

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV100325\
 Data File : VV039263.D
 Acq On : 03 Oct 2025 20:19
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Oct 04 01:18:17 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V092225W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 24 08:08:08 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	4.600	168	688233	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.532	114	1053887	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.776	117	1014395	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.172	152	596087	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.940	65	301418	30.260	ug/l	0.00
Spiked Amount	50.000	Range	81 - 118	Recovery	=	60.520%#
35) Dibromofluoromethane	4.500	113	306456	36.171	ug/l	0.00
Spiked Amount	50.000	Range	80 - 119	Recovery	=	72.340%#
50) Toluene-d8	7.236	98	837470	33.656	ug/l	0.00
Spiked Amount	50.000	Range	89 - 112	Recovery	=	67.320%#
62) 4-Bromofluorobenzene	9.998	95	413217	40.338	ug/l	0.00
Spiked Amount	50.000	Range	85 - 114	Recovery	=	80.680%#
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.121	85	325701	29.895	ug/l	97
3) Chloromethane	1.230	50	343507	29.370	ug/l	99
4) Vinyl Chloride	1.298	62	398749	31.846	ug/l	99
5) Bromomethane	1.494	94	232743	29.486	ug/l	99
6) Chloroethane	1.558	64	259235	34.244	ug/l	99
7) Trichlorofluoromethane	1.725	101	630306	34.769	ug/l	99
8) Diethyl Ether	1.918	74	229655	34.125	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.079	101	380378	35.265	ug/l	97
10) Methyl Iodide	2.195	142	352706	34.337	ug/l	99
11) Tert butyl alcohol	2.571	59	399040	189.546	ug/l	99
12) 1,1-Dichloroethene	2.082	96	363069	34.989	ug/l	90
13) Acrolein	2.008	56	31520	86.284	ug/l	93
14) Allyl chloride	2.355	41	593742	32.032	ug/l	96
15) Acrylonitrile	2.674	53	1154674	171.096	ug/l	99
16) Acetone	2.117	43	931845	145.588	ug/l	96
17) Carbon Disulfide	2.252	76	911898	28.735	ug/l	99
18) Methyl Acetate	2.378	43	603259	40.875	ug/l	98
19) Methyl tert-butyl Ether	2.712	73	1211712	36.645	ug/l	98
20) Methylene Chloride	2.455	84	439554	40.206	ug/l	92
21) trans-1,2-Dichloroethene	2.703	96	387187	35.050	ug/l	94
22) Diisopropyl ether	3.217	45	1224503	34.528	ug/l	96
23) Vinyl Acetate	3.188	43	5098174	164.332	ug/l	97
24) 1,1-Dichloroethane	3.117	63	730489	33.682	ug/l	98
25) 2-Butanone	3.867	43	1377278	172.672	ug/l	97
26) 2,2-Dichloropropane	3.812	77	539224	28.041	ug/l	99
27) cis-1,2-Dichloroethene	3.818	96	433530	35.584	ug/l	95
28) Bromochloromethane	4.146	49	336040	35.098	ug/l	90
29) Tetrahydrofuran	4.236	42	888841	178.033	ug/l	95
30) Chloroform	4.278	83	770615	34.028	ug/l	100
31) Cyclohexane	4.584	56	519765	29.256	ug/l	96
32) 1,1,1-Trichloroethane	4.513	97	664446	33.890	ug/l	98
36) 1,1-Dichloropropene	4.744	75	471873	36.838	ug/l	98
37) Ethyl Acetate	3.976	43	536428	34.512	ug/l	97
38) Carbon Tetrachloride	4.735	117	565966	36.152	ug/l	99
39) Methylcyclohexane	6.047	83	524665	33.917	ug/l	100
40) Benzene	5.008	78	1542533	36.981	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.159	41	246960	35.709	ug/l	95
42) 1,2-Dichloroethane	5.040	62	528616	36.169	ug/l	98
43) Isopropyl Acetate	5.194	43	801339	37.812	ug/l	99
44) Trichloroethene	5.831	130	379095	39.385	ug/l	100
45) 1,2-Dichloropropane	6.088	63	398823	38.467	ug/l	96
46) Dibromomethane	6.223	93	301882	38.043	ug/l	94
47) Bromodichloromethane	6.426	83	620517	37.825	ug/l	99
48) Methyl methacrylate	6.297	41	378510	39.400	ug/l	96
49) 1,4-Dioxane	6.291	88	135511	874.079	ug/l	98
51) 4-Methyl-2-Pentanone	7.149	43	2870675	205.896	ug/l	97
52) Toluene	7.307	92	983324	40.659	ug/l	99
53) t-1,3-Dichloropropene	7.574	75	570133	39.879	ug/l	97
54) cis-1,3-Dichloropropene	6.947	75	621303	39.366	ug/l	97
55) 1,1,2-Trichloroethane	7.760	97	423679	39.070	ug/l	99
56) Ethyl methacrylate	7.715	69	568221	44.123	ug/l	94
57) 1,3-Dichloropropane	7.934	76	666246	38.930	ug/l	100
58) 2-Chloroethyl Vinyl ether	6.812	63	1136945	159.959	ug/l	96
59) 2-Hexanone	8.063	43	2121271	189.059	ug/l	97
60) Dibromochloromethane	8.165	129	493885	39.970	ug/l	98
61) 1,2-Dibromoethane	8.271	107	452157	40.771	ug/l	99
64) Tetrachloroethene	7.895	164	339819	39.995	ug/l	99
65) Chlorobenzene	8.805	112	1108300	39.224	ug/l	98
66) 1,1,1,2-Tetrachloroethane	8.895	131	415589	40.707	ug/l	99
67) Ethyl Benzene	8.937	91	1813835	42.408	ug/l	99
68) m/p-Xylenes	9.062	106	1476935	89.469	ug/l	99
69) o-Xylene	9.468	106	663667	45.405	ug/l	97
70) Styrene	9.484	104	1256485	40.823	ug/l	99
71) Bromoform	9.654	173	342943	43.004	ug/l #	99
73) Isopropylbenzene	9.857	105	1809630	41.856	ug/l	100
74) N-amyl acetate	9.725	43	735344	42.640	ug/l	96
75) 1,1,2,2-Tetrachloroethane	10.165	83	689736	36.411	ug/l	99
76) 1,2,3-Trichloropropane	10.197	75	519910	38.308	ug/l	99
77) Bromobenzene	10.140	156	459232	40.940	ug/l	98
78) n-propylbenzene	10.278	91	2200200	41.790	ug/l	99
79) 2-Chlorotoluene	10.349	91	1326337	42.101	ug/l	99
80) 1,3,5-Trimethylbenzene	10.464	105	1560698	43.430	ug/l	99
81) trans-1,4-Dichloro-2-b...	9.927	75	218024	38.565	ug/l	97
82) 4-Chlorotoluene	10.461	91	1575524	43.129	ug/l	98
83) tert-Butylbenzene	10.789	119	1452706	40.540	ug/l	100
84) 1,2,4-Trimethylbenzene	10.837	105	1571288	45.038	ug/l	99
85) sec-Butylbenzene	11.011	105	1901272	40.003	ug/l	99
86) p-Isopropyltoluene	11.165	119	1630227	41.211	ug/l	99
87) 1,3-Dichlorobenzene	11.104	146	914496	40.283	ug/l	99
88) 1,4-Dichlorobenzene	11.194	146	964103	38.710	ug/l	99
89) n-Butylbenzene	11.580	91	1520280	40.240	ug/l	100
90) Hexachloroethane	11.818	117	338112	34.709	ug/l	98
91) 1,2-Dichlorobenzene	11.567	146	861767	40.631	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.352	75	144646	42.713	ug/l	95
93) 1,2,4-Trichlorobenzene	13.184	180	508183	41.798	ug/l	100
94) Hexachlorobutadiene	13.368	225	201862	31.953	ug/l	99
95) Naphthalene	13.422	128	1827270	46.499	ug/l	100
96) 1,2,3-Trichlorobenzene	13.664	180	530581	42.669	ug/l	99

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

