

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV071125\
 Data File : VV038887.D
 Acq On : 11 Jul 2025 14:38
 Operator : SY/MD
 Sample : VSTDICC010
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDICC010

Quant Time: Jul 14 06:11:44 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V071125W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 14 06:07:21 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	4.596	168	434291	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.532	114	715091	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.773	117	675069	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.175	152	371006	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.947	65	54651	10.299	ug/l	0.00
Spiked Amount	50.000	Range	81 - 118	Recovery	=	20.600%#
35) Dibromofluoromethane	4.503	113	46356	9.508	ug/l	0.00
Spiked Amount	50.000	Range	80 - 119	Recovery	=	19.020%#
50) Toluene-d8	7.239	98	138202	9.378	ug/l	0.00
Spiked Amount	50.000	Range	89 - 112	Recovery	=	18.760%#
62) 4-Bromofluorobenzene	10.008	95	56404	9.501	ug/l	0.00
Spiked Amount	50.000	Range	85 - 114	Recovery	=	19.000%#

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.121	85	36497	9.564	ug/l	96
3) Chloromethane	1.230	50	40491	9.826	ug/l	99
4) Vinyl Chloride	1.294	62	47036	9.973	ug/l	93
5) Bromomethane	1.500	94	39684	9.829	ug/l	96
6) Chloroethane	1.561	64	33589	10.655	ug/l	97
7) Trichlorofluoromethane	1.725	101	87397	10.473	ug/l	98
8) Diethyl Ether	1.918	74	33532	11.174	ug/l	90
9) 1,1,2-Trichlorotrifluo...	2.079	101	52681	10.558	ug/l	99
10) Methyl Iodide	2.195	142	50477	8.812	ug/l	99
11) Tert butyl alcohol	2.564	59	72082	59.004	ug/l	99
12) 1,1-Dichloroethene	2.082	96	45107	9.921	ug/l	99
13) Acrolein	2.011	56	7361	41.666	ug/l #	78
14) Allyl chloride	2.359	41	78150	10.789	ug/l	99
15) Acrylonitrile	2.674	53	175575	56.162	ug/l	100
16) Acetone	2.121	43	145379	63.314	ug/l	99
17) Carbon Disulfide	2.252	76	85336	9.858	ug/l	99
18) Methyl Acetate	2.381	43	93709	12.062	ug/l	100
19) Methyl tert-butyl Ether	2.712	73	190771	11.191	ug/l	99
20) Methylene Chloride	2.455	84	59893	10.282	ug/l	98
21) trans-1,2-Dichloroethene	2.703	96	48327	9.990	ug/l	97
22) Diisopropyl ether	3.217	45	165595	11.442	ug/l	100
23) Vinyl Acetate	3.191	43	610054	53.758	ug/l	98
24) 1,1-Dichloroethane	3.117	63	103359	10.905	ug/l	99
25) 2-Butanone	3.873	43	188397	57.312	ug/l	97
26) 2,2-Dichloropropane	3.809	77	84956	10.238	ug/l	97
27) cis-1,2-Dichloroethene	3.825	96	57714	10.390	ug/l	98
28) Bromochloromethane	4.149	49	36165	9.857	ug/l	98
29) Tetrahydrofuran	4.243	42	119237	54.971	ug/l	95
30) Chloroform	4.278	83	115325	11.036	ug/l	98
31) Cyclohexane	4.580	56	63789	10.253	ug/l	96
32) 1,1,1-Trichloroethane	4.510	97	100690	11.044	ug/l	96
36) 1,1-Dichloropropene	4.747	75	52643	9.395	ug/l	96
37) Ethyl Acetate	3.989	43	68638	10.404	ug/l	94
38) Carbon Tetrachloride	4.731	117	72664	9.763	ug/l	98
39) Methylcyclohexane	6.050	83	62872	9.510	ug/l	95
40) Benzene	5.011	78	200286	10.544	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.169	41	28998	9.700	ug/l	90
42) 1,2-Dichloroethane	5.043	62	74928	10.349	ug/l	100
43) Isopropyl Acetate	5.201	43	107378	10.292	ug/l	98
44) Trichloroethene	5.834	130	50839	10.243	ug/l	98
45) 1,2-Dichloropropane	6.091	63	52109	10.385	ug/l	97
46) Dibromomethane	6.230	93	41228	10.620	ug/l	98
47) Bromodichloromethane	6.429	83	87790	10.655	ug/l	93
48) Methyl methacrylate	6.307	41	42800	9.367	ug/l	93
49) 1,4-Dioxane	6.294	88	21545	219.703	ug/l	95
51) 4-Methyl-2-Pentanone	7.149	43	396913	55.869	ug/l	98
52) Toluene	7.310	92	125793	10.512	ug/l	99
53) t-1,3-Dichloropropene	7.580	75	76111	10.209	ug/l	99
54) cis-1,3-Dichloropropene	6.953	75	83567	10.369	ug/l	97
55) 1,1,2-Trichloroethane	7.763	97	60997	10.665	ug/l	97
56) Ethyl methacrylate	7.722	69	71111	10.463	ug/l	98
57) 1,3-Dichloropropane	7.937	76	91836	10.709	ug/l	98
58) 2-Chloroethyl Vinyl ether	6.815	63	169453	41.340	ug/l	98
59) 2-Hexanone	8.069	43	283236	53.557	ug/l	96
60) Dibromochloromethane	8.169	129	72928	10.828	ug/l	100
61) 1,2-Dibromoethane	8.275	107	63434	11.009	ug/l	94
64) Tetrachloroethene	7.899	164	45019	10.168	ug/l	96
65) Chlorobenzene	8.805	112	151630	10.280	ug/l	95
66) 1,1,1,2-Tetrachloroethane	8.898	131	63016	10.713	ug/l	99
67) Ethyl Benzene	8.940	91	224933	10.270	ug/l	100
68) m/p-Xylenes	9.066	106	174808	20.500	ug/l	99
69) o-Xylene	9.471	106	84887	10.547	ug/l	91
70) Styrene	9.490	104	145592	10.235	ug/l	98
71) Bromoform	9.657	173	51021	10.671	ug/l #	97
73) Isopropylbenzene	9.857	105	232481	10.487	ug/l	100
74) N-amyl acetate	9.728	43	86428	10.643	ug/l	97
75) 1,1,2,2-Tetrachloroethane	10.165	83	105206	11.330	ug/l	97
76) 1,2,3-Trichloropropane	10.201	75	78348	11.358	ug/l	77
77) Bromobenzene	10.143	156	62428	10.736	ug/l	97
78) n-propylbenzene	10.278	91	271734	10.488	ug/l	99
79) 2-Chlorotoluene	10.349	91	174450	10.587	ug/l	99
80) 1,3,5-Trimethylbenzene	10.468	105	197610	10.571	ug/l	99
81) trans-1,4-Dichloro-2-b...	9.934	75	29748	10.524	ug/l	95
82) 4-Chlorotoluene	10.464	91	195456	10.612	ug/l	99
83) tert-Butylbenzene	10.789	119	204673	10.443	ug/l	99
84) 1,2,4-Trimethylbenzene	10.841	105	190985	10.383	ug/l	99
85) sec-Butylbenzene	11.014	105	260761	10.424	ug/l	100
86) p-Isopropyltoluene	11.168	119	219003	10.312	ug/l	98
87) 1,3-Dichlorobenzene	11.107	146	128005	10.784	ug/l	99
88) 1,4-Dichlorobenzene	11.197	146	132944	10.296	ug/l	95
89) n-Butylbenzene	11.583	91	192052	9.905	ug/l	99
90) Hexachloroethane	11.821	117	51317	10.159	ug/l	100
91) 1,2-Dichlorobenzene	11.570	146	123742	10.739	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.355	75	21180	10.089	ug/l	93
93) 1,2,4-Trichlorobenzene	13.188	180	68322	10.045	ug/l	99
94) Hexachlorobutadiene	13.368	225	35108	10.023	ug/l	98
95) Naphthalene	13.426	128	220060	9.777	ug/l	99
96) 1,2,3-Trichlorobenzene	13.670	180	72753	10.320	ug/l	98

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

