

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VW070725\
 Data File : VW038864.D
 Acq On : 07 Jul 2025 08:58
 Operator : SY/MD
 Sample : VSTDC0050
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDC0050

Quant Time: Jul 08 02:37:22 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V070225W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 08 02:37:09 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	4.600	168	542061	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.532	114	863686	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.776	117	800201	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.172	152	451718	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.940	65	293934	48.383	ug/l	0.00
Spiked Amount	50.000	Range	81 - 118	Recovery	=	96.760%
35) Dibromofluoromethane	4.500	113	273332	49.962	ug/l	0.00
Spiked Amount	50.000	Range	80 - 119	Recovery	=	99.920%
50) Toluene-d8	7.236	98	855454	48.330	ug/l	0.00
Spiked Amount	50.000	Range	89 - 112	Recovery	=	96.660%
62) 4-Bromofluorobenzene	9.998	95	358700	50.160	ug/l	0.00
Spiked Amount	50.000	Range	85 - 114	Recovery	=	100.320%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.121	85	231109	44.914	ug/l	100
3) Chloromethane	1.230	50	232446	36.817	ug/l	99
4) Vinyl Chloride	1.294	62	261280	44.503	ug/l	99
5) Bromomethane	1.494	94	183696	51.270	ug/l	98
6) Chloroethane	1.558	64	173636	44.115	ug/l	98
7) Trichlorofluoromethane	1.725	101	462712	44.545	ug/l	96
8) Diethyl Ether	1.918	74	168861	46.716	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.079	101	278050	47.340	ug/l	99
10) Methyl Iodide	2.195	142	331461	44.479	ug/l	99
11) Tert butyl alcohol	2.561	59	222393	280.452	ug/l	98
12) 1,1-Dichloroethene	2.082	96	247033	44.252	ug/l	96
13) Acrolein	2.011	56	58865	297.289	ug/l	95
14) Allyl chloride	2.359	41	374284	49.856	ug/l	97
15) Acrylonitrile	2.670	53	767923	276.840	ug/l	100
16) Acetone	2.117	43	544062	268.739	ug/l	100
17) Carbon Disulfide	2.252	76	498373	38.540	ug/l	100
18) Methyl Acetate	2.378	43	379834	55.023	ug/l	98
19) Methyl tert-butyl Ether	2.709	73	932003	53.998	ug/l	99
20) Methylene Chloride	2.455	84	297201	44.420	ug/l	94
21) trans-1,2-Dichloroethene	2.703	96	260171	46.603	ug/l	98
22) Diisopropyl ether	3.211	45	855526	55.586	ug/l	91
23) Vinyl Acetate	3.185	43	3196888	288.049	ug/l	100
24) 1,1-Dichloroethane	3.121	63	505673	48.737	ug/l	100
25) 2-Butanone	3.857	43	846998	282.912	ug/l	100
26) 2,2-Dichloropropane	3.812	77	472984	49.185	ug/l	100
27) cis-1,2-Dichloroethene	3.821	96	328757	50.533	ug/l	99
28) Bromochloromethane	4.146	49	215892	48.686	ug/l	100
29) Tetrahydrofuran	4.227	42	564487	278.398	ug/l	100
30) Chloroform	4.278	83	570850	50.497	ug/l	99
31) Cyclohexane	4.584	56	362597	44.129	ug/l	98
32) 1,1,1-Trichloroethane	4.513	97	509020	48.516	ug/l	99
36) 1,1-Dichloropropene	4.747	75	331718	49.969	ug/l	97
37) Ethyl Acetate	3.969	43	349115	51.538	ug/l	96
38) Carbon Tetrachloride	4.735	117	430473	49.266	ug/l	100
39) Methylcyclohexane	6.046	83	407436	46.941	ug/l	99
40) Benzene	5.008	78	1095361	49.969	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.153	41	167378	57.542	ug/l	98
42) 1,2-Dichloroethane	5.040	62	396807	51.130	ug/l	99
43) Isopropyl Acetate	5.188	43	570991	52.837	ug/l	99
44) Trichloroethene	5.831	130	282924	49.456	ug/l	95
45) 1,2-Dichloropropane	6.088	63	286138	51.975	ug/l	100
46) Dibromomethane	6.223	93	210917	48.581	ug/l	99
47) Bromodichloromethane	6.426	83	457478	49.764	ug/l	96
48) Methyl methacrylate	6.294	41	266269	51.818	ug/l	97
49) 1,4-Dioxane	6.281	88	75992	1066.917	ug/l	97
51) 4-Methyl-2-Pentanone	7.143	43	1917676	281.207	ug/l	99
52) Toluene	7.307	92	714015	52.134	ug/l	100
53) t-1,3-Dichloropropene	7.574	75	459787	52.243	ug/l	100
54) cis-1,3-Dichloropropene	6.947	75	480613	53.409	ug/l	99
55) 1,1,2-Trichloroethane	7.760	97	310008	51.763	ug/l	98
56) Ethyl methacrylate	7.712	69	443931	56.344	ug/l	100
57) 1,3-Dichloropropane	7.934	76	493531	52.311	ug/l	99
58) 2-Chloroethyl Vinyl ether	6.809	63	935656	261.531	ug/l	99
59) 2-Hexanone	8.059	43	1345504	279.735	ug/l	99
60) Dibromochloromethane	8.169	129	379701	50.353	ug/l	99
61) 1,2-Dibromoethane	8.271	107	324397	52.355	ug/l	99
64) Tetrachloroethene	7.895	164	245088	47.629	ug/l	98
65) Chlorobenzene	8.802	112	838086	49.698	ug/l	99
66) 1,1,1,2-Tetrachloroethane	8.898	131	315307	50.071	ug/l	98
67) Ethyl Benzene	8.937	91	1389452	52.589	ug/l	100
68) m/p-Xylenes	9.062	106	1107827	109.470	ug/l	100
69) o-Xylene	9.468	106	527112	54.517	ug/l	99
70) Styrene	9.484	104	940648	55.722	ug/l	100
71) Bromoform	9.654	173	272485	53.249	ug/l	100
73) Isopropylbenzene	9.857	105	1459981	55.072	ug/l	100
74) N-amyl acetate	9.722	43	520460	56.088	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.165	83	493008	51.298	ug/l	99
76) 1,2,3-Trichloropropane	10.197	75	371822	53.200	ug/l	98
77) Bromobenzene	10.140	156	367970	53.805	ug/l	97
78) n-propylbenzene	10.278	91	1742646	55.237	ug/l	100
79) 2-Chlorotoluene	10.349	91	1033867	53.960	ug/l	100
80) 1,3,5-Trimethylbenzene	10.464	105	1251012	55.191	ug/l	98
81) trans-1,4-Dichloro-2-b...	9.927	75	171899	52.354	ug/l	98
82) 4-Chlorotoluene	10.461	91	1208017	54.691	ug/l	99
83) tert-Butylbenzene	10.789	119	1288120	54.791	ug/l	98
84) 1,2,4-Trimethylbenzene	10.837	105	1257634	56.608	ug/l	99
85) sec-Butylbenzene	11.011	105	1656500	55.346	ug/l	100
86) p-Isopropyltoluene	11.165	119	1414053	55.105	ug/l	99
87) 1,3-Dichlorobenzene	11.104	146	719925	51.780	ug/l	99
88) 1,4-Dichlorobenzene	11.197	146	735929	50.234	ug/l	99
89) n-Butylbenzene	11.580	91	1326081	55.760	ug/l	99
90) Hexachloroethane	11.821	117	276049	49.559	ug/l	100
91) 1,2-Dichlorobenzene	11.567	146	690326	52.677	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.348	75	108610	53.377	ug/l	99
93) 1,2,4-Trichlorobenzene	13.184	180	463556	54.572	ug/l	100
94) Hexachlorobutadiene	13.368	225	203452	49.632	ug/l	99
95) Naphthalene	13.422	128	1523012	56.360	ug/l	100
96) 1,2,3-Trichlorobenzene	13.664	180	469761	53.589	ug/l	98

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

