

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV111225\
 Data File : VV039371.D
 Acq On : 12 Nov 2025 13:40
 Operator : SY/MD
 Sample : Q3530-08
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 LOQ-WATER-02-QT4-2025

Quant Time: Nov 14 00:22:02 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

Manual Integrations APPROVED

Reviewed By : John Carlone 11/14/2025
 Supervised By : Mahesh Dadoda 11/14/2025

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

Internal Standards						
1) Pentafluorobenzene	4.593	168	739896	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.526	114	1088986	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.773	117	1044803	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.172	152	567389	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.934	65	498260	54.586	ug/l	0.00
Spiked Amount 50.000	Range 81 - 118		Recovery = 109.180%			
35) Dibromofluoromethane	4.497	113	438702	52.524	ug/l	0.00
Spiked Amount 50.000	Range 80 - 119		Recovery = 105.040%			
50) Toluene-d8	7.233	98	1278563	46.323	ug/l	0.00
Spiked Amount 50.000	Range 89 - 112		Recovery = 92.640%			
62) 4-Bromofluorobenzene	9.998	95	471582	44.465	ug/l	0.00
Spiked Amount 50.000	Range 85 - 114		Recovery = 88.920%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.121	85	6293	1.425	ug/l	96
3) Chloromethane	1.230	50	5808	1.409	ug/l	91
4) Vinyl Chloride	1.298	62	6117	1.203	ug/l #	87
5) Bromomethane	1.500	94	6128	2.024	ug/l	84
6) Chloroethane	1.561	64	4911	1.308	ug/l	98
7) Trichlorofluoromethane	1.725	101	12238	1.182	ug/l	96
8) Diethyl Ether	1.921	74	4289	1.086	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.082	101	6489	0.953	ug/l #	75
10) Methyl Iodide	2.201	142	7423	1.770	ug/l	98
11) Tert butyl alcohol	2.568	59	6555	6.703	ug/l	96
12) 1,1-Dichloroethene	2.082	96	6318	1.173	ug/l	87
13) Acrolein	2.005	56	810m	8.829	ug/l	
14) Allyl chloride	2.359	41	10661	1.111	ug/l #	85
15) Acrylonitrile	2.696	53	14823	3.906	ug/l #	73
16) Acetone	2.121	43	45000	9.318	ug/l	95
17) Carbon Disulfide	2.253	76	13061	1.534	ug/l #	91
18) Methyl Acetate	2.400	43	8678	0.671	ug/l #	76
19) Methyl tert-butyl Ether	2.709	73	22435	1.108	ug/l #	88
20) Methylene Chloride	2.458	84	9826	1.318	ug/l	93
21) trans-1,2-Dichloroethene	2.712	96	7204	1.349	ug/l	89
22) Diisopropyl ether	3.214	45	20185	0.968	ug/l #	12
23) Vinyl Acetate	3.220	43	69052	4.689	ug/l #	94
24) 1,1-Dichloroethane	3.121	63	13011	1.026	ug/l	98
25) 2-Butanone	3.925	43	27145m	5.387	ug/l	
26) 2,2-Dichloropropane	3.812	77	11733	1.100	ug/l	89
27) cis-1,2-Dichloroethene	3.844	96	6742m	0.929	ug/l	
28) Bromochloromethane	4.175	49	4751m	0.857	ug/l	
29) Tetrahydrofuran	4.265	42	10539	3.736	ug/l #	63
30) Chloroform	4.288	83	18720	1.337	ug/l #	80
31) Cyclohexane	4.587	56	20906	2.634	ug/l #	35
32) 1,1,1-Trichloroethane	4.510	97	14503	1.238	ug/l #	33
36) 1,1-Dichloropropene	4.760	75	6433	0.894	ug/l #	87
37) Ethyl Acetate	3.925	43	26399m	2.389	ug/l	
38) Carbon Tetrachloride	4.738	117	12066	1.129	ug/l	95
39) Methylcyclohexane	6.043	83	8440	1.102	ug/l	86
40) Benzene	5.024	78	27018	1.074	ug/l	90

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Reviewed By :John Carlone 11/14/2025
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.259	41	9530	2.415	ug/l #	37
42) 1,2-Dichloroethane	5.059	62	11301	1.153	ug/l	84
43) Isopropyl Acetate	5.230	43	9749	0.662	ug/l #	82
44) Trichloroethene	5.847	130	7338	1.075	ug/l	86
45) 1,2-Dichloropropane	6.101	63	5481	0.805	ug/l #	75
46) Dibromomethane	6.243	93	6556	1.198	ug/l	93
47) Bromodichloromethane	6.439	83	12887	1.087	ug/l	98
48) Methyl methacrylate	6.365	41	5743m	0.838	ug/l	
49) 1,4-Dioxane	6.346	88	2878m	27.250	ug/l	
51) 4-Methyl-2-Pentanone	7.156	43	43553	4.328	ug/l	90
52) Toluene	7.320	92	16725	1.061	ug/l	88
53) t-1,3-Dichloropropene	7.596	75	9916	0.972	ug/l	94
54) cis-1,3-Dichloropropene	6.966	75	9406	0.869	ug/l #	92
55) 1,1,2-Trichloroethane	7.773	97	9310	1.166	ug/l #	86
56) Ethyl methacrylate	7.741	69	8011m	0.831	ug/l	
57) 1,3-Dichloropropane	7.950	76	13290	1.083	ug/l	98
58) 2-Chloroethyl Vinyl ether	6.841	63	11451m	4.178	ug/l	
59) 2-Hexanone	8.085	43	34407	4.784	ug/l	83
60) Dibromochloromethane	8.172	129	11129	1.088	ug/l	92
61) 1,2-Dibromoethane	8.284	107	9262	1.190	ug/l	86
64) Tetrachloroethene	7.899	164	7923	1.227	ug/l #	85
65) Chlorobenzene	8.805	112	24213	1.164	ug/l	98
66) 1,1,1,2-Tetrachloroethane	8.899	131	9800	1.129	ug/l #	66
67) Ethyl Benzene	8.944	91	30439	1.012	ug/l	90
68) m/p-Xylenes	9.069	106	20434	1.799	ug/l	97
69) o-Xylene	9.477	106	8893	0.827	ug/l	60
70) Styrene	9.503	104	16535	0.860	ug/l #	62
71) Bromoform	9.661	173	9742	1.209	ug/l #	99
73) Isopropylbenzene	9.860	105	26653	0.962	ug/l	92
74) N-amyl acetate	9.744	43	10270m	0.946	ug/l	
75) 1,1,2,2-Tetrachloroethane	10.169	83	15392	1.276	ug/l	98
76) 1,2,3-Trichloropropane	10.201	75	9274	1.053	ug/l #	45
77) Bromobenzene	10.153	156	10748	1.257	ug/l	95
78) n-propylbenzene	10.281	91	35263	1.111	ug/l	98
79) 2-Chlorotoluene	10.355	91	23023	1.133	ug/l	97
80) 1,3,5-Trimethylbenzene	10.468	105	22103	0.976	ug/l	97
81) trans-1,4-Dichloro-2-b...	9.934	75	3300m	1.004	ug/l	
82) 4-Chlorotoluene	10.474	91	22169	0.976	ug/l	96
83) tert-Butylbenzene	10.789	119	26072	1.047	ug/l	98
84) 1,2,4-Trimethylbenzene	10.844	105	20394	0.924	ug/l	95
85) sec-Butylbenzene	11.011	105	29020	0.983	ug/l	94
86) p-Isopropyltoluene	11.169	119	26684	1.047	ug/l	96
87) 1,3-Dichlorobenzene	11.117	146	18821	1.147	ug/l	93
88) 1,4-Dichlorobenzene	11.201	146	21651m	1.211	ug/l	
89) n-Butylbenzene	11.587	91	24060	1.059	ug/l	96
90) Hexachloroethane	11.818	117	7491	1.180	ug/l	100
91) 1,2-Dichlorobenzene	11.580	146	18527	1.154	ug/l	94
92) 1,2-Dibromo-3-Chloropr...	12.361	75	2472	0.996	ug/l	79
93) 1,2,4-Trichlorobenzene	13.194	180	10965	1.077	ug/l	96
94) Hexachlorobutadiene	13.368	225	7316	1.347	ug/l	95
95) Naphthalene	13.439	128	22979	0.842	ug/l #	93
96) 1,2,3-Trichlorobenzene	13.673	180	10423	0.992	ug/l	97

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

