

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV070325\
 Data File : VV038862.D
 Acq On : 03 Jul 2025 15:24
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Jul 07 08:25:43 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V070225W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 07 08:22:59 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	4.600	168	510703	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.532	114	796663	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.776	117	754809	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.172	152	432406	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.941	65	273311	47.751	ug/l	0.00
Spiked Amount	50.000	Range	81 - 118	Recovery	=	95.500%
35) Dibromofluoromethane	4.500	113	254437	50.421	ug/l	0.00
Spiked Amount	50.000	Range	80 - 119	Recovery	=	100.840%
50) Toluene-d8	7.236	98	793285	48.588	ug/l	0.00
Spiked Amount	50.000	Range	89 - 112	Recovery	=	97.180%
62) 4-Bromofluorobenzene	10.002	95	341452	51.765	ug/l	0.00
Spiked Amount	50.000	Range	85 - 114	Recovery	=	103.520%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.118	85	222751	45.948	ug/l	99
3) Chloromethane	1.227	50	238319	40.065	ug/l	99
4) Vinyl Chloride	1.294	62	259972	46.999	ug/l	99
5) Bromomethane	1.491	94	174559	51.711	ug/l	97
6) Chloroethane	1.558	64	171162	46.157	ug/l	97
7) Trichlorofluoromethane	1.725	101	462455	47.254	ug/l	97
8) Diethyl Ether	1.918	74	159206	46.749	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.079	101	269873	48.769	ug/l	100
10) Methyl Iodide	2.195	142	354635	50.511	ug/l	100
11) Tert butyl alcohol	2.561	59	221724	296.776	ug/l	98
12) 1,1-Dichloroethene	2.082	96	245692	46.714	ug/l	99
13) Acrolein	2.008	56	53470	286.624	ug/l	96
14) Allyl chloride	2.356	41	359384	50.811	ug/l	98
15) Acrylonitrile	2.671	53	735084	281.273	ug/l	100
16) Acetone	2.118	43	540827	283.544	ug/l	99
17) Carbon Disulfide	2.253	76	559148	45.895	ug/l	99
18) Methyl Acetate	2.378	43	365118	56.139	ug/l	99
19) Methyl tert-butyl Ether	2.709	73	879111	54.061	ug/l	99
20) Methylene Chloride	2.455	84	291073	46.176	ug/l	96
21) trans-1,2-Dichloroethene	2.703	96	263563	50.110	ug/l	96
22) Diisopropyl ether	3.211	45	809610	55.833	ug/l	90
23) Vinyl Acetate	3.185	43	3001017	287.003	ug/l	100
24) 1,1-Dichloroethane	3.118	63	489786	50.104	ug/l	100
25) 2-Butanone	3.857	43	824732	292.389	ug/l	100
26) 2,2-Dichloropropane	3.812	77	446027	49.230	ug/l	99
27) cis-1,2-Dichloroethene	3.822	96	315786	51.519	ug/l	98
28) Bromochloromethane	4.146	49	196191	46.959	ug/l	# 100
29) Tetrahydrofuran	4.227	42	545142	285.365	ug/l	98
30) Chloroform	4.278	83	548120	51.463	ug/l	99
31) Cyclohexane	4.587	56	372707	48.144	ug/l	99
32) 1,1,1-Trichloroethane	4.513	97	492816	49.855	ug/l	99
36) 1,1-Dichloropropene	4.748	75	328975	53.724	ug/l	99
37) Ethyl Acetate	3.970	43	334821	53.586	ug/l	96
38) Carbon Tetrachloride	4.735	117	418827	51.965	ug/l	99
39) Methylcyclohexane	6.047	83	415376	51.882	ug/l	99
40) Benzene	5.008	78	1064121	52.628	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.156	41	155401	57.919	ug/l	98
42) 1,2-Dichloroethane	5.037	62	387637	54.150	ug/l	100
43) Isopropyl Acetate	5.188	43	538251	53.998	ug/l	98
44) Trichloroethene	5.831	130	275087	52.132	ug/l	96
45) 1,2-Dichloropropane	6.088	63	257470	50.702	ug/l	100
46) Dibromomethane	6.224	93	206595	51.589	ug/l	99
47) Bromodichloromethane	6.426	83	432769	51.036	ug/l	98
48) Methyl methacrylate	6.294	41	258063	54.446	ug/l	99
49) 1,4-Dioxane	6.281	88	86168	1311.566	ug/l	96
51) 4-Methyl-2-Pentanone	7.143	43	1845761	293.432	ug/l	100
52) Toluene	7.307	92	703234	55.666	ug/l	99
53) t-1,3-Dichloropropene	7.574	75	432306	53.253	ug/l	99
54) cis-1,3-Dichloropropene	6.947	75	459799	55.395	ug/l	99
55) 1,1,2-Trichloroethane	7.760	97	295706	53.529	ug/l	97
56) Ethyl methacrylate	7.712	69	429095	59.043	ug/l	99
57) 1,3-Dichloropropane	7.934	76	468755	53.865	ug/l	99
58) 2-Chloroethyl Vinyl ether	6.809	63	868824	263.282	ug/l	100
59) 2-Hexanone	8.063	43	1329540	299.671	ug/l	98
60) Dibromochloromethane	8.166	129	361548	51.980	ug/l	99
61) 1,2-Dibromoethane	8.272	107	309941	54.230	ug/l	98
64) Tetrachloroethene	7.899	164	242919	50.047	ug/l	98
65) Chlorobenzene	8.805	112	814129	51.181	ug/l	100
66) 1,1,1,2-Tetrachloroethane	8.899	131	302993	51.009	ug/l	98
67) Ethyl Benzene	8.937	91	1363738	54.719	ug/l	99
68) m/p-Xylenes	9.063	106	1075577	112.675	ug/l	99
69) o-Xylene	9.468	106	510703	55.997	ug/l	100
70) Styrene	9.484	104	917870	57.643	ug/l	100
71) Bromoform	9.654	173	260110	53.888	ug/l #	98
73) Isopropylbenzene	9.857	105	1423563	56.097	ug/l	100
74) N-amyl acetate	9.722	43	496322	55.876	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.165	83	476762	51.823	ug/l	99
76) 1,2,3-Trichloropropane	10.198	75	359622	53.753	ug/l	100
77) Bromobenzene	10.140	156	343750	52.509	ug/l	99
78) n-propylbenzene	10.278	91	1702794	56.384	ug/l	99
79) 2-Chlorotoluene	10.349	91	1006261	54.865	ug/l	99
80) 1,3,5-Trimethylbenzene	10.464	105	1231821	56.771	ug/l	100
81) trans-1,4-Dichloro-2-b...	9.928	75	166518	52.980	ug/l	97
82) 4-Chlorotoluene	10.461	91	1196179	56.574	ug/l	100
83) tert-Butylbenzene	10.789	119	1228695	54.598	ug/l	100
84) 1,2,4-Trimethylbenzene	10.841	105	1231949	57.929	ug/l	99
85) sec-Butylbenzene	11.011	105	1603727	55.976	ug/l	99
86) p-Isopropyltoluene	11.165	119	1379209	56.148	ug/l	100
87) 1,3-Dichlorobenzene	11.104	146	692366	52.022	ug/l	98
88) 1,4-Dichlorobenzene	11.194	146	710226	50.645	ug/l	100
89) n-Butylbenzene	11.580	91	1295676	56.914	ug/l	100
90) Hexachloroethane	11.821	117	270388	50.710	ug/l	97
91) 1,2-Dichlorobenzene	11.567	146	670182	53.424	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.352	75	105157	53.988	ug/l	100
93) 1,2,4-Trichlorobenzene	13.185	180	441220	54.262	ug/l	99
94) Hexachlorobutadiene	13.368	225	202075	51.498	ug/l	96
95) Naphthalene	13.423	128	1484279	57.379	ug/l	100
96) 1,2,3-Trichlorobenzene	13.667	180	448383	53.434	ug/l	98

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

