

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV082525\
 Data File : VV039036.D
 Acq On : 25 Aug 2025 16:36
 Operator : SY/MD
 Sample : VSTDC0050
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDC0050EC

Quant Time: Aug 26 03:38:43 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V082525W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 26 02:37:06 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	4.603	168	530770	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.532	114	863234	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.776	117	802570	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.172	152	440851	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.944	65	387393	50.604	ug/l	0.00
Spiked Amount 50.000	Range 81 - 118		Recovery = 101.200%			
35) Dibromofluoromethane	4.503	113	323722	52.074	ug/l	0.00
Spiked Amount 50.000	Range 80 - 119		Recovery = 104.140%			
50) Toluene-d8	7.236	98	1065106	48.389	ug/l	0.00
Spiked Amount 50.000	Range 89 - 112		Recovery = 96.780%			
62) 4-Bromofluorobenzene	10.001	95	398493	49.409	ug/l	0.00
Spiked Amount 50.000	Range 85 - 114		Recovery = 98.820%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.121	85	319909	45.009	ug/l	97
3) Chloromethane	1.230	50	328726	43.399	ug/l	100
4) Vinyl Chloride	1.298	62	403993	45.737	ug/l	98
5) Bromomethane	1.494	94	235073	52.965	ug/l	97
6) Chloroethane	1.558	64	249331	46.598	ug/l	99
7) Trichlorofluoromethane	1.725	101	571546	44.951	ug/l	99
8) Diethyl Ether	1.918	74	223673	46.372	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.079	101	349383	45.612	ug/l	99
10) Methyl Iodide	2.195	142	312865	45.214	ug/l	99
11) Tert butyl alcohol	2.561	59	344056	250.366	ug/l	99
12) 1,1-Dichloroethene	2.082	96	337296	45.992	ug/l	100
13) Acrolein	2.008	56	99891	160.996	ug/l	100
14) Allyl chloride	2.359	41	594776	51.526	ug/l	98
15) Acrylonitrile	2.671	53	1124250	274.318	ug/l	100
16) Acetone	2.117	43	972952	201.227	ug/l	99
17) Carbon Disulfide	2.253	76	948630	46.597	ug/l	100
18) Methyl Acetate	2.378	43	523046	54.473	ug/l	98
19) Methyl tert-butyl Ether	2.709	73	1152700	53.342	ug/l	100
20) Methylene Chloride	2.455	84	390535	49.462	ug/l	99
21) trans-1,2-Dichloroethene	2.703	96	361757	49.214	ug/l	98
22) Diisopropyl ether	3.214	45	1237831	58.924	ug/l	99
23) Vinyl Acetate	3.188	43	5264383	302.322	ug/l	98
24) 1,1-Dichloroethane	3.121	63	693994	52.735	ug/l	99
25) 2-Butanone	3.857	43	1461189	275.957	ug/l	96
26) 2,2-Dichloropropane	3.812	77	569753	50.364	ug/l	98
27) cis-1,2-Dichloroethene	3.822	96	417612	51.260	ug/l	96
28) Bromochloromethane	4.146	49	167308	57.786	ug/l	86
29) Tetrahydrofuran	4.230	42	965414	288.402	ug/l	93
30) Chloroform	4.278	83	707774	51.708	ug/l	94
31) Cyclohexane	4.587	56	605312	52.008	ug/l	94
32) 1,1,1-Trichloroethane	4.513	97	602495	50.006	ug/l	98
36) 1,1-Dichloropropene	4.744	75	468948	56.128	ug/l	98
37) Ethyl Acetate	3.970	43	571946	58.323	ug/l	98
38) Carbon Tetrachloride	4.735	117	510390	51.014	ug/l	96
39) Methylcyclohexane	6.047	83	560830	52.290	ug/l	98
40) Benzene	5.011	78	1478283	55.365	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.156	41	259236	62.334	ug/l	96
42) 1,2-Dichloroethane	5.040	62	505414	54.285	ug/l	99
43) Isopropyl Acetate	5.188	43	870746	62.407	ug/l	98
44) Trichloroethene	5.831	130	331226	49.407	ug/l	97
45) 1,2-Dichloropropane	6.088	63	340816	50.209	ug/l	97
46) Dibromomethane	6.223	93	250683	48.697	ug/l	99
47) Bromodichloromethane	6.426	83	512971	48.362	ug/l	99
48) Methyl methacrylate	6.294	41	345187	50.681	ug/l	97
49) 1,4-Dioxane	6.288	88	104998	911.825	ug/l	99
51) 4-Methyl-2-Pentanone	7.146	43	2498274	254.559	ug/l	99
52) Toluene	7.307	92	858678	50.422	ug/l	99
53) t-1,3-Dichloropropene	7.574	75	517524	50.825	ug/l	100
54) cis-1,3-Dichloropropene	6.947	75	561945	51.373	ug/l	100
55) 1,1,2-Trichloroethane	7.760	97	349229	49.153	ug/l	99
56) Ethyl methacrylate	7.715	69	521760	55.366	ug/l	99
57) 1,3-Dichloropropane	7.934	76	571453	49.824	ug/l	99
58) 2-Chloroethyl Vinyl ether	6.809	63	1398636	242.863	ug/l	100
59) 2-Hexanone	8.063	43	1856132	254.891	ug/l	99
60) Dibromochloromethane	8.169	129	402416	48.960	ug/l	100
61) 1,2-Dibromoethane	8.272	107	365551	49.850	ug/l	98
64) Tetrachloroethene	7.899	164	286833	50.274	ug/l	99
65) Chlorobenzene	8.805	112	949354	49.434	ug/l	97
66) 1,1,1,2-Tetrachloroethane	8.899	131	340624	50.801	ug/l	98
67) Ethyl Benzene	8.937	91	1629454	53.630	ug/l	100
68) m/p-Xylenes	9.063	106	1274846	109.128	ug/l	100
69) o-Xylene	9.468	106	597618	55.874	ug/l	99
70) Styrene	9.484	104	1049441	55.694	ug/l	99
71) Bromoform	9.654	173	283005	52.199	ug/l	100
73) Isopropylbenzene	9.857	105	1615321	52.282	ug/l	100
74) N-amyl acetate	9.725	43	660958	52.054	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.165	83	564050	46.343	ug/l	100
76) 1,2,3-Trichloropropane	10.198	75	435915	50.373	ug/l	99
77) Bromobenzene	10.140	156	391440	51.141	ug/l	97
78) n-propylbenzene	10.278	91	1950030	53.467	ug/l	99
79) 2-Chlorotoluene	10.349	91	1142075	50.821	ug/l	99
80) 1,3,5-Trimethylbenzene	10.464	105	1374629	54.218	ug/l	99
81) trans-1,4-Dichloro-2-b...	9.927	75	195123	49.587	ug/l	100
82) 4-Chlorotoluene	10.461	91	1333036	52.120	ug/l	100
83) tert-Butylbenzene	10.789	119	1363955	52.877	ug/l	100
84) 1,2,4-Trimethylbenzene	10.841	105	1365695	55.040	ug/l	100
85) sec-Butylbenzene	11.011	105	1799903	53.057	ug/l	99
86) p-Isopropyltoluene	11.165	119	1495553	52.869	ug/l	100
87) 1,3-Dichlorobenzene	11.104	146	762107	49.810	ug/l	99
88) 1,4-Dichlorobenzene	11.194	146	773152	46.899	ug/l	99
89) n-Butylbenzene	11.580	91	1462030	53.585	ug/l	99
90) Hexachloroethane	11.821	117	293361	46.424	ug/l	98
91) 1,2-Dichlorobenzene	11.567	146	735192	49.542	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.349	75	124042	46.916	ug/l	97
93) 1,2,4-Trichlorobenzene	13.185	180	472702	54.972	ug/l	99
94) Hexachlorobutadiene	13.368	225	198381	49.337	ug/l	99
95) Naphthalene	13.422	128	1657216	55.566	ug/l	100
96) 1,2,3-Trichlorobenzene	13.667	180	469893	53.928	ug/l	99

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

