

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV082225\
 Data File : VV039019.D
 Acq On : 22 Aug 2025 15:49
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Aug 25 02:25:22 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	622299	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.532	114	1101087	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.776	117	1023175	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.172	152	529580	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.941	65	478494	54.798	ug/l	0.00
Spiked Amount	50.000	Range	81 - 118	Recovery	= 109.600%	
35) Dibromofluoromethane	4.500	113	393384	47.639	ug/l	0.00
Spiked Amount	50.000	Range	80 - 119	Recovery	= 95.280%	
50) Toluene-d8	7.236	98	1414883	49.137	ug/l	0.00
Spiked Amount	50.000	Range	89 - 112	Recovery	= 98.280%	
62) 4-Bromofluorobenzene	10.001	95	537167	50.995	ug/l	0.00
Spiked Amount	50.000	Range	85 - 114	Recovery	= 101.980%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.121	85	364535	39.186	ug/l	97
3) Chloromethane	1.227	50	372390	38.754	ug/l	100
4) Vinyl Chloride	1.294	62	454095	44.787	ug/l	97
5) Bromomethane	1.494	94	186649	34.063	ug/l	98
6) Chloroethane	1.558	64	276497	53.517	ug/l	98
7) Trichlorofluoromethane	1.725	101	656873	47.292	ug/l	99
8) Diethyl Ether	1.915	74	257564	60.300	ug/l	83
9) 1,1,2-Trichlorotrifluo...	2.079	101	397345	51.826	ug/l	93
10) Methyl Iodide	2.195	142	267952	28.091	ug/l	96
11) Tert butyl alcohol	2.561	59	400044	338.492	ug/l	100
12) 1,1-Dichloroethene	2.079	96	381563	54.025	ug/l	91
13) Acrolein	2.008	56	119487	316.932	ug/l	93
14) Allyl chloride	2.359	41	673121	71.382	ug/l #	89
15) Acrylonitrile	2.671	53	1222873	342.382	ug/l	100
16) Acetone	2.118	43	1049899	299.576	ug/l	99
17) Carbon Disulfide	2.253	76	1090159	55.496	ug/l	99
18) Methyl Acetate	2.378	43	550205	74.069	ug/l	91
19) Methyl tert-butyl Ether	2.709	73	1321330	63.271	ug/l	94
20) Methylene Chloride	2.455	84	435828	53.513	ug/l #	87
21) trans-1,2-Dichloroethene	2.703	96	412230	56.039	ug/l	92
22) Diisopropyl ether	3.211	45	1401897	67.711	ug/l	96
23) Vinyl Acetate	3.185	43	5889232	354.504	ug/l #	93
24) 1,1-Dichloroethane	3.117	63	771227	56.235	ug/l	96
25) 2-Butanone	3.857	43	1586699	347.969	ug/l	96
26) 2,2-Dichloropropane	3.812	77	653969	49.708	ug/l	99
27) cis-1,2-Dichloroethene	3.822	96	487562	54.914	ug/l	92
28) Bromochloromethane	4.146	49	201488	66.880	ug/l #	73
29) Tetrahydrofuran	4.230	42	1069844	351.474	ug/l	86
30) Chloroform	4.278	83	789081	50.349	ug/l	99
31) Cyclohexane	4.584	56	698035	57.046	ug/l	90
32) 1,1,1-Trichloroethane	4.513	97	693527	47.101	ug/l	97
36) 1,1-Dichloropropene	4.748	75	537828	50.152	ug/l	96
37) Ethyl Acetate	3.970	43	629743	60.104	ug/l #	95
38) Carbon Tetrachloride	4.735	117	580295	40.408	ug/l	99
39) Methylcyclohexane	6.047	83	725896	52.975	ug/l	94
40) Benzene	5.008	78	1692032	50.376	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.156	41	280398	71.020	ug/l	90
42) 1,2-Dichloroethane	5.040	62	566114	46.103	ug/l	99
43) Isopropyl Acetate	5.188	43	999921	62.546	ug/l #	93
44) Trichloroethene	5.831	130	406012	44.564	ug/l	92
45) 1,2-Dichloropropane	6.088	63	437205	54.275	ug/l	99
46) Dibromomethane	6.223	93	313094	46.321	ug/l	91
47) Bromodichloromethane	6.426	83	636626	46.279	ug/l	98
48) Methyl methacrylate	6.294	41	464599	64.830	ug/l	88
49) 1,4-Dioxane	6.288	88	128546	1072.759	ug/l	93
51) 4-Methyl-2-Pentanone	7.146	43	3285963	313.037	ug/l	96
52) Toluene	7.307	92	1065291	50.079	ug/l	99
53) t-1,3-Dichloropropene	7.574	75	651036	50.626	ug/l	98
54) cis-1,3-Dichloropropene	6.947	75	704530	52.876	ug/l	99
55) 1,1,2-Trichloroethane	7.760	97	419216	45.199	ug/l	97
56) Ethyl methacrylate	7.712	69	666790	47.584	ug/l	93
57) 1,3-Dichloropropane	7.934	76	708694	49.002	ug/l	99
58) 2-Chloroethyl Vinyl ether	6.809	63	1812877	275.775	ug/l	91
59) 2-Hexanone	8.063	43	2434601	247.558	ug/l	97
60) Dibromochloromethane	8.169	129	473668	42.295	ug/l	99
61) 1,2-Dibromoethane	8.272	107	447083	46.463	ug/l	100
64) Tetrachloroethene	7.895	164	332157	43.628	ug/l	98
65) Chlorobenzene	8.805	112	1139706	46.199	ug/l	98
66) 1,1,1,2-Tetrachloroethane	8.899	131	395956	44.711	ug/l	98
67) Ethyl Benzene	8.937	91	2031046	53.930	ug/l	100
68) m/p-Xylenes	9.063	106	1555690	106.362	ug/l	100
69) o-Xylene	9.468	106	735998	55.208	ug/l	99
70) Styrene	9.484	104	1280329	55.979	ug/l	99
71) Bromoform	9.654	173	321141	44.013	ug/l #	97
73) Isopropylbenzene	9.857	105	1981410	55.757	ug/l	100
74) N-amyl acetate	9.722	43	889655	68.332	ug/l	96
75) 1,1,2,2-Tetrachloroethane	10.165	83	692102	49.040	ug/l	98
76) 1,2,3-Trichloropropane	10.198	75	533227	54.283	ug/l	100
77) Bromobenzene	10.140	156	452926	49.607	ug/l	94
78) n-propylbenzene	10.278	91	2383469	56.176	ug/l	98
79) 2-Chlorotoluene	10.349	91	1394911	54.757	ug/l	98
80) 1,3,5-Trimethylbenzene	10.464	105	1650430	55.188	ug/l	100
81) trans-1,4-Dichloro-2-b...	9.927	75	239404	55.955	ug/l	97
82) 4-Chlorotoluene	10.461	91	1634475	55.667	ug/l	98
83) tert-Butylbenzene	10.789	119	1626476	54.772	ug/l	99
84) 1,2,4-Trimethylbenzene	10.837	105	1628413	56.900	ug/l	99
85) sec-Butylbenzene	11.011	105	2158168	55.883	ug/l	99
86) p-Isopropyltoluene	11.165	119	1769363	54.403	ug/l	99
87) 1,3-Dichlorobenzene	11.104	146	885119	49.094	ug/l	99
88) 1,4-Dichlorobenzene	11.198	146	895882	46.584	ug/l	100
89) n-Butylbenzene	11.580	91	1750686	55.251	ug/l	99
90) Hexachloroethane	11.818	117	336160	44.724	ug/l	94
91) 1,2-Dichlorobenzene	11.567	146	845879	49.204	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.349	75	145088	52.859	ug/l	91
93) 1,2,4-Trichlorobenzene	13.185	180	528639	51.530	ug/l	100
94) Hexachlorobutadiene	13.368	225	211008	39.898	ug/l	98
95) Naphthalene	13.423	128	1950872	60.261	ug/l	99
96) 1,2,3-Trichlorobenzene	13.664	180	527134	50.960	ug/l	99

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

