) 2-Hexanone	9.409	43	380701	217.702	ug/l	99
60) Dibromochloromethane	9.500	129	120224	57.824	ug/l	100
61) 1,2-Dibromoethane	9.592	107	98050	53.348	ug/l	98
64) Tetrachloroethene	9.256	164	79519	53.794	ug/l	97
65) Chlorobenzene	10.061	112	276438	53.662	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.147	131	100467	56.517	ug/l	99
67) Ethyl Benzene	10.177	91	468591	52.719	ug/l	100
68) m/p-Xylenes	10.281	106	349533	105.651	ug/l	100
69) o-Xylene	10.622	106	169967	53.115	ug/l	99
70) Styrene	10.634	104	299893	53.486	ug/l	99
71) Bromoform	10.781	173	70807	53.345	ug/l #	99
73) Isopropylbenzene	10.945	105	430684	52.569	ug/l	99
74) N-amyl acetate	10.823	43	177201	47.430	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.195	83	126599	51.074	ug/l	98
76) 1,2,3-Trichloropropane	11.220	75	99831m	45.755	ug/l	
77) Bromobenzene	11.177	156	109754	54.392	ug/l	96
78) n-propylbenzene	11.287	91	501836	51.816	ug/l	99
79) 2-Chlorotoluene	11.348	91	311143	52.454	ug/l	99
80) 1,3,5-Trimethylbenzene	11.433	105	351942	52.286	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.000	75	32458	37.937	ug/l	99
82) 4-Chlorotoluene	11.433	91	364954	52.094	ug/l	99
83) tert-Butylbenzene	11.695	119	343802	49.895	ug/l	98
84) 1,2,4-Trimethylbenzene	11.732	105	352913	51.715	ug/l	100
85) sec-Butylbenzene	11.872	105	408309	49.888	ug/l	99
86) p-Isopropyltoluene	11.988	119	340551	49.149	ug/l	99
87) 1,3-Dichlorobenzene	11.951	146	194331	51.850	ug/l	99
88) 1,4-Dichlorobenzene	12.024	146	196020	50.959	ug/l	99
89) n-Butylbenzene	12.311	91	300893	46.931	ug/l	99
90) Hexachloroethane	12.518	117	65906	54.176	ug/l	98
91) 1,2-Dichlorobenzene	12.317	146	189358	53.032	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.920	75	22129	44.095	ug/l	97
93) 1,2,4-Trichlorobenzene	13.567	180	106258	45.789	ug/l	99
94) Hexachlorobutadiene	13.707	225	33069	41.953	ug/l	97
95) Naphthalene	13.756	128	319867	45.266	ug/l	100
96) 1,2,3-Trichlorobenzene	13.939	180	101535	47.036	ug/l	99

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

