

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092325\
 Data File : VX047746.D
 Acq On : 24 Sep 2025 02:08
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Quant Time: Sep 24 03:43:03 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

Manual Integrations APPROVED

Reviewed By : John Carlone 09/24/2025
 Supervised By : Mahesh Dadoda 09/26/2025

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

Internal Standards						
1) Pentafluorobenzene	5.532	168	166745	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	6.739	114	290663	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	252770	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	121948	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.934	65	143883	54.210	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 108.420%			
35) Dibromofluoromethane	5.361	113	115620	59.312	ug/l	-0.01
Spiked Amount 50.000	Range 75 - 124		Recovery = 118.620%			
50) Toluene-d8	8.629	98	385188	57.106	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 114.220%#			
62) 4-Bromofluorobenzene	11.061	95	143339	55.994	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 111.980%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.173	85	112040	64.888	ug/l	100
3) Chloromethane	1.301	50	130600	57.550	ug/l	100
4) Vinyl Chloride	1.380	62	131626	59.253	ug/l	99
5) Bromomethane	1.612	94	78027	55.392	ug/l	100
6) Chloroethane	1.691	64	81956	55.200	ug/l	99
7) Trichlorofluoromethane	1.892	101	183574	55.656	ug/l	98
8) Diethyl Ether	2.136	74	71840	53.244	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.331	101	109156	56.598	ug/l	98
10) Methyl Iodide	2.453	142	159713	53.098	ug/l	100
11) Tert butyl alcohol	2.941	59	74645	252.518	ug/l	99
12) 1,1-Dichloroethene	2.319	96	110500	55.777	ug/l	95
13) Acrolein	2.233	56	76283	280.037	ug/l	97
14) Allyl chloride	2.660	41	201882	49.383	ug/l	97
15) Acrylonitrile	3.050	53	308364	281.629	ug/l	99
16) Acetone	2.374	43	248054	214.945	ug/l	97
17) Carbon Disulfide	2.514	76	299474	55.218	ug/l	98
18) Methyl Acetate	2.697	43	144662	56.326	ug/l	100
19) Methyl tert-butyl Ether	3.105	73	375666	51.946	ug/l	100
20) Methylene Chloride	2.788	84	128569	52.632	ug/l	93
21) trans-1,2-Dichloroethene	3.087	96	115848	54.315	ug/l	98
22) Diisopropyl ether	3.745	45	417196	52.658	ug/l	88
23) Vinyl Acetate	3.709	43	1676763	264.433	ug/l	100
24) 1,1-Dichloroethane	3.599	63	224981	53.426	ug/l	100
25) 2-Butanone	4.532	43	365129	253.647	ug/l	98
26) 2,2-Dichloropropane	4.459	77	121706	34.769	ug/l	96
27) cis-1,2-Dichloroethene	4.477	96	135871	52.016	ug/l	95
28) Bromochloromethane	4.879	49	104808	57.010	ug/l	98
29) Tetrahydrofuran	4.983	42	236130	272.674	ug/l	99
30) Chloroform	5.068	83	221493	52.050	ug/l	97
31) Cyclohexane	5.452	56	179654	51.224	ug/l	96
32) 1,1,1-Trichloroethane	5.361	97	187296	51.890	ug/l	100
36) 1,1-Dichloropropene	5.672	75	146503	51.432	ug/l	99
37) Ethyl Acetate	4.690	43	157558	51.660	ug/l	99
38) Carbon Tetrachloride	5.660	117	160891	51.986	ug/l	97
39) Methylcyclohexane	7.361	83	167414	51.777	ug/l	99
40) Benzene	6.019	78	460455	53.223	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.891	41	87766	55.742	ug/l	97
42) 1,2-Dichloroethane	6.068	62	165276	50.209	ug/l	98
43) Isopropyl Acetate	6.318	43	257745	51.528	ug/l	99
44) Trichloroethene	7.104	130	112394	53.736	ug/l	99
45) 1,2-Dichloropropane	7.409	63	116449	52.565	ug/l	100
46) Dibromomethane	7.562	93	84502	52.418	ug/l	98
47) Bromodichloromethane	7.799	83	172703	51.915	ug/l	99
48) Methyl methacrylate	7.671	41	129497	51.974	ug/l	98
49) 1,4-Dioxane	7.641	88	32904	1306.764	ug/l	99
51) 4-Methyl-2-Pentanone	8.555	43	749272	270.171	ug/l	100
52) Toluene	8.702	92	276160	51.811	ug/l	99
53) t-1,3-Dichloropropene	8.958	75	163001	48.037	ug/l	97
54) cis-1,3-Dichloropropene	8.348	75	178505	49.218	ug/l	96
55) 1,1,2-Trichloroethane	9.135	97	107258	52.187	ug/l	98
56) Ethyl methacrylate	9.098	69	169567	52.534	ug/l	97
57) 1,3-Dichloropropane	9.287	76	186062	52.699	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.226	63	436211	280.568	ug/l	100
59) 2-Hexanone	9.415	43	518114	260.122	ug/l	98
60) Dibromochloromethane	9.500	129	125404	52.954	ug/l	99
61) 1,2-Dibromoethane	9.592	107	111139	53.090	ug/l	100
64) Tetrachloroethene	9.257	164	87453	53.073	ug/l	97
65) Chlorobenzene	10.061	112	297945	51.885	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.147	131	104386	52.679	ug/l	100
67) Ethyl Benzene	10.177	91	516414	52.120	ug/l	100
68) m/p-Xylenes	10.287	106	390979	106.017	ug/l	98
69) o-Xylene	10.622	106	187203	52.481	ug/l	99
70) Styrene	10.634	104	330686	52.908	ug/l	98
71) Bromoform	10.781	173	80138	54.161	ug/l #	96
73) Isopropylbenzene	10.945	105	481526	51.938	ug/l	100
74) N-amyl acetate	10.823	43	221168	52.312	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.195	83	149789	53.400	ug/l	99
76) 1,2,3-Trichloropropane	11.220	75	119145m	48.255	ug/l	
77) Bromobenzene	11.183	156	116706	51.110	ug/l	97
78) n-propylbenzene	11.287	91	563194	51.387	ug/l	99
79) 2-Chlorotoluene	11.348	91	341925	50.938	ug/l	99
80) 1,3,5-Trimethylbenzene	11.433	105	385950	50.669	ug/l	97
81) trans-1,4-Dichloro-2-b...	11.000	75	42739	44.142	ug/l	98
82) 4-Chlorotoluene	11.439	91	398881	50.313	ug/l	99
83) tert-Butylbenzene	11.695	119	397171	50.936	ug/l	98
84) 1,2,4-Trimethylbenzene	11.732	105	394508	51.085	ug/l	99
85) sec-Butylbenzene	11.872	105	471850	50.945	ug/l	100
86) p-Isopropyltoluene	11.988	119	397440	50.687	ug/l	99
87) 1,3-Dichlorobenzene	11.951	146	214686	50.618	ug/l	99
88) 1,4-Dichlorobenzene	12.024	146	218086	50.100	ug/l	99
89) n-Butylbenzene	12.311	91	359706	49.578	ug/l	99
90) Hexachloroethane	12.518	117	70601	51.284	ug/l	98
91) 1,2-Dichlorobenzene	12.317	146	208091	51.499	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.920	75	28554	50.279	ug/l	93
93) 1,2,4-Trichlorobenzene	13.567	180	129844	49.444	ug/l	100
94) Hexachlorobutadiene	13.707	225	42478	47.621	ug/l	99
95) Naphthalene	13.756	128	410203	51.297	ug/l	100
96) 1,2,3-Trichlorobenzene	13.939	180	124328	50.895	ug/l	98

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

