

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV081325\
 Data File : VV038951.D
 Acq On : 13 Aug 2025 14:33
 Operator : SY/MD
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDICC100

Quant Time: Aug 14 02:25:47 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V081325W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 14 02:22:00 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	4.600	168	562437	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.532	114	898797	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.776	117	855350	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.175	152	506525	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.941	65	744157	95.931	ug/l	0.00
Spiked Amount	50.000	Range	81 - 118	Recovery	= 191.860%#	
35) Dibromofluoromethane	4.500	113	626972	99.021	ug/l	0.00
Spiked Amount	50.000	Range	80 - 119	Recovery	= 198.040%#	
50) Toluene-d8	7.236	98	2268658	102.851	ug/l	0.00
Spiked Amount	50.000	Range	89 - 112	Recovery	= 205.700%#	
62) 4-Bromofluorobenzene	10.001	95	887472	110.733	ug/l	0.00
Spiked Amount	50.000	Range	85 - 114	Recovery	= 221.460%#	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.121	85	737205	97.192	ug/l	100
3) Chloromethane	1.230	50	719357	90.193	ug/l	100
4) Vinyl Chloride	1.294	62	820326	92.884	ug/l	99
5) Bromomethane	1.478	94	455843	76.827	ug/l	98
6) Chloroethane	1.548	64	498331	92.597	ug/l	100
7) Trichlorofluoromethane	1.719	101	1215800	104.929	ug/l	100
8) Diethyl Ether	1.918	74	355225	97.764	ug/l	92
9) 1,1,2-Trichlorotrifluo...	2.079	101	607150	95.905	ug/l	99
10) Methyl Iodide	2.195	142	1091490	127.245	ug/l	99
11) Tert butyl alcohol	2.581	59	711490	464.584	ug/l	99
12) 1,1-Dichloroethene	2.079	96	594117	94.659	ug/l	99
13) Acrolein	2.008	56	303352	499.879	ug/l	98
14) Allyl chloride	2.356	41	1091369	100.454	ug/l	98
15) Acrylonitrile	2.674	53	1955569	455.061	ug/l	100
16) Acetone	2.121	43	1611592	507.540	ug/l	97
17) Carbon Disulfide	2.249	76	1946773	99.289	ug/l	99
18) Methyl Acetate	2.378	43	823305	99.890	ug/l	99
19) Methyl tert-butyl Ether	2.712	73	2053284	90.202	ug/l	98
20) Methylene Chloride	2.455	84	721582	99.948	ug/l	98
21) trans-1,2-Dichloroethene	2.700	96	679657	88.335	ug/l	99
22) Diisopropyl ether	3.217	45	2060001	99.644	ug/l	97
23) Vinyl Acetate	3.188	43	9083322	523.113	ug/l	99
24) 1,1-Dichloroethane	3.118	63	1236759	95.598	ug/l	99
25) 2-Butanone	3.867	43	2412826	508.789	ug/l	100
26) 2,2-Dichloropropane	3.812	77	1086715	95.758	ug/l	100
27) cis-1,2-Dichloroethene	3.815	96	791169	99.687	ug/l	98
28) Bromochloromethane	4.146	49	308893	87.339	ug/l	100
29) Tetrahydrofuran	4.236	42	1577679	516.482	ug/l	100
30) Chloroform	4.278	83	1276886	92.359	ug/l	99
31) Cyclohexane	4.584	56	1083899	95.494	ug/l	99
32) 1,1,1-Trichloroethane	4.513	97	1161332	93.181	ug/l	98
36) 1,1-Dichloropropene	4.741	75	878719	105.522	ug/l	99
37) Ethyl Acetate	3.973	43	950183	96.935	ug/l	100
38) Carbon Tetrachloride	4.735	117	1008885	102.765	ug/l	98
39) Methylcyclohexane	6.047	83	1214987	111.038	ug/l	98
40) Benzene	5.008	78	2729534	100.000	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.156	41	451455	120.393	ug/l	99
42) 1,2-Dichloroethane	5.037	62	919930	97.868	ug/l	99
43) Isopropyl Acetate	5.195	43	1505245	113.339	ug/l	99
44) Trichloroethene	5.828	130	690961	97.796	ug/l	97
45) 1,2-Dichloropropane	6.088	63	659842	103.713	ug/l	96
46) Dibromomethane	6.223	93	506596	99.361	ug/l	99
47) Bromodichloromethane	6.426	83	1029080	100.413	ug/l	99
48) Methyl methacrylate	6.294	41	716883	117.168	ug/l	100
49) 1,4-Dioxane	6.288	88	257035	2122.790	ug/l	99
51) 4-Methyl-2-Pentanone	7.150	43	4885516	540.978	ug/l	98
52) Toluene	7.307	92	1765886	106.060	ug/l	99
53) t-1,3-Dichloropropene	7.574	75	1068529	109.360	ug/l	99
54) cis-1,3-Dichloropropene	6.947	75	1129383	105.274	ug/l	99
55) 1,1,2-Trichloroethane	7.760	97	691385	99.391	ug/l	99
56) Ethyl methacrylate	7.715	69	1103582	122.359	ug/l	99
57) 1,3-Dichloropropane	7.934	76	1133268	102.490	ug/l	100
58) 2-Chloroethyl Vinyl ether	6.812	63	2963015	504.357	ug/l	100
59) 2-Hexanone	8.066	43	3753379	563.616	ug/l	99
60) Dibromochloromethane	8.169	129	828834	98.625	ug/l	99
61) 1,2-Dibromoethane	8.275	107	749628	100.129	ug/l	99
64) Tetrachloroethene	7.899	164	618996	95.648	ug/l	98
65) Chlorobenzene	8.805	112	1972973	98.252	ug/l	100
66) 1,1,1,2-Tetrachloroethane	8.899	131	699532	100.233	ug/l	100
67) Ethyl Benzene	8.937	91	3442656	113.500	ug/l	100
68) m/p-Xylenes	9.063	106	2699026	227.242	ug/l	100
69) o-Xylene	9.468	106	1279000	117.233	ug/l	98
70) Styrene	9.484	104	2244271	118.168	ug/l	99
71) Bromoform	9.654	173	604916	106.664	ug/l #	99
73) Isopropylbenzene	9.857	105	3480257	107.305	ug/l	99
74) N-amyl acetate	9.725	43	1431314	114.264	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.165	83	1148265	91.237	ug/l	99
76) 1,2,3-Trichloropropane	10.198	75	900757	94.346	ug/l	80
77) Bromobenzene	10.140	156	831292	99.078	ug/l	99
78) n-propylbenzene	10.278	91	4227535	108.924	ug/l	100
79) 2-Chlorotoluene	10.349	91	2456532	103.545	ug/l	99
80) 1,3,5-Trimethylbenzene	10.464	105	3035243	110.916	ug/l	100
81) trans-1,4-Dichloro-2-b...	9.928	75	427284	109.707	ug/l	97
82) 4-Chlorotoluene	10.461	91	2938656	107.528	ug/l	100
83) tert-Butylbenzene	10.789	119	3029438	110.408	ug/l	99
84) 1,2,4-Trimethylbenzene	10.841	105	3032436	115.216	ug/l	99
85) sec-Butylbenzene	11.014	105	3994980	111.584	ug/l	100
86) p-Isopropyltoluene	11.165	119	3391062	110.879	ug/l	100
87) 1,3-Dichlorobenzene	11.104	146	1673284	97.284	ug/l	100
88) 1,4-Dichlorobenzene	11.198	146	1702327	91.137	ug/l	100
89) n-Butylbenzene	11.580	91	3300010	114.150	ug/l	99
90) Hexachloroethane	11.821	117	671221	99.782	ug/l	98
91) 1,2-Dichlorobenzene	11.567	146	1617571	100.364	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.352	75	276783	100.069	ug/l	99
93) 1,2,4-Trichlorobenzene	13.185	180	1111329	111.732	ug/l	100
94) Hexachlorobutadiene	13.371	225	485842	98.302	ug/l	99
95) Naphthalene	13.423	128	3876760	123.985	ug/l	100
96) 1,2,3-Trichlorobenzene	13.667	180	1117118	110.955	ug/l	99

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

