

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV061025\
 Data File : VV038778.D
 Acq On : 10 Jun 2025 13:26
 Operator : SY/MD
 Sample : Q2117-01
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-WATER-QT2-2025-03

Quant Time: Jun 10 14:46:36 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM060925WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jun 10 14:44:52 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 06/16/2025
 Supervised By : Mahesh Dadoda 06/16/2025

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

Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	548063	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.776	117	571653	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.175	152	258207	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.288	65	207486	45.523	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	91.040%		
7) Chloroethane-d5	1.542	69	196561	47.113	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	94.220%		
11) 1,1-Dichloroethene-d2	2.069	65	104046	46.380	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	92.760%		
21) 2-Butanone-d5	3.783	46	338828	95.321	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	95.320%		
24) Chloroform-d	4.253	84	456405m	47.003	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	94.000%		
26) 1,2-Dichloroethane-d4	4.941	65	282147	49.772	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	99.540%		
32) Benzene-d6	4.960	84	869186	48.190	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	96.380%		
36) 1,2-Dichloropropane-d6	5.986	67	299867	50.058	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	100.120%		
41) Toluene-d8	7.236	98	746008	46.840	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	93.680%		
43) trans-1,3-Dichloroprop...	7.548	79	120600	46.164	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	92.320%		
47) 2-Hexanone-d5	8.014	63	240151	96.628	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	96.630%		
56) 1,1,2,2-Tetrachloroeth...	10.140	84	408006	45.903	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	91.800%		
66) 1,2-Dichlorobenzene-d4	11.548	152	258402	51.565	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	103.140%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.118	85	14718	2.286	ug/L	99
3) Chloromethane	1.227	50	14410	2.214	ug/L	90
5) Vinyl chloride	1.294	62	16372	2.434	ug/L	85
6) Bromomethane	1.497	94	8737	2.615	ug/L	99
8) Chloroethane	1.558	64	10010	2.478	ug/L	94
9) Trichlorofluoromethane	1.725	101	19998	2.253	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.076	101	14756	2.809	ug/L	88
12) 1,1-Dichloroethene	2.079	96	14228m	3.004	ug/L	
13) Acetone	2.121	43	13952	5.821	ug/L	100
14) Carbon disulfide	2.253	76	33820	2.336	ug/L	95
15) Methyl Acetate	2.394	43	13896m	2.183	ug/L	
17) trans-1,2-Dichloroethene	2.712	96	10524	2.210	ug/L	95
18) Methyl tert-butyl Ether	2.706	73	28023	1.954	ug/L	96
19) 1,1-Dichloroethane	3.127	63	21753	2.198	ug/L	97
20) cis-1,2-Dichloroethene	3.825	96	11110	2.172	ug/L	91
22) 2-Butanone	3.918	43	23669m	6.291	ug/L	
23) Bromochloromethane	4.175	128	7374m	2.701	ug/L	
27) 1,2-Dichloroethane	5.053	62	18264m	2.481	ug/L	
29) Cyclohexane	4.590	56	15041	1.840	ug/L	89

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30) 1,1,1-Trichloroethane	4.513	97	19243m	2.288	ug/L	
31) Carbon tetrachloride	4.741	117	15946	2.185	ug/L	97
33) Benzene	5.018	78	47982	2.386	ug/L	100
34) Trichloroethene	5.847	95	12412	2.329	ug/L	93
35) Methylcyclohexane	6.047	83	21063m	2.520	ug/L	
37) 1,2-Dichloropropane	6.105	63	10342	1.785	ug/L #	88
38) Bromodichloromethane	6.442	83	15357	2.043	ug/L	90
39) cis-1,3-Dichloropropene	6.966	75	19136m	2.299	ug/L	
40) 4-Methyl-2-pentanone	7.159	43	25988m	3.281	ug/L	
42) Toluene	7.320	91	44717	2.154	ug/L	94
44) trans-1,3-Dichloropropene	7.590	75	17763m	2.211	ug/L	
45) 1,1,2-Trichloroethane	7.777	97	11842	2.085	ug/L	95
46) Tetrachloroethene	7.902	164	8760	2.235	ug/L	95
48) 2-Hexanone	8.079	43	28576	4.873	ug/L #	75
49) Dibromochloromethane	8.175	129	12946	2.244	ug/L	98
50) 1,2-Dibromoethane	8.285	107	13271	2.274	ug/L	91
51) Chlorobenzene	8.809	112	30804	2.199	ug/L	92
52) Ethylbenzene	8.947	91	41272	1.846	ug/L	99
53) m,p-Xylene	9.072	106	14201	1.730	ug/L	94
54) o-Xylene	9.474	106	13726	1.728	ug/L	98
55) Styrene	9.500	104	21714	1.570	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.169	83	22661	2.418	ug/L	93
59) Bromoform	9.664	173	7877	2.186	ug/L #	87
60) Isopropylbenzene	9.860	105	34488	1.875	ug/L	96
61) 1,2,3-Trichloropropane	10.201	75	15148	2.400	ug/L	96
62) 1,3,5-Trimethylbenzene	10.468	105	26416	1.846	ug/L	98
63) 1,2,4-Trimethylbenzene	10.847	105	23890	1.690	ug/L	98
64) 1,3-Dichlorobenzene	11.114	146	19304	2.197	ug/L	99
65) 1,4-Dichlorobenzene	11.201	146	21925	2.318	ug/L	97
67) 1,2-Dichlorobenzene	11.567	146	23579	2.656	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.365	75	4597	2.549	ug/L	94
69) 1,3,5-Trichlorobenzene	12.574	180	13286	2.287	ug/L	99
70) 1,2,4-trichlorobenzene	13.194	180	10511	2.116	ug/L	99
71) Naphthalene	13.435	128	29587	1.677	ug/L	97
72) 1,2,3-Trichlorobenzene	13.673	180	10157	1.960	ug/L	97

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

