

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV082125\
 Data File : VV039007.D
 Acq On : 22 Aug 2025 01:03
 Operator : SY/MD
 Sample : VSTDC0050
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDC0050EC

Quant Time: Aug 22 06:14:40 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V082125W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 22 04:15:04 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	4.600	168	603405	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.532	114	983404	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.776	117	917500	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.172	152	479428	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.940	65	375716	44.375	ug/l	0.00
Spiked Amount	50.000	Range	81 - 118	Recovery	=	88.760%
35) Dibromofluoromethane	4.503	113	323199	43.823	ug/l	0.00
Spiked Amount	50.000	Range	80 - 119	Recovery	=	87.640%
50) Toluene-d8	7.236	98	1167068	45.381	ug/l	0.00
Spiked Amount	50.000	Range	89 - 112	Recovery	=	90.760%
62) 4-Bromofluorobenzene	10.001	95	459116	48.801	ug/l	0.00
Spiked Amount	50.000	Range	85 - 114	Recovery	=	97.600%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.121	85	331808	36.785	ug/l	98
3) Chloromethane	1.227	50	276184	29.642	ug/l	99
4) Vinyl Chloride	1.294	62	336500	34.228	ug/l	93
5) Bromomethane	1.494	94	159476	30.016	ug/l	99
6) Chloroethane	1.558	64	210915	42.102	ug/l	99
7) Trichlorofluoromethane	1.725	101	593093	44.037	ug/l	100
8) Diethyl Ether	1.915	74	199329	48.127	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.079	101	324636	43.668	ug/l	98
10) Methyl Iodide	2.195	142	363653	39.318	ug/l	97
11) Tert butyl alcohol	2.561	59	339170	295.971	ug/l	100
12) 1,1-Dichloroethene	2.079	96	321500	46.947	ug/l	99
13) Acrolein	2.008	56	84236	225.054	ug/l	97
14) Allyl chloride	2.359	41	427510	46.755	ug/l	97
15) Acrylonitrile	2.670	53	839789	242.488	ug/l	99
16) Acetone	2.117	43	683037	200.999	ug/l	99
17) Carbon Disulfide	2.252	76	873305	45.849	ug/l	100
18) Methyl Acetate	2.378	43	357695	49.661	ug/l	99
19) Methyl tert-butyl Ether	2.709	73	1087418	53.701	ug/l	99
20) Methylene Chloride	2.455	84	347619	44.019	ug/l	98
21) trans-1,2-Dichloroethene	2.703	96	342822	48.063	ug/l	100
22) Diisopropyl ether	3.211	45	897507	44.707	ug/l	99
23) Vinyl Acetate	3.185	43	3838658	238.304	ug/l	100
24) 1,1-Dichloroethane	3.117	63	564145	42.423	ug/l	99
25) 2-Butanone	3.857	43	1036758	234.484	ug/l	97
26) 2,2-Dichloropropane	3.812	77	424763	33.297	ug/l	98
27) cis-1,2-Dichloroethene	3.818	96	401588	46.647	ug/l	98
28) Bromochloromethane	4.146	49	130249	46.608	ug/l	99
29) Tetrahydrofuran	4.227	42	676134	229.085	ug/l	99
30) Chloroform	4.278	83	642200	42.260	ug/l	99
31) Cyclohexane	4.584	56	516310	43.516	ug/l	99
32) 1,1,1-Trichloroethane	4.513	97	605247	42.393	ug/l	99
36) 1,1-Dichloropropene	4.744	75	428069	44.694	ug/l	99
37) Ethyl Acetate	3.969	43	417125	44.576	ug/l	97
38) Carbon Tetrachloride	4.735	117	538747	42.004	ug/l	99
39) Methylcyclohexane	6.047	83	596457	48.738	ug/l	98
40) Benzene	5.008	78	1394853	46.498	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.153	41	194771	55.236	ug/l	94
42) 1,2-Dichloroethane	5.040	62	464085	42.317	ug/l	99
43) Isopropyl Acetate	5.188	43	690803	48.381	ug/l	99
44) Trichloroethene	5.831	130	378043	46.459	ug/l	99
45) 1,2-Dichloropropane	6.088	63	315480	43.851	ug/l	100
46) Dibromomethane	6.223	93	257612	42.674	ug/l	99
47) Bromodichloromethane	6.426	83	516775	42.062	ug/l	100
48) Methyl methacrylate	6.294	41	328403	51.309	ug/l	97
49) 1,4-Dioxane	6.284	88	120513	1126.074	ug/l	98
51) 4-Methyl-2-Pentanone	7.143	43	2191163	233.720	ug/l	97
52) Toluene	7.307	92	1124446	59.186	ug/l	99
53) t-1,3-Dichloropropene	7.574	75	529577	46.109	ug/l	99
54) cis-1,3-Dichloropropene	6.947	75	552240	46.406	ug/l	98
55) 1,1,2-Trichloroethane	7.760	97	349631	42.208	ug/l	97
56) Ethyl methacrylate	7.712	69	555372	44.339	ug/l	96
57) 1,3-Dichloropropane	7.934	76	569711	44.107	ug/l	100
58) 2-Chloroethyl Vinyl ether	6.809	63	1314131	226.517	ug/l	99
59) 2-Hexanone	8.063	43	1646880	183.281	ug/l	97
60) Dibromochloromethane	8.169	129	431314	43.122	ug/l	99
61) 1,2-Dibromoethane	8.272	107	383676	44.645	ug/l	100
64) Tetrachloroethene	7.895	164	328507	48.119	ug/l	100
65) Chlorobenzene	8.802	112	1011998	45.747	ug/l	98
66) 1,1,1,2-Tetrachloroethane	8.899	131	367765	46.311	ug/l	99
67) Ethyl Benzene	8.937	91	1763357	52.215	ug/l	100
68) m/p-Xylenes	9.062	106	1391616	106.102	ug/l	98
69) o-Xylene	9.468	106	666602	55.762	ug/l	99
70) Styrene	9.484	104	1228204	59.885	ug/l	99
71) Bromoform	9.654	173	315872	48.277	ug/l	98
73) Isopropylbenzene	9.857	105	1745278	54.250	ug/l	100
74) N-amyl acetate	9.722	43	632173	53.635	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.165	83	540646	42.315	ug/l	99
76) 1,2,3-Trichloropropane	10.197	75	412075	46.338	ug/l	100
77) Bromobenzene	10.140	156	426726	51.626	ug/l	96
78) n-propylbenzene	10.278	91	2008198	52.283	ug/l	99
79) 2-Chlorotoluene	10.349	91	1204486	52.228	ug/l	100
80) 1,3,5-Trimethylbenzene	10.464	105	1474146	54.449	ug/l	100
81) trans-1,4-Dichloro-2-b...	9.927	75	181124	46.762	ug/l	98
82) 4-Chlorotoluene	10.461	91	1419177	53.391	ug/l	99
83) tert-Butylbenzene	10.789	119	1494191	55.581	ug/l	99
84) 1,2,4-Trimethylbenzene	10.837	105	1486687	57.382	ug/l	98
85) sec-Butylbenzene	11.011	105	1859592	53.189	ug/l	99
86) p-Isopropyltoluene	11.165	119	1571597	53.377	ug/l	100
87) 1,3-Dichlorobenzene	11.104	146	798454	48.920	ug/l	99
88) 1,4-Dichlorobenzene	11.194	146	807966	46.407	ug/l	99
89) n-Butylbenzene	11.580	91	1428532	49.800	ug/l	98
90) Hexachloroethane	11.821	117	289961	42.613	ug/l	92
91) 1,2-Dichlorobenzene	11.567	146	771155	49.550	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.352	75	123854	49.843	ug/l	94
93) 1,2,4-Trichlorobenzene	13.185	180	526994	56.744	ug/l	100
94) Hexachlorobutadiene	13.368	225	228324	47.689	ug/l	98
95) Naphthalene	13.422	128	3036203	103.596	ug/l	100
96) 1,2,3-Trichlorobenzene	13.667	180	529197	56.511	ug/l	99

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

