

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV081325\
 Data File : VV038948.D
 Acq On : 13 Aug 2025 13:23
 Operator : SY/MD
 Sample : VSTDIC010
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDIC010

Quant Time: Aug 14 02:24:12 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	4.597	168	518998	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.532	114	845724	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.776	117	790929	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.172	152	434581	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.947	65	69799	9.751	ug/l	0.00
Spiked Amount	50.000	Range	81 - 118	Recovery	=	19.500%#
35) Dibromofluoromethane	4.503	113	58492	9.818	ug/l	0.00
Spiked Amount	50.000	Range	80 - 119	Recovery	=	19.640%#
50) Toluene-d8	7.240	98	197504	9.516	ug/l	0.00
Spiked Amount	50.000	Range	89 - 112	Recovery	=	19.040%#
62) 4-Bromofluorobenzene	10.005	95	70109	9.297	ug/l	0.00
Spiked Amount	50.000	Range	85 - 114	Recovery	=	18.600%#
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.121	85	74321	10.618	ug/l	98
3) Chloromethane	1.230	50	73906	10.042	ug/l	97
4) Vinyl Chloride	1.294	62	82189	10.085	ug/l	100
5) Bromomethane	1.500	94	61195	11.177	ug/l	100
6) Chloroethane	1.561	64	52000	10.471	ug/l	99
7) Trichlorofluoromethane	1.725	101	109928	10.281	ug/l	97
8) Diethyl Ether	1.918	74	36995	11.034	ug/l	91
9) 1,1,2-Trichlorotrifluo...	2.079	101	61874	10.592	ug/l	99
10) Methyl Iodide	2.198	142	78196	9.879	ug/l	99
11) Tert butyl alcohol	2.571	59	74477	52.702	ug/l	97
12) 1,1-Dichloroethene	2.082	96	58105	10.033	ug/l	98
13) Acrolein	2.011	56	28785	42.951	ug/l	98
14) Allyl chloride	2.359	41	89749	8.952	ug/l	99
15) Acrylonitrile	2.677	53	206667	52.117	ug/l	98
16) Acetone	2.121	43	141369	48.248	ug/l	99
17) Carbon Disulfide	2.253	76	161337	8.917	ug/l	100
18) Methyl Acetate	2.378	43	59752	7.856	ug/l	97
19) Methyl tert-butyl Ether	2.712	73	217833	10.370	ug/l	97
20) Methylene Chloride	2.458	84	64872	9.171	ug/l	95
21) trans-1,2-Dichloroethene	2.703	96	74234	10.456	ug/l	96
22) Diisopropyl ether	3.217	45	200501	10.510	ug/l	90
23) Vinyl Acetate	3.191	43	847971	52.923	ug/l	99
24) 1,1-Dichloroethane	3.118	63	133488	11.182	ug/l	98
25) 2-Butanone	3.876	43	226455	51.749	ug/l	100
26) 2,2-Dichloropropane	3.809	77	108943	10.403	ug/l	98
27) cis-1,2-Dichloroethene	3.822	96	74294	10.145	ug/l	98
28) Bromochloromethane	4.150	49	30535	9.356	ug/l	97
29) Tetrahydrofuran	4.243	42	142225	50.457	ug/l	99
30) Chloroform	4.281	83	136463	10.697	ug/l	98
31) Cyclohexane	4.584	56	109304	10.436	ug/l #	89
32) 1,1,1-Trichloroethane	4.513	97	118295	10.286	ug/l	99
36) 1,1-Dichloropropene	4.751	75	81416	10.390	ug/l	98
37) Ethyl Acetate	3.989	43	94340	10.228	ug/l	97
38) Carbon Tetrachloride	4.735	117	97728	10.579	ug/l	97
39) Methylcyclohexane	6.047	83	101454	9.854	ug/l	97
40) Benzene	5.011	78	268095	10.438	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.172	41	35459	10.050	ug/l #	90
42) 1,2-Dichloroethane	5.043	62	94432	10.677	ug/l	98
43) Isopropyl Acetate	5.198	43	130917	10.476	ug/l	98
44) Trichloroethene	5.834	130	67290	10.122	ug/l	99
45) 1,2-Dichloropropane	6.092	63	64022	10.694	ug/l	100
46) Dibromomethane	6.230	93	51479	10.730	ug/l	97
47) Bromodichloromethane	6.429	83	102861	10.667	ug/l	97
48) Methyl methacrylate	6.304	41	52123	9.054	ug/l	94
49) 1,4-Dioxane	6.297	88	22232	195.131	ug/l	93
51) 4-Methyl-2-Pentanone	7.150	43	452954	53.304	ug/l	100
52) Toluene	7.314	92	168012	10.724	ug/l	96
53) t-1,3-Dichloropropene	7.580	75	95462	10.383	ug/l	98
54) cis-1,3-Dichloropropene	6.953	75	104006	10.303	ug/l	96
55) 1,1,2-Trichloroethane	7.764	97	72324	11.049	ug/l	99
56) Ethyl methacrylate	7.722	69	81641	9.620	ug/l	99
57) 1,3-Dichloropropane	7.937	76	111282	10.696	ug/l	98
58) 2-Chloroethyl Vinyl ether	6.815	63	246857	51.103	ug/l	99
59) 2-Hexanone	8.069	43	323675	51.654	ug/l	98
60) Dibromochloromethane	8.169	129	81471	10.303	ug/l	100
61) 1,2-Dibromoethane	8.278	107	76320	10.834	ug/l	97
64) Tetrachloroethene	7.899	164	60820	10.163	ug/l	97
65) Chlorobenzene	8.805	112	190319	10.250	ug/l	98
66) 1,1,1,2-Tetrachloroethane	8.899	131	68833	10.666	ug/l	99
67) Ethyl Benzene	8.940	91	286822	10.226	ug/l	98
68) m/p-Xylenes	9.066	106	225177	20.503	ug/l	100
69) o-Xylene	9.471	106	98616	9.775	ug/l	98
70) Styrene	9.490	104	175532	9.995	ug/l	100
71) Bromoform	9.657	173	55670	10.616	ug/l #	99
73) Isopropylbenzene	9.857	105	280531	10.081	ug/l	100
74) N-amyl acetate	9.728	43	99318	9.241	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.169	83	113353	10.498	ug/l	99
76) 1,2,3-Trichloropropane	10.201	75	84381	10.301	ug/l	96
77) Bromobenzene	10.143	156	73470	10.206	ug/l	97
78) n-propylbenzene	10.278	91	328553	9.867	ug/l	99
79) 2-Chlorotoluene	10.349	91	209753	10.305	ug/l	100
80) 1,3,5-Trimethylbenzene	10.468	105	237239	10.105	ug/l	99
81) trans-1,4-Dichloro-2-b...	9.931	75	32339	9.678	ug/l	94
82) 4-Chlorotoluene	10.464	91	240336	10.250	ug/l	98
83) tert-Butylbenzene	10.792	119	229546	9.751	ug/l	98
84) 1,2,4-Trimethylbenzene	10.841	105	228781	10.131	ug/l	99
85) sec-Butylbenzene	11.014	105	306182	9.968	ug/l	99
86) p-Isopropyltoluene	11.169	119	260458	9.926	ug/l	98
87) 1,3-Dichlorobenzene	11.108	146	151757	10.284	ug/l	99
88) 1,4-Dichlorobenzene	11.198	146	162213	10.122	ug/l	98
89) n-Butylbenzene	11.583	91	241405	9.733	ug/l	98
90) Hexachloroethane	11.821	117	59252	10.266	ug/l	100
91) 1,2-Dichlorobenzene	11.571	146	137430	9.939	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.355	75	23374	9.850	ug/l	97
93) 1,2,4-Trichlorobenzene	13.188	180	78500	9.199	ug/l	97
94) Hexachlorobutadiene	13.371	225	42550	10.035	ug/l	100
95) Naphthalene	13.429	128	245596	9.155	ug/l	99
96) 1,2,3-Trichlorobenzene	13.667	180	82536	9.555	ug/l	97

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

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