

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV111225\
 Data File : VV039363.D
 Acq On : 12 Nov 2025 08:48
 Operator : SY/MD
 Sample : VSTDC0050
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDC0050

Quant Time: Nov 14 00:17:13 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	858895	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.529	114	1143490	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.773	117	1121682	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.172	152	723597	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.934	65	500940	47.276	ug/l	0.00
Spiked Amount	50.000	Range	81 - 118	Recovery	=	94.560%
35) Dibromofluoromethane	4.497	113	449682	51.272	ug/l	0.00
Spiked Amount	50.000	Range	80 - 119	Recovery	=	102.540%
50) Toluene-d8	7.233	98	1476753	50.953	ug/l	0.00
Spiked Amount	50.000	Range	89 - 112	Recovery	=	101.900%
62) 4-Bromofluorobenzene	9.998	95	594144	53.351	ug/l	0.00
Spiked Amount	50.000	Range	85 - 114	Recovery	=	106.700%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.121	85	222178	43.332	ug/l	100
3) Chloromethane	1.230	50	206661	43.194	ug/l	100
4) Vinyl Chloride	1.297	62	258491	43.784	ug/l	99
5) Bromomethane	1.494	94	164889	46.911	ug/l	98
6) Chloroethane	1.561	64	195860	44.935	ug/l	100
7) Trichlorofluoromethane	1.725	101	536521	44.626	ug/l	99
8) Diethyl Ether	1.915	74	209880	45.775	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.079	101	349960	44.271	ug/l	99
10) Methyl Iodide	2.195	142	268449	55.144	ug/l	99
11) Tert butyl alcohol	2.558	59	291828	257.087	ug/l	99
12) 1,1-Dichloroethene	2.079	96	272271	43.548	ug/l	97
13) Acrolein	2.008	56	24289	228.070	ug/l	100
14) Allyl chloride	2.355	41	526588	47.268	ug/l	99
15) Acrylonitrile	2.667	53	1091120	247.655	ug/l	99
16) Acetone	2.114	43	1364222	243.340	ug/l	99
17) Carbon Disulfide	2.252	76	407483	41.231	ug/l	100
18) Methyl Acetate	2.375	43	850909	56.695	ug/l	100
19) Methyl tert-butyl Ether	2.706	73	1203061	51.175	ug/l	98
20) Methylene Chloride	2.455	84	361065	41.714	ug/l	100
21) trans-1,2-Dichloroethene	2.699	96	290734	46.883	ug/l	99
22) Diisopropyl ether	3.207	45	1292636	53.405	ug/l	100
23) Vinyl Acetate	3.185	43	4308784	252.041	ug/l	100
24) 1,1-Dichloroethane	3.114	63	686198	46.624	ug/l	99
25) 2-Butanone	3.850	43	1527522	261.136	ug/l	99
26) 2,2-Dichloropropane	3.805	77	605246	48.894	ug/l	100
27) cis-1,2-Dichloroethene	3.818	96	404076	47.980	ug/l	99
28) Bromochloromethane	4.140	49	334174	51.917	ug/l #	100
29) Tetrahydrofuran	4.223	42	853183	260.561	ug/l	100
30) Chloroform	4.272	83	765974	47.121	ug/l	99
31) Cyclohexane	4.580	56	398160	43.222	ug/l	97
32) 1,1,1-Trichloroethane	4.506	97	643640	47.347	ug/l	100
36) 1,1-Dichloropropene	4.741	75	394208	52.184	ug/l	98
37) Ethyl Acetate	3.966	43	502754	43.323	ug/l	96
38) Carbon Tetrachloride	4.731	117	550510	49.060	ug/l	98
39) Methylcyclohexane	6.043	83	395759	49.208	ug/l	98
40) Benzene	5.005	78	1344689	50.903	ug/l	99

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 Quant Title : SW846 8260
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.149	41	253769	61.235	ug/l	98
42) 1,2-Dichloroethane	5.034	62	526184	51.112	ug/l	99
43) Isopropyl Acetate	5.182	43	826211	53.443	ug/l	99
44) Trichloroethene	5.828	130	347271	48.447	ug/l	97
45) 1,2-Dichloropropane	6.082	63	394085	55.134	ug/l	99
46) Dibromomethane	6.220	93	279914	48.700	ug/l	99
47) Bromodichloromethane	6.419	83	633549	50.896	ug/l	100
48) Methyl methacrylate	6.291	41	387610	53.834	ug/l	98
49) 1,4-Dioxane	6.281	88	98336	886.714	ug/l	99
51) 4-Methyl-2-Pentanone	7.140	43	3068501	290.360	ug/l	100
52) Toluene	7.304	92	880372	53.182	ug/l	100
53) t-1,3-Dichloropropene	7.567	75	583011	54.436	ug/l	98
54) cis-1,3-Dichloropropene	6.944	75	633499	55.715	ug/l	99
55) 1,1,2-Trichloroethane	7.754	97	429751	51.274	ug/l	97
56) Ethyl methacrylate	7.709	69	564464	55.778	ug/l	99
57) 1,3-Dichloropropane	7.927	76	677151	52.532	ug/l	100
58) 2-Chloroethyl Vinyl ether	6.805	63	1627932	565.691	ug/l	100
59) 2-Hexanone	8.056	43	2329918	308.484	ug/l	99
60) Dibromochloromethane	8.162	129	549035	51.121	ug/l	100
61) 1,2-Dibromoethane	8.268	107	425970	52.141	ug/l	99
64) Tetrachloroethene	7.892	164	322865	46.574	ug/l	97
65) Chlorobenzene	8.799	112	1095232	49.049	ug/l	100
66) 1,1,1,2-Tetrachloroethane	8.895	131	459860	49.357	ug/l	100
67) Ethyl Benzene	8.934	91	1703829	52.754	ug/l	100
68) m/p-Xylenes	9.059	106	1380306	113.167	ug/l	99
69) o-Xylene	9.464	106	642432	55.671	ug/l	99
70) Styrene	9.480	104	1213786	58.837	ug/l	100
71) Bromoform	9.651	173	436214	50.435	ug/l #	99
73) Isopropylbenzene	9.853	105	1853393	52.455	ug/l	100
74) N-amyl acetate	9.722	43	724443	52.325	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.162	83	702847	45.672	ug/l	100
76) 1,2,3-Trichloropropane	10.194	75	522308	46.504	ug/l	98
77) Bromobenzene	10.136	156	524012	48.048	ug/l	99
78) n-propylbenzene	10.275	91	2186628	54.022	ug/l	100
79) 2-Chlorotoluene	10.345	91	1332782	51.440	ug/l	100
80) 1,3,5-Trimethylbenzene	10.461	105	1577549	54.609	ug/l	100
81) trans-1,4-Dichloro-2-b...	9.924	75	229293	54.726	ug/l	94
82) 4-Chlorotoluene	10.461	91	1574240	54.346	ug/l	99
83) tert-Butylbenzene	10.786	119	1627328	51.248	ug/l	99
84) 1,2,4-Trimethylbenzene	10.837	105	1577939	56.075	ug/l	99
85) sec-Butylbenzene	11.011	105	1999869	53.114	ug/l	100
86) p-Isopropyltoluene	11.165	119	1744536	53.694	ug/l	100
87) 1,3-Dichlorobenzene	11.101	146	1024336	48.970	ug/l	99
88) 1,4-Dichlorobenzene	11.194	146	1061565	46.546	ug/l	100
89) n-Butylbenzene	11.577	91	1553847	53.632	ug/l	99
90) Hexachloroethane	11.818	117	364446	45.008	ug/l	98
91) 1,2-Dichlorobenzene	11.564	146	991886	48.454	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.348	75	141193	44.628	ug/l	99
93) 1,2,4-Trichlorobenzene	13.184	180	684708	52.719	ug/l	99
94) Hexachlorobutadiene	13.368	225	317741	45.866	ug/l	100
95) Naphthalene	13.422	128	1993665	57.277	ug/l	100
96) 1,2,3-Trichlorobenzene	13.664	180	715318	53.386	ug/l	100

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

