

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV080825\
 Data File : VV038930.D
 Acq On : 08 Aug 2025 11:56
 Operator : SY/MD
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDICC100

Quant Time: Aug 11 05:06:59 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V080825W.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 11 04:47:10 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	4.597	168	561814	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.529	114	880492	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.773	117	838919	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.172	152	504654	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.934	65	728697	90.190	ug/l	0.00
Spiked Amount	50.000	Range	81 - 118	Recovery	= 180.380%#	
35) Dibromofluoromethane	4.494	113	614488	91.992	ug/l	0.00
Spiked Amount	50.000	Range	80 - 119	Recovery	= 183.980%#	
50) Toluene-d8	7.233	98	2230237	96.404	ug/l	0.00
Spiked Amount	50.000	Range	89 - 112	Recovery	= 192.800%#	
62) 4-Bromofluorobenzene	9.998	95	862217	103.486	ug/l	0.00
Spiked Amount	50.000	Range	85 - 114	Recovery	= 206.980%#	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.118	85	391103	103.467	ug/l	100
3) Chloromethane	1.230	50	352113	97.630	ug/l	98
4) Vinyl Chloride	1.294	62	438276	98.897	ug/l	100
5) Bromomethane	1.478	94	277597	79.909	ug/l	97
6) Chloroethane	1.548	64	316726	99.363	ug/l	99
7) Trichlorofluoromethane	1.719	101	848870	96.724	ug/l	98
8) Diethyl Ether	1.915	74	323365	98.809	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.076	101	525930	93.810	ug/l	98
10) Methyl Iodide	2.192	142	664161	100.811	ug/l	99
11) Tert butyl alcohol	2.577	59	672628	492.238	ug/l	100
12) 1,1-Dichloroethene	2.076	96	442074	95.145	ug/l	97
13) Acrolein	2.005	56	476245	507.837	ug/l	100
14) Allyl chloride	2.352	41	785158	96.633	ug/l	100
15) Acrylonitrile	2.671	53	1698783	470.896	ug/l	100
16) Acetone	2.118	43	1360706	469.170	ug/l	99
17) Carbon Disulfide	2.246	76	733002	97.697	ug/l	100
18) Methyl Acetate	2.375	43	1192118	100.248	ug/l	100
19) Methyl tert-butyl Ether	2.709	73	1864809	97.544	ug/l	100
20) Methylene Chloride	2.452	84	546805	99.907	ug/l	99
21) trans-1,2-Dichloroethene	2.696	96	465682	92.212	ug/l	98
22) Diisopropyl ether	3.211	45	1706250	103.844	ug/l	90
23) Vinyl Acetate	3.185	43	6464803	529.650	ug/l	100
24) 1,1-Dichloroethane	3.114	63	996795	94.594	ug/l	99
25) 2-Butanone	3.860	43	2031769	551.192	ug/l	98
26) 2,2-Dichloropropane	3.806	77	920351	98.568	ug/l	99
27) cis-1,2-Dichloroethene	3.812	96	617431	101.476	ug/l	98
28) Bromochloromethane	4.140	49	305913	99.635	ug/l	100
29) Tetrahydrofuran	4.230	42	1277483	522.024	ug/l	99
30) Chloroform	4.275	83	1084708	94.602	ug/l	98
31) Cyclohexane	4.577	56	624269	96.177	ug/l	94
32) 1,1,1-Trichloroethane	4.510	97	951047	96.440	ug/l	98
36) 1,1-Dichloropropene	4.738	75	622890	105.739	ug/l	97
37) Ethyl Acetate	3.970	43	731194	94.509	ug/l	99
38) Carbon Tetrachloride	4.728	117	805268	102.415	ug/l	98
39) Methylcyclohexane	6.043	83	742332	115.165	ug/l	99
40) Benzene	5.005	78	2049119	104.560	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.153	41	387984	122.181	ug/l	99
42) 1,2-Dichloroethane	5.034	62	751020	98.634	ug/l	99
43) Isopropyl Acetate	5.188	43	1206477	110.440	ug/l	99
44) Trichloroethene	5.825	130	534569	103.663	ug/l	91
45) 1,2-Dichloropropane	6.085	63	550144	103.810	ug/l	100
46) Dibromomethane	6.220	93	418182	103.221	ug/l	99
47) Bromodichloromethane	6.423	83	892850	99.197	ug/l	98
48) Methyl methacrylate	6.291	41	587617	126.090	ug/l	99
49) 1,4-Dioxane	6.285	88	231427	2239.186	ug/l	97
51) 4-Methyl-2-Pentanone	7.146	43	4287956	566.274	ug/l	100
52) Toluene	7.304	92	1363920	110.235	ug/l	99
53) t-1,3-Dichloropropene	7.571	75	899951	114.291	ug/l	99
54) cis-1,3-Dichloropropene	6.944	75	936742	108.967	ug/l	99
55) 1,1,2-Trichloroethane	7.757	97	610357	100.806	ug/l	99
56) Ethyl methacrylate	7.712	69	942628	99.914	ug/l	99
57) 1,3-Dichloropropane	7.931	76	984071	106.253	ug/l	99
58) 2-Chloroethyl Vinyl ether	6.809	63	2043788	575.275	ug/l	100
59) 2-Hexanone	8.063	43	3276785	599.511	ug/l	98
60) Dibromochloromethane	8.166	129	760100	102.520	ug/l	99
61) 1,2-Dibromoethane	8.272	107	629520	104.736	ug/l	100
64) Tetrachloroethene	7.895	164	476927	96.865	ug/l	98
65) Chlorobenzene	8.802	112	1667144	101.658	ug/l	99
66) 1,1,1,2-Tetrachloroethane	8.895	131	635051	98.452	ug/l	99
67) Ethyl Benzene	8.934	91	2804102	116.414	ug/l	100
68) m/p-Xylenes	9.063	106	2207474	237.793	ug/l	99
69) o-Xylene	9.468	106	1067521	122.291	ug/l	98
70) Styrene	9.484	104	1909231	121.481	ug/l	100
71) Bromoform	9.654	173	562490	103.770	ug/l #	99
73) Isopropylbenzene	9.854	105	2936537	111.483	ug/l	100
74) N-amyl acetate	9.722	43	1130502	122.129	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.165	83	1038967	92.252	ug/l	100
76) 1,2,3-Trichloropropane	10.198	75	820347	99.420	ug/l	97
77) Bromobenzene	10.140	156	735397	104.000	ug/l	98
78) n-propylbenzene	10.278	91	3561486	114.613	ug/l	100
79) 2-Chlorotoluene	10.349	91	2101327	110.174	ug/l	99
80) 1,3,5-Trimethylbenzene	10.464	105	2590503	116.561	ug/l	99
81) trans-1,4-Dichloro-2-b...	9.928	75	380050	115.399	ug/l	99
82) 4-Chlorotoluene	10.461	91	2526476	113.262	ug/l	100
83) tert-Butylbenzene	10.789	119	2672557	112.886	ug/l	99
84) 1,2,4-Trimethylbenzene	10.837	105	2600031	117.880	ug/l	99
85) sec-Butylbenzene	11.011	105	3450624	115.347	ug/l	100
86) p-Isopropyltoluene	11.165	119	2977556	114.257	ug/l	100
87) 1,3-Dichlorobenzene	11.104	146	1509149	102.102	ug/l	99
88) 1,4-Dichlorobenzene	11.198	146	1535075	95.367	ug/l	99
89) n-Butylbenzene	11.580	91	2865445	118.939	ug/l	98
90) Hexachloroethane	11.821	117	606387	98.641	ug/l	99
91) 1,2-Dichlorobenzene	11.567	146	1465183	104.870	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.349	75	254454	103.157	ug/l	97
93) 1,2,4-Trichlorobenzene	13.185	180	1020233	115.773	ug/l	100
94) Hexachlorobutadiene	13.368	225	456888	98.119	ug/l	99
95) Naphthalene	13.423	128	3555396	128.575	ug/l	99
96) 1,2,3-Trichlorobenzene	13.667	180	1035982	114.878	ug/l	100

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

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