

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV111225\
 Data File : VV039373.D
 Acq On : 12 Nov 2025 14:56
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Nov 14 00:23:31 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V111125W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 14 00:16:53 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	4.593	168	833599	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.526	114	1153923	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.773	117	1096215	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.172	152	684381	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.934	65	525323	51.082	ug/l	0.00
Spiked Amount	50.000	Range	81 - 118	Recovery	= 102.160%	
35) Dibromofluoromethane	4.497	113	461886	52.188	ug/l	0.00
Spiked Amount	50.000	Range	80 - 119	Recovery	= 104.380%	
50) Toluene-d8	7.230	98	1527387	52.224	ug/l	0.00
Spiked Amount	50.000	Range	89 - 112	Recovery	= 104.440%	
62) 4-Bromofluorobenzene	9.998	95	615335	54.754	ug/l	0.00
Spiked Amount	50.000	Range	85 - 114	Recovery	= 109.500%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.121	85	209345	42.068	ug/l	98
3) Chloromethane	1.230	50	204252	43.986	ug/l	99
4) Vinyl Chloride	1.298	62	251803	43.946	ug/l	99
5) Bromomethane	1.494	94	155819	45.676	ug/l	99
6) Chloroethane	1.558	64	193785	45.808	ug/l	99
7) Trichlorofluoromethane	1.725	101	522324	44.763	ug/l	100
8) Diethyl Ether	1.915	74	208149	46.775	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.079	101	341330	44.490	ug/l	99
10) Methyl Iodide	2.195	142	269772	57.097	ug/l	98
11) Tert butyl alcohol	2.558	59	353299	320.685	ug/l	98
12) 1,1-Dichloroethene	2.079	96	265625	43.774	ug/l	94
13) Acrolein	2.008	56	25717	248.806	ug/l	92
14) Allyl chloride	2.355	41	536395	49.609	ug/l	99
15) Acrylonitrile	2.671	53	1147665	268.394	ug/l	99
16) Acetone	2.114	43	1253426	230.361	ug/l	98
17) Carbon Disulfide	2.249	76	381768	39.801	ug/l	99
18) Methyl Acetate	2.375	43	892718	61.286	ug/l	99
19) Methyl tert-butyl Ether	2.706	73	1254694	54.991	ug/l	98
20) Methylene Chloride	2.455	84	360548	42.918	ug/l	97
21) trans-1,2-Dichloroethene	2.699	96	283676	47.133	ug/l	98
22) Diisopropyl ether	3.208	45	1307060	55.640	ug/l	96
23) Vinyl Acetate	3.185	43	4460596	268.839	ug/l	99
24) 1,1-Dichloroethane	3.114	63	680951	47.672	ug/l	100
25) 2-Butanone	3.851	43	1570910	276.703	ug/l	100
26) 2,2-Dichloropropane	3.806	77	621566	51.736	ug/l	100
27) cis-1,2-Dichloroethene	3.815	96	404761	49.520	ug/l	99
28) Bromochloromethane	4.140	49	329177	52.693	ug/l #	99
29) Tetrahydrofuran	4.224	42	900129	283.241	ug/l	99
30) Chloroform	4.272	83	759445	48.137	ug/l	98
31) Cyclohexane	4.580	56	395319	44.216	ug/l	98
32) 1,1,1-Trichloroethane	4.506	97	644884	48.878	ug/l	99
36) 1,1-Dichloropropene	4.741	75	386338	50.680	ug/l	97
37) Ethyl Acetate	3.966	43	522367	44.606	ug/l	96
38) Carbon Tetrachloride	4.728	117	541953	47.860	ug/l	98
39) Methylcyclohexane	6.043	83	404846	49.883	ug/l	98
40) Benzene	5.005	78	1318968	49.478	ug/l	99

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 ClientSampleId :
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Quant Time: Nov 14 00:23:31 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V111125W.M
 Quant Title : SW846 8260
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.150	41	268793	64.274	ug/l	98
42) 1,2-Dichloroethane	5.034	62	525854	50.618	ug/l	100
43) Isopropyl Acetate	5.182	43	865654	55.488	ug/l	99
44) Trichloroethene	5.828	130	353662	48.893	ug/l	99
45) 1,2-Dichloropropane	6.085	63	394797	54.735	ug/l	99
46) Dibromomethane	6.220	93	278787	48.065	ug/l	99
47) Bromodichloromethane	6.420	83	629973	50.152	ug/l	99
48) Methyl methacrylate	6.288	41	417465	57.456	ug/l	99
49) 1,4-Dioxane	6.281	88	112897	1008.809	ug/l	98
51) 4-Methyl-2-Pentanone	7.140	43	3177934	297.997	ug/l	100
52) Toluene	7.304	92	870000	52.080	ug/l	98
53) t-1,3-Dichloropropene	7.571	75	597158	55.253	ug/l	98
54) cis-1,3-Dichloropropene	6.944	75	624854	54.457	ug/l	99
55) 1,1,2-Trichloroethane	7.754	97	425665	50.328	ug/l	98
56) Ethyl methacrylate	7.709	69	595450	58.308	ug/l	99
57) 1,3-Dichloropropane	7.928	76	678187	52.137	ug/l	100
58) 2-Chloroethyl Vinyl ether	6.805	63	1565199	538.974	ug/l	100
59) 2-Hexanone	8.056	43	2348249	308.100	ug/l	100
60) Dibromochloromethane	8.162	129	543683	50.165	ug/l	100
61) 1,2-Dibromoethane	8.268	107	425287	51.587	ug/l	99
64) Tetrachloroethene	7.892	164	318887	47.069	ug/l	98
65) Chlorobenzene	8.802	112	1092691	50.072	ug/l	99
66) 1,1,1,2-Tetrachloroethane	8.895	131	453388	49.793	ug/l	100
67) Ethyl Benzene	8.934	91	1706341	54.059	ug/l	99
68) m/p-Xylenes	9.059	106	1357942	113.920	ug/l	98
69) o-Xylene	9.464	106	640953	56.833	ug/l	99
70) Styrene	9.481	104	1197759	59.409	ug/l	100
71) Bromoform	9.651	173	434040	51.350	ug/l #	99
73) Isopropylbenzene	9.854	105	1844970	55.208	ug/l	100
74) N-amyl acetate	9.722	43	761732	58.171	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.162	83	707282	48.593	ug/l	100
76) 1,2,3-Trichloropropane	10.194	75	539431	50.781	ug/l	99
77) Bromobenzene	10.136	156	522245	50.630	ug/l	99
78) n-propylbenzene	10.275	91	2147735	56.101	ug/l	100
79) 2-Chlorotoluene	10.345	91	1309809	53.450	ug/l	100
80) 1,3,5-Trimethylbenzene	10.461	105	1544075	56.513	ug/l	99
81) trans-1,4-Dichloro-2-b...	9.924	75	224410	56.630	ug/l	97
82) 4-Chlorotoluene	10.458	91	1547416	56.481	ug/l	99
83) tert-Butylbenzene	10.789	119	1656048	55.141	ug/l	100
84) 1,2,4-Trimethylbenzene	10.837	105	1557828	58.533	ug/l	99
85) sec-Butylbenzene	11.011	105	2018969	56.693	ug/l	100
86) p-Isopropyltoluene	11.165	119	1738806	56.585	ug/l	99
87) 1,3-Dichlorobenzene	11.101	146	1003187	50.707	ug/l	100
88) 1,4-Dichlorobenzene	11.194	146	1043400	48.371	ug/l	100
89) n-Butylbenzene	11.577	91	1583774	57.797	ug/l	99
90) Hexachloroethane	11.818	117	361280	47.174	ug/l	98
91) 1,2-Dichlorobenzene	11.564	146	973689	50.290	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.349	75	145328	48.567	ug/l	99
93) 1,2,4-Trichlorobenzene	13.185	180	707100	57.563	ug/l	98
94) Hexachlorobutadiene	13.368	225	329430	50.278	ug/l	99
95) Naphthalene	13.423	128	2056696	62.474	ug/l	100
96) 1,2,3-Trichlorobenzene	13.664	180	719340	56.762	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

