

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV070225\
 Data File : VV038849.D
 Acq On : 02 Jul 2025 18:26
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Jul 03 03:03:53 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V070225W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 03 02:44:44 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	4.600	168	559407	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.532	114	878398	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.776	117	832918	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.172	152	490620	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.944	65	314751	50.203	ug/l	0.00
Spiked Amount	50.000	Range	81 - 118	Recovery	= 100.400%	
35) Dibromofluoromethane	4.503	113	285353	51.286	ug/l	0.00
Spiked Amount	50.000	Range	80 - 119	Recovery	= 102.580%	
50) Toluene-d8	7.236	98	925922	51.435	ug/l	0.00
Spiked Amount	50.000	Range	89 - 112	Recovery	= 102.880%	
62) 4-Bromofluorobenzene	10.001	95	391301	53.802	ug/l	0.00
Spiked Amount	50.000	Range	85 - 114	Recovery	= 107.600%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.121	85	225167	42.402	ug/l	99
3) Chloromethane	1.230	50	238631	41.525	ug/l	100
4) Vinyl Chloride	1.297	62	256668	42.362	ug/l	99
5) Bromomethane	1.494	94	167689	45.351	ug/l	96
6) Chloroethane	1.558	64	171397	42.196	ug/l	98
7) Trichlorofluoromethane	1.725	101	459759	42.889	ug/l	98
8) Diethyl Ether	1.918	74	161414	43.271	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.082	101	270180	44.574	ug/l	99
10) Methyl Iodide	2.195	142	364391	47.381	ug/l	99
11) Tert butyl alcohol	2.564	59	208559	254.851	ug/l	100
12) 1,1-Dichloroethene	2.082	96	246854	42.848	ug/l	97
13) Acrolein	2.011	56	48573	237.704	ug/l	93
14) Allyl chloride	2.358	41	351090	45.317	ug/l	99
15) Acrylonitrile	2.674	53	702913	245.546	ug/l	99
16) Acetone	2.117	43	545980	261.324	ug/l	100
17) Carbon Disulfide	2.252	76	552112	41.372	ug/l	99
18) Methyl Acetate	2.378	43	352442	49.472	ug/l	98
19) Methyl tert-butyl Ether	2.709	73	859026	48.226	ug/l	98
20) Methylene Chloride	2.458	84	293951	42.572	ug/l	96
21) trans-1,2-Dichloroethene	2.703	96	254071	44.099	ug/l	98
22) Diisopropyl ether	3.211	45	792047	49.866	ug/l	97
23) Vinyl Acetate	3.188	43	2888221	252.167	ug/l	100
24) 1,1-Dichloroethane	3.121	63	475477	44.406	ug/l	99
25) 2-Butanone	3.860	43	817341	264.541	ug/l	98
26) 2,2-Dichloropropane	3.812	77	411752	41.490	ug/l	98
27) cis-1,2-Dichloroethene	3.821	96	314011	46.769	ug/l	100
28) Bromochloromethane	4.146	49	212802	46.501	ug/l #	100
29) Tetrahydrofuran	4.230	42	531587	254.043	ug/l	99
30) Chloroform	4.278	83	540121	46.297	ug/l	99
31) Cyclohexane	4.587	56	369984	43.631	ug/l	97
32) 1,1,1-Trichloroethane	4.516	97	484080	44.708	ug/l	99
36) 1,1-Dichloropropene	4.747	75	326039	48.291	ug/l	99
37) Ethyl Acetate	3.973	43	322318	46.785	ug/l	97
38) Carbon Tetrachloride	4.735	117	420953	47.369	ug/l	98
39) Methylcyclohexane	6.050	83	415846	47.107	ug/l	99
40) Benzene	5.011	78	1050963	47.141	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.156	41	151220	45.584	ug/l	99
42) 1,2-Dichloroethane	5.040	62	375916	47.626	ug/l	99
43) Isopropyl Acetate	5.188	43	527711	48.014	ug/l	100
44) Trichloroethene	5.834	130	275505	47.353	ug/l	97
45) 1,2-Dichloropropane	6.088	63	265285	47.380	ug/l	99
46) Dibromomethane	6.226	93	205192	46.471	ug/l	99
47) Bromodichloromethane	6.426	83	432261	46.233	ug/l	99
48) Methyl methacrylate	6.294	41	256625	49.104	ug/l	99
49) 1,4-Dioxane	6.284	88	82652	1140.987	ug/l	97
51) 4-Methyl-2-Pentanone	7.146	43	1807092	260.553	ug/l	100
52) Toluene	7.307	92	692530	49.718	ug/l	98
53) t-1,3-Dichloropropene	7.574	75	423230	47.284	ug/l	100
54) cis-1,3-Dichloropropene	6.947	75	448819	49.041	ug/l	98
55) 1,1,2-Trichloroethane	7.760	97	290863	47.753	ug/l	97
56) Ethyl methacrylate	7.712	69	416562	51.985	ug/l	98
57) 1,3-Dichloropropane	7.934	76	464649	48.425	ug/l	99
58) 2-Chloroethyl Vinyl ether	6.812	63	690254	189.706	ug/l	100
59) 2-Hexanone	8.062	43	1292784	264.273	ug/l	100
60) Dibromochloromethane	8.169	129	359072	46.820	ug/l	98
61) 1,2-Dibromoethane	8.271	107	307108	48.734	ug/l	100
64) Tetrachloroethene	7.898	164	242536	45.282	ug/l	97
65) Chlorobenzene	8.805	112	802188	45.701	ug/l	99
66) 1,1,1,2-Tetrachloroethane	8.898	131	300500	45.845	ug/l	98
67) Ethyl Benzene	8.937	91	1352529	49.180	ug/l	100
68) m/p-Xylenes	9.062	106	1083858	102.894	ug/l	99
69) o-Xylene	9.468	106	505250	50.204	ug/l	100
70) Styrene	9.484	104	909950	51.786	ug/l	99
71) Bromoform	9.654	173	259457	48.712	ug/l #	98
73) Isopropylbenzene	9.857	105	1418155	49.253	ug/l	99
74) N-amyl acetate	9.725	43	491939	48.811	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.165	83	467180	44.756	ug/l	98
76) 1,2,3-Trichloropropane	10.197	75	353287	46.540	ug/l	98
77) Bromobenzene	10.140	156	346251	46.615	ug/l	99
78) n-propylbenzene	10.278	91	1689281	49.299	ug/l	100
79) 2-Chlorotoluene	10.349	91	995863	47.856	ug/l	99
80) 1,3,5-Trimethylbenzene	10.464	105	1234659	50.151	ug/l	100
81) trans-1,4-Dichloro-2-b...	9.927	75	160569	45.026	ug/l	96
82) 4-Chlorotoluene	10.461	91	1185898	49.432	ug/l	99
83) tert-Butylbenzene	10.789	119	1235040	48.368	ug/l	99
84) 1,2,4-Trimethylbenzene	10.840	105	1219026	50.520	ug/l	100
85) sec-Butylbenzene	11.014	105	1608872	49.492	ug/l	99
86) p-Isopropyltoluene	11.165	119	1385087	49.697	ug/l	100
87) 1,3-Dichlorobenzene	11.104	146	688746	45.610	ug/l	98
88) 1,4-Dichlorobenzene	11.197	146	714051	44.876	ug/l	99
89) n-Butylbenzene	11.580	91	1306845	50.594	ug/l	99
90) Hexachloroethane	11.821	117	267699	44.249	ug/l	98
91) 1,2-Dichlorobenzene	11.567	146	666044	46.795	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.352	75	104995	47.509	ug/l	99
93) 1,2,4-Trichlorobenzene	13.184	180	446060	48.348	ug/l	100
94) Hexachlorobutadiene	13.368	225	204332	45.894	ug/l	96
95) Naphthalene	13.422	128	1495523	50.954	ug/l	100
96) 1,2,3-Trichlorobenzene	13.667	180	458453	48.152	ug/l	98

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

