

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV082525\
 Data File : VV039026.D
 Acq On : 25 Aug 2025 11:46
 Operator : SY/MD
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDICC100

Quant Time: Aug 26 02:15:37 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V082525W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 26 02:10:43 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	4.600	168	558151	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.532	114	934664	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.776	117	909657	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.172	152	489386	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.941	65	737690	91.635	ug/l	0.00
Spiked Amount	50.000	Range	81 - 118	Recovery	= 183.260%#	
35) Dibromofluoromethane	4.500	113	636078	94.499	ug/l	0.00
Spiked Amount	50.000	Range	80 - 119	Recovery	= 189.000%#	
50) Toluene-d8	7.236	98	2364572	99.216	ug/l	0.00
Spiked Amount	50.000	Range	89 - 112	Recovery	= 198.440%#	
62) 4-Bromofluorobenzene	10.001	95	909411	104.139	ug/l	0.00
Spiked Amount	50.000	Range	85 - 114	Recovery	= 208.280%#	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.121	85	691211	92.477	ug/l	99
3) Chloromethane	1.230	50	718529	90.208	ug/l	98
4) Vinyl Chloride	1.298	62	856132	92.170	ug/l	99
5) Bromomethane	1.487	94	459734	98.502	ug/l	99
6) Chloroethane	1.555	64	505143	91.969	ug/l	100
7) Trichlorofluoromethane	1.722	101	1212388	90.674	ug/l	99
8) Diethyl Ether	1.918	74	475692	93.783	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.079	101	720450	89.441	ug/l	100
10) Methyl Iodide	2.195	142	796428	102.195	ug/l	95
11) Tert butyl alcohol	2.571	59	665199	460.312	ug/l	100
12) 1,1-Dichloroethene	2.079	96	705159	91.435	ug/l	99
13) Acrolein	2.008	56	216085	331.183	ug/l	98
14) Allyl chloride	2.355	41	1068559	88.029	ug/l	98
15) Acrylonitrile	2.671	53	2004325	465.065	ug/l	99
16) Acetone	2.117	43	2069616	407.043	ug/l	99
17) Carbon Disulfide	2.253	76	1988678	92.892	ug/l	100
18) Methyl Acetate	2.378	43	914067	92.285	ug/l	96
19) Methyl tert-butyl Ether	2.709	73	2203069	96.947	ug/l	99
20) Methylene Chloride	2.455	84	723603	87.149	ug/l	95
21) trans-1,2-Dichloroethene	2.699	96	694747	89.878	ug/l	95
22) Diisopropyl ether	3.214	45	2133363	96.572	ug/l	93
23) Vinyl Acetate	3.185	43	9084310	501.528	ug/l	99
24) 1,1-Dichloroethane	3.117	63	1245142	89.974	ug/l	99
25) 2-Butanone	3.857	43	2547893	455.535	ug/l	99
26) 2,2-Dichloropropane	3.812	77	1089707	91.601	ug/l	99
27) cis-1,2-Dichloroethene	3.818	96	819824	95.693	ug/l	98
28) Bromochloromethane	4.146	49	277326	100.353	ug/l	97
29) Tetrahydrofuran	4.230	42	1683206	488.304	ug/l	98
30) Chloroform	4.278	83	1286127	89.352	ug/l	98
31) Cyclohexane	4.584	56	1091668	89.194	ug/l	99
32) 1,1,1-Trichloroethane	4.513	97	1167209	92.123	ug/l	99
36) 1,1-Dichloropropene	4.744	75	894461	98.876	ug/l	99
37) Ethyl Acetate	3.970	43	981437	92.432	ug/l	98
38) Carbon Tetrachloride	4.735	117	1016587	93.844	ug/l	100
39) Methylcyclohexane	6.047	83	1228118	105.754	ug/l	99
40) Benzene	5.008	78	2765615	95.662	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.153	41	466438	100.155	ug/l	97
42) 1,2-Dichloroethane	5.037	62	924720	91.730	ug/l	100
43) Isopropyl Acetate	5.188	43	1564853	103.558	ug/l	98
44) Trichloroethene	5.828	130	719731	99.154	ug/l	100
45) 1,2-Dichloropropane	6.088	63	694914	94.551	ug/l	98
46) Dibromomethane	6.223	93	528879	94.888	ug/l	100
47) Bromodichloromethane	6.426	83	1123897	97.861	ug/l	99
48) Methyl methacrylate	6.291	41	754813	102.354	ug/l	99
49) 1,4-Dioxane	6.288	88	257905	2066.532	ug/l	88
51) 4-Methyl-2-Pentanone	7.146	43	5609572	523.337	ug/l	99
52) Toluene	7.307	92	1901323	103.114	ug/l	99
53) t-1,3-Dichloropropene	7.571	75	1176005	106.666	ug/l	99
54) cis-1,3-Dichloropropene	6.947	75	1268260	107.083	ug/l	100
55) 1,1,2-Trichloroethane	7.760	97	755677	98.231	ug/l	99
56) Ethyl methacrylate	7.712	69	1219644	119.530	ug/l	99
57) 1,3-Dichloropropane	7.934	76	1254595	101.027	ug/l	100
58) 2-Chloroethyl Vinyl ether	6.809	63	3178545	501.471	ug/l	99
59) 2-Hexanone	8.063	43	4176903	526.827	ug/l	98
60) Dibromochloromethane	8.169	129	893118	100.358	ug/l	99
61) 1,2-Dibromoethane	8.272	107	804862	101.370	ug/l	100
64) Tetrachloroethene	7.899	164	620626	95.973	ug/l	99
65) Chlorobenzene	8.802	112	2072667	95.221	ug/l	99
66) 1,1,1,2-Tetrachloroethane	8.899	131	723394	95.186	ug/l	100
67) Ethyl Benzene	8.937	91	3643260	105.794	ug/l	99
68) m/p-Xylenes	9.063	106	2803445	211.726	ug/l	99
69) o-Xylene	9.468	106	1362224	112.368	ug/l	99
70) Styrene	9.484	104	2345148	109.806	ug/l	99
71) Bromoform	9.654	173	620920	101.044	ug/l #	100
73) Isopropylbenzene	9.857	105	3666873	106.914	ug/l	100
74) N-amyl acetate	9.722	43	1525983	108.261	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.165	83	1213175	89.790	ug/l	99
76) 1,2,3-Trichloropropane	10.198	75	885593	92.187	ug/l	76
77) Bromobenzene	10.140	156	842455	99.149	ug/l	99
78) n-propylbenzene	10.278	91	4343780	107.288	ug/l	99
79) 2-Chlorotoluene	10.349	91	2516555	100.878	ug/l	100
80) 1,3,5-Trimethylbenzene	10.464	105	3034101	107.802	ug/l	99
81) trans-1,4-Dichloro-2-b...	9.927	75	467156	106.945	ug/l	99
82) 4-Chlorotoluene	10.461	91	2972688	104.749	ug/l	100
83) tert-Butylbenzene	10.789	119	2943590	102.798	ug/l	99
84) 1,2,4-Trimethylbenzene	10.841	105	2921204	106.054	ug/l	100
85) sec-Butylbenzene	11.011	105	3885782	103.185	ug/l	100
86) p-Isopropyltoluene	11.165	119	3294477	104.913	ug/l	100
87) 1,3-Dichlorobenzene	11.104	146	1658427	97.643	ug/l	100
88) 1,4-Dichlorobenzene	11.198	146	1675532	91.556	ug/l	99
89) n-Butylbenzene	11.580	91	3211339	106.027	ug/l	99
90) Hexachloroethane	11.821	117	646897	92.217	ug/l	99
91) 1,2-Dichlorobenzene	11.567	146	1596077	96.888	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.349	75	272885	92.977	ug/l	98
93) 1,2,4-Trichlorobenzene	13.185	180	1045383	109.514	ug/l	100
94) Hexachlorobutadiene	13.368	225	409706	91.787	ug/l	100
95) Naphthalene	13.422	128	3801809	114.832	ug/l	100
96) 1,2,3-Trichlorobenzene	13.664	180	1057233	109.302	ug/l	100

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

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