

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110525\
 Data File : VV039328.D
 Acq On : 05 Nov 2025 11:34
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDCCC050

Quant Time: Nov 06 00:10:11 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 08 05:01:26 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	4.596	168	644517	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.529	114	1006974	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.773	117	993503	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.172	152	575078	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.937	65	489297	53.427	ug/l	0.00
Spiked Amount	50.000	Range	81 - 118	Recovery	= 106.860%	
35) Dibromofluoromethane	4.497	113	427817	53.920	ug/l	0.00
Spiked Amount	50.000	Range	80 - 119	Recovery	= 107.840%	
50) Toluene-d8	7.233	98	1471302	54.509	ug/l	0.00
Spiked Amount	50.000	Range	89 - 112	Recovery	= 109.020%	
62) 4-Bromofluorobenzene	9.998	95	554577	57.691	ug/l	0.00
Spiked Amount	50.000	Range	85 - 114	Recovery	= 115.380%#	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.121	85	321774	39.500	ug/l	99
3) Chloromethane	1.230	50	367991	43.389	ug/l	100
4) Vinyl Chloride	1.298	62	407496	42.115	ug/l	99
5) Bromomethane	1.494	94	250921	39.969	ug/l	98
6) Chloroethane	1.558	64	277627	52.065	ug/l	97
7) Trichlorofluoromethane	1.725	101	636004	43.027	ug/l	100
8) Diethyl Ether	1.918	74	274729	51.432	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.082	101	391341	44.215	ug/l	100
10) Methyl Iodide	2.198	142	397811	52.167	ug/l	97
11) Tert butyl alcohol	2.564	59	396442	223.369	ug/l	99
12) 1,1-Dichloroethene	2.082	96	381146	43.858	ug/l	97
13) Acrolein	2.005	56	419396	413.186	ug/l	98
14) Allyl chloride	2.355	41	642266	46.620	ug/l	100
15) Acrylonitrile	2.670	53	1295180	246.074	ug/l	100
16) Acetone	2.114	43	1195872	282.341	ug/l	100
17) Carbon Disulfide	2.252	76	1074741	43.783	ug/l	99
18) Methyl Acetate	2.378	43	551669	46.486	ug/l	98
19) Methyl tert-butyl Ether	2.709	73	1396241	53.378	ug/l	99
20) Methylene Chloride	2.455	84	467374	57.850	ug/l	98
21) trans-1,2-Dichloroethene	2.703	96	414207	45.267	ug/l	97
22) Diisopropyl ether	3.214	45	1354919	54.779	ug/l	94
23) Vinyl Acetate	3.185	43	6069819	279.531	ug/l	99
24) 1,1-Dichloroethane	3.117	63	767387	46.310	ug/l	99
25) 2-Butanone	3.860	43	1541060	275.151	ug/l	99
26) 2,2-Dichloropropane	3.809	77	618358	46.330	ug/l	100
27) cis-1,2-Dichloroethene	3.818	96	473627	51.696	ug/l	98
28) Bromochloromethane	4.143	49	358159	50.697	ug/l	99
29) Tetrahydrofuran	4.233	42	994144	277.612	ug/l	99
30) Chloroform	4.275	83	827455	48.966	ug/l	100
31) Cyclohexane	4.580	56	558505	46.274	ug/l	99
32) 1,1,1-Trichloroethane	4.510	97	681213	46.106	ug/l	99
36) 1,1-Dichloropropene	4.741	75	491141	49.285	ug/l	99
37) Ethyl Acetate	3.973	43	600646	51.484	ug/l	99
38) Carbon Tetrachloride	4.731	117	590516	48.638	ug/l	99
39) Methylcyclohexane	6.043	83	551885	48.456	ug/l	98
40) Benzene	5.005	78	1667129	52.135	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.156	41	272254	54.408	ug/l	98
42) 1,2-Dichloroethane	5.037	62	579666	51.650	ug/l	99
43) Isopropyl Acetate	5.188	43	891916	58.395	ug/l	99
44) Trichloroethene	5.828	130	397621	49.447	ug/l	99
45) 1,2-Dichloropropane	6.085	63	431534	55.458	ug/l	98
46) Dibromomethane	6.220	93	341783	52.550	ug/l	98
47) Bromodichloromethane	6.423	83	668756	52.185	ug/l	98
48) Methyl methacrylate	6.291	41	417085	58.943	ug/l	98
49) 1,4-Dioxane	6.288	88	129928	1103.786	ug/l	95
51) 4-Methyl-2-Pentanone	7.146	43	3096474	292.211	ug/l	100
52) Toluene	7.307	92	1064354	55.125	ug/l	99
53) t-1,3-Dichloropropene	7.571	75	646667	57.739	ug/l	98
54) cis-1,3-Dichloropropene	6.944	75	711311	57.125	ug/l	100
55) 1,1,2-Trichloroethane	7.757	97	471151	54.042	ug/l	97
56) Ethyl methacrylate	7.712	69	641802	64.977	ug/l	99
57) 1,3-Dichloropropane	7.931	76	742902	56.468	ug/l	99
58) 2-Chloroethyl Vinyl ether	6.809	63	1793544	298.376	ug/l	99
59) 2-Hexanone	8.059	43	2320510	298.284	ug/l	99
60) Dibromochloromethane	8.165	129	552108	54.162	ug/l	100
61) 1,2-Dibromoethane	8.268	107	502481	55.351	ug/l	100
64) Tetrachloroethene	7.895	164	350933	48.423	ug/l	98
65) Chlorobenzene	8.802	112	1189287	50.566	ug/l	100
66) 1,1,1,2-Tetrachloroethane	8.895	131	443379	50.329	ug/l	100
67) Ethyl Benzene	8.934	91	1923419	55.519	ug/l	99
68) m/p-Xylenes	9.059	106	1588831	115.629	ug/l	100
69) o-Xylene	9.468	106	715416	58.957	ug/l	99
70) Styrene	9.484	104	1344948	62.291	ug/l	99
71) Bromoform	9.651	173	389416	54.659	ug/l	99
73) Isopropylbenzene	9.853	105	1904119	54.526	ug/l	100
74) N-amyl acetate	9.722	43	806173	56.025	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.165	83	762215	47.528	ug/l	99
76) 1,2,3-Trichloropropane	10.194	75	553871	48.255	ug/l	100
77) Bromobenzene	10.140	156	506624	52.774	ug/l	99
78) n-propylbenzene	10.275	91	2295068	54.163	ug/l	99
79) 2-Chlorotoluene	10.345	91	1414565	54.071	ug/l	100
80) 1,3,5-Trimethylbenzene	10.461	105	1651701	56.394	ug/l	100
81) trans-1,4-Dichloro-2-b...	9.927	75	252131	55.476	ug/l	100
82) 4-Chlorotoluene	10.461	91	1671189	55.577	ug/l	100
83) tert-Butylbenzene	10.789	119	1533513	52.730	ug/l	98
84) 1,2,4-Trimethylbenzene	10.837	105	1663288	57.688	ug/l	100
85) sec-Butylbenzene	11.011	105	1891882	51.451	ug/l	100
86) p-Isopropyltoluene	11.165	119	1642821	51.963	ug/l	99
87) 1,3-Dichlorobenzene	11.104	146	991093	51.759	ug/l	99
88) 1,4-Dichlorobenzene	11.194	146	1029945	48.062	ug/l	99
89) n-Butylbenzene	11.577	91	1492091	50.680	ug/l	100
90) Hexachloroethane	11.818	117	341450	43.678	ug/l	99
91) 1,2-Dichlorobenzene	11.564	146	935254	51.346	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.349	75	149563	45.356	ug/l	100
93) 1,2,4-Trichlorobenzene	13.185	180	535803	52.743	ug/l	99
94) Hexachlorobutadiene	13.368	225	183652	35.702	ug/l	99
95) Naphthalene	13.422	128	1966551	59.085	ug/l	100
96) 1,2,3-Trichlorobenzene	13.664	180	560178	53.055	ug/l	100

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

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