

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV092225\
 Data File : VV039138.D
 Acq On : 22 Sep 2025 12:48
 Operator : SY/MD
 Sample : VSTDIC020
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDIC020

Quant Time: Sep 24 07:22:45 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V092225W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 24 07:14:23 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	4.600	168	545775	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.532	114	880963	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.773	117	860340	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.172	152	509460	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.947	65	144689	18.317	ug/l	0.00
Spiked Amount	50.000	Range	81 - 118	Recovery	=	36.640%#
35) Dibromofluoromethane	4.503	113	134662	19.014	ug/l	0.00
Spiked Amount	50.000	Range	80 - 119	Recovery	=	38.020%#
50) Toluene-d8	7.236	98	384827	18.501	ug/l	0.00
Spiked Amount	50.000	Range	89 - 112	Recovery	=	37.000%#
62) 4-Bromofluorobenzene	10.002	95	163597	19.105	ug/l	0.00
Spiked Amount	50.000	Range	85 - 114	Recovery	=	38.220%#
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.121	85	165175	19.118	ug/l	96
3) Chloromethane	1.230	50	177694	19.159	ug/l	99
4) Vinyl Chloride	1.298	62	186887	18.822	ug/l	99
5) Bromomethane	1.500	94	119578	19.104	ug/l	98
6) Chloroethane	1.561	64	124021	19.935	ug/l	99
7) Trichlorofluoromethane	1.729	101	273532	19.027	ug/l	100
8) Diethyl Ether	1.921	74	100661	18.862	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.085	101	159719	18.673	ug/l	99
10) Methyl Iodide	2.198	142	161932	19.880	ug/l	99
11) Tert butyl alcohol	2.568	59	171137	102.509	ug/l	98
12) 1,1-Dichloroethene	2.085	96	157427	19.131	ug/l	97
13) Acrolein	2.011	56	29609	102.210	ug/l	97
14) Allyl chloride	2.359	41	280200	19.062	ug/l	99
15) Acrylonitrile	2.674	53	504022	94.179	ug/l	99
16) Acetone	2.121	43	499669	95.756	ug/l	99
17) Carbon Disulfide	2.253	76	476229	18.923	ug/l	100
18) Methyl Acetate	2.381	43	226208	19.328	ug/l	98
19) Methyl tert-butyl Ether	2.712	73	498918	19.027	ug/l	99
20) Methylene Chloride	2.458	84	185050	20.143	ug/l	97
21) trans-1,2-Dichloroethene	2.703	96	164898	18.823	ug/l	97
22) Diisopropyl ether	3.217	45	552331	19.640	ug/l	83
23) Vinyl Acetate	3.191	43	2445787	99.414	ug/l	100
24) 1,1-Dichloroethane	3.118	63	320146	18.615	ug/l	99
25) 2-Butanone	3.870	43	637413	102.519	ug/l	100
26) 2,2-Dichloropropane	3.812	77	278362	18.326	ug/l	98
27) cis-1,2-Dichloroethene	3.822	96	183867	19.031	ug/l	98
28) Bromochloromethane	4.146	49	164406	21.654	ug/l	99
29) Tetrahydrofuran	4.240	42	405777	102.491	ug/l	99
30) Chloroform	4.281	83	342700	19.083	ug/l	99
31) Cyclohexane	4.587	56	266753	18.934	ug/l	98
32) 1,1,1-Trichloroethane	4.516	97	288341	18.546	ug/l	99
36) 1,1-Dichloropropene	4.748	75	212835	19.734	ug/l	99
37) Ethyl Acetate	3.979	43	260591	19.696	ug/l	97
38) Carbon Tetrachloride	4.735	117	250103	19.252	ug/l	98
39) Methylcyclohexane	6.047	83	253693	19.619	ug/l	95
40) Benzene	5.011	78	697141	19.994	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.169	41	102755	18.721	ug/l	95
42) 1,2-Dichloroethane	5.043	62	244487	20.012	ug/l	99
43) Isopropyl Acetate	5.195	43	362512	19.889	ug/l	98
44) Trichloroethene	5.831	130	160692	19.972	ug/l	96
45) 1,2-Dichloropropane	6.092	63	182757	21.087	ug/l	96
46) Dibromomethane	6.227	93	129319	19.495	ug/l	98
47) Bromodichloromethane	6.429	83	269262	19.635	ug/l	97
48) Methyl methacrylate	6.301	41	158251	18.977	ug/l	99
49) 1,4-Dioxane	6.294	88	47860	365.172	ug/l #	85
51) 4-Methyl-2-Pentanone	7.150	43	1296796	111.268	ug/l	98
52) Toluene	7.310	92	422367	20.892	ug/l	100
53) t-1,3-Dichloropropene	7.577	75	245181	20.516	ug/l	98
54) cis-1,3-Dichloropropene	6.950	75	273906	20.761	ug/l	100
55) 1,1,2-Trichloroethane	7.760	97	176812	19.505	ug/l	98
56) Ethyl methacrylate	7.719	69	212320	19.723	ug/l	97
57) 1,3-Dichloropropane	7.934	76	291304	20.363	ug/l	100
58) 2-Chloroethyl Vinyl ether	6.815	63	536254	94.274	ug/l	99
59) 2-Hexanone	8.066	43	940265	101.225	ug/l	98
60) Dibromochloromethane	8.169	129	200793	19.440	ug/l	99
61) 1,2-Dibromoethane	8.275	107	189555	20.447	ug/l	99
64) Tetrachloroethene	7.899	164	141876	19.688	ug/l	99
65) Chlorobenzene	8.805	112	470841	19.648	ug/l	97
66) 1,1,1,2-Tetrachloroethane	8.899	131	167936	19.395	ug/l	99
67) Ethyl Benzene	8.937	91	737391	20.328	ug/l	99
68) m/p-Xylenes	9.063	106	607362	43.381	ug/l	99
69) o-Xylene	9.468	106	255212	20.587	ug/l	100
70) Styrene	9.487	104	475382	19.022	ug/l	99
71) Bromoform	9.654	173	132242	19.552	ug/l	98
73) Isopropylbenzene	9.857	105	741305	20.062	ug/l	99
74) N-amyl acetate	9.725	43	306963	20.826	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.165	83	297741	18.390	ug/l	100
76) 1,2,3-Trichloropropane	10.198	75	213532	18.409	ug/l	99
77) Bromobenzene	10.140	156	187188	19.525	ug/l	96
78) n-propylbenzene	10.278	91	905281	20.118	ug/l	99
79) 2-Chlorotoluene	10.349	91	547836	20.346	ug/l	99
80) 1,3,5-Trimethylbenzene	10.464	105	640175	20.843	ug/l	99
81) trans-1,4-Dichloro-2-b...	9.928	75	91848	19.009	ug/l	96
82) 4-Chlorotoluene	10.461	91	655427	20.993	ug/l	99
83) tert-Butylbenzene	10.789	119	587151	19.172	ug/l	99
84) 1,2,4-Trimethylbenzene	10.841	105	631679	21.185	ug/l	100
85) sec-Butylbenzene	11.011	105	808869	19.912	ug/l	99
86) p-Isopropyltoluene	11.165	119	682814	20.196	ug/l	100
87) 1,3-Dichlorobenzene	11.104	146	374208	19.287	ug/l	99
88) 1,4-Dichlorobenzene	11.198	146	397526	18.539	ug/l	100
89) n-Butylbenzene	11.580	91	640044	19.822	ug/l	99
90) Hexachloroethane	11.818	117	150843	18.118	ug/l	99
91) 1,2-Dichlorobenzene	11.567	146	336566	18.567	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.352	75	57671	19.989	ug/l	98
93) 1,2,4-Trichlorobenzene	13.185	180	196334	18.894	ug/l	99
94) Hexachlorobutadiene	13.368	225	96610	17.893	ug/l	98
95) Naphthalene	13.426	128	634557	18.986	ug/l	99
96) 1,2,3-Trichlorobenzene	13.667	180	198308	18.659	ug/l	97

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

