

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV092625\
 Data File : VV039198.D
 Acq On : 26 Sep 2025 09:20
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDCCC050

Quant Time: Sep 27 02:48:49 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	4.597	168	568268	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.529	114	890856	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.773	117	851107	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.172	152	503461	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.937	65	382222	46.473	ug/l	0.00
Spiked Amount	50.000	Range	81 - 118	Recovery	=	92.940%
35) Dibromofluoromethane	4.497	113	361542	50.482	ug/l	0.00
Spiked Amount	50.000	Range	80 - 119	Recovery	=	100.960%
50) Toluene-d8	7.233	98	1052144	50.021	ug/l	0.00
Spiked Amount	50.000	Range	89 - 112	Recovery	=	100.040%
62) 4-Bromofluorobenzene	9.998	95	496739	57.366	ug/l	0.00
Spiked Amount	50.000	Range	85 - 114	Recovery	=	114.740%#
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.121	85	396522	44.079	ug/l	98
3) Chloromethane	1.227	50	418050	43.290	ug/l	100
4) Vinyl Chloride	1.295	62	479647	46.394	ug/l	100
5) Bromomethane	1.494	94	291810	44.774	ug/l	98
6) Chloroethane	1.558	64	302144	49.614	ug/l	96
7) Trichlorofluoromethane	1.722	101	698490	46.665	ug/l	99
8) Diethyl Ether	1.915	74	274691	49.434	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.079	101	425486	47.774	ug/l	98
10) Methyl Iodide	2.195	142	417411	49.215	ug/l	97
11) Tert butyl alcohol	2.568	59	464183	267.036	ug/l	99
12) 1,1-Dichloroethene	2.079	96	405466	47.323	ug/l	95
13) Acrolein	2.008	56	78856	261.435	ug/l	100
14) Allyl chloride	2.356	41	702274	45.886	ug/l	96
15) Acrylonitrile	2.671	53	1342967	241.006	ug/l	99
16) Acetone	2.118	43	1614924	325.476	ug/l	97
17) Carbon Disulfide	2.249	76	1159506	44.250	ug/l	99
18) Methyl Acetate	2.378	43	628554	51.580	ug/l	96
19) Methyl tert-butyl Ether	2.709	73	1386577	50.786	ug/l	100
20) Methylene Chloride	2.455	84	472123	53.373	ug/l	95
21) trans-1,2-Dichloroethene	2.700	96	426028	46.707	ug/l	97
22) Diisopropyl ether	3.214	45	1361630	46.500	ug/l	98
23) Vinyl Acetate	3.185	43	6054952	236.375	ug/l	97
24) 1,1-Dichloroethane	3.114	63	797976	44.562	ug/l	99
25) 2-Butanone	3.864	43	1833262	278.360	ug/l	96
26) 2,2-Dichloropropane	3.809	77	654670	41.232	ug/l	99
27) cis-1,2-Dichloroethene	3.815	96	492190	48.927	ug/l	96
28) Bromochloromethane	4.140	49	393882	49.825	ug/l	91
29) Tetrahydrofuran	4.233	42	1063152	257.902	ug/l	97
30) Chloroform	4.275	83	827141	44.235	ug/l	99
31) Cyclohexane	4.581	56	629144	42.889	ug/l	99
32) 1,1,1-Trichloroethane	4.510	97	713673	44.086	ug/l	98
36) 1,1-Dichloropropene	4.741	75	527907	48.754	ug/l	98
37) Ethyl Acetate	3.973	43	626124	47.654	ug/l	96
38) Carbon Tetrachloride	4.732	117	603195	45.581	ug/l	98
39) Methylcyclohexane	6.044	83	639925	48.939	ug/l	99
40) Benzene	5.005	78	1727192	48.985	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.153	41	288855	48.677	ug/l	96
42) 1,2-Dichloroethane	5.037	62	580659	47.000	ug/l	98
43) Isopropyl Acetate	5.191	43	944896	52.745	ug/l	98
44) Trichloroethene	5.828	130	417489	51.312	ug/l	99
45) 1,2-Dichloropropane	6.085	63	439219	50.116	ug/l	97
46) Dibromomethane	6.224	93	336464	50.160	ug/l	97
47) Bromodichloromethane	6.423	83	661080	47.672	ug/l	99
48) Methyl methacrylate	6.294	41	446114	54.936	ug/l	96
49) 1,4-Dioxane	6.288	88	161118	1229.438	ug/l	96
51) 4-Methyl-2-Pentanone	7.146	43	3229046	273.983	ug/l	97
52) Toluene	7.307	92	1075327	52.600	ug/l	99
53) t-1,3-Dichloropropene	7.571	75	654044	54.120	ug/l	99
54) cis-1,3-Dichloropropene	6.944	75	717693	53.795	ug/l	96
55) 1,1,2-Trichloroethane	7.757	97	455956	49.741	ug/l	99
56) Ethyl methacrylate	7.712	69	659328	60.567	ug/l	96
57) 1,3-Dichloropropane	7.931	76	738511	51.050	ug/l	100
58) 2-Chloroethyl Vinyl ether	6.809	63	1583796	257.371	ug/l	97
59) 2-Hexanone	8.063	43	2540984	266.941	ug/l	96
60) Dibromochloromethane	8.166	129	523192	50.091	ug/l	99
61) 1,2-Dibromoethane	8.272	107	492305	52.515	ug/l	99
64) Tetrachloroethene	7.896	164	356008	49.940	ug/l	99
65) Chlorobenzene	8.802	112	1184240	49.953	ug/l	97
66) 1,1,1,2-Tetrachloroethane	8.895	131	420629	49.105	ug/l	99
67) Ethyl Benzene	8.934	91	1965281	54.765	ug/l	100
68) m/p-Xylenes	9.059	106	1594917	115.152	ug/l	99
69) o-Xylene	9.468	106	714698	58.277	ug/l	98
70) Styrene	9.484	104	1314322	50.578	ug/l	100
71) Bromoform	9.651	173	361962	54.097	ug/l #	99
73) Isopropylbenzene	9.854	105	1910303	52.314	ug/l	100
74) N-amyl acetate	9.722	43	833773	57.243	ug/l	97
75) 1,1,2,2-Tetrachloroethane	10.166	83	743933	46.497	ug/l	99
76) 1,2,3-Trichloropropane	10.194	75	543913	47.449	ug/l	95
77) Bromobenzene	10.140	156	486251	51.325	ug/l	97
78) n-propylbenzene	10.278	91	2304429	51.822	ug/l	98
79) 2-Chlorotoluene	10.346	91	1410067	52.993	ug/l	99
80) 1,3,5-Trimethylbenzene	10.465	105	1631715	53.760	ug/l	100
81) trans-1,4-Dichloro-2-b...	9.928	75	255261	53.459	ug/l	97
82) 4-Chlorotoluene	10.461	91	1665368	53.976	ug/l	99
83) tert-Butylbenzene	10.789	119	1531956	50.617	ug/l	99
84) 1,2,4-Trimethylbenzene	10.838	105	1635985	55.520	ug/l	100
85) sec-Butylbenzene	11.011	105	1994966	49.696	ug/l	99
86) p-Isopropyltoluene	11.166	119	1686983	50.491	ug/l	99
87) 1,3-Dichlorobenzene	11.104	146	947921	49.438	ug/l	99
88) 1,4-Dichlorobenzene	11.194	146	963204	45.789	ug/l	98
89) n-Butylbenzene	11.577	91	1607017	50.362	ug/l	99
90) Hexachloroethane	11.818	117	339159	41.222	ug/l	100
91) 1,2-Dichlorobenzene	11.564	146	896118	50.024	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.349	75	157070	54.339	ug/l	94
93) 1,2,4-Trichlorobenzene	13.185	180	526372	51.259	ug/l	99
94) Hexachlorobutadiene	13.368	225	216529	40.581	ug/l	99
95) Naphthalene	13.423	128	1996722	60.159	ug/l	100
96) 1,2,3-Trichlorobenzene	13.664	180	547531	52.133	ug/l	99

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

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