

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV061125\
 Data File : VV038785.D
 Acq On : 11 Jun 2025 15:54
 Operator : SY/MD
 Sample : Q2117-02
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-WATER-QT2-2025-04

Quant Time: Jun 11 16:14:09 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 06/12/2025
 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	526379	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.776	117	549829	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.175	152	245514	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.288	65	174006	39.750	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	79.500%		
7) Chloroethane-d5	1.542	69	165466	41.294	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	82.580%		
11) 1,1-Dichloroethene-d2	2.069	65	88471	41.062	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	82.120%		
21) 2-Butanone-d5	3.786	46	332848	97.496	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	97.500%		
24) Chloroform-d	4.253	84	398995	42.783	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	85.560%		
26) 1,2-Dichloroethane-d4	4.941	65	248954	45.726	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	91.460%		
32) Benzene-d6	4.960	84	751214	43.303	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	86.600%		
36) 1,2-Dichloropropane-d6	5.986	67	263574	45.746	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	91.500%		
41) Toluene-d8	7.240	98	623442	40.698	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	81.400%		
43) trans-1,3-Dichloroprop...	7.548	79	102221	40.682	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	81.360%		
47) 2-Hexanone-d5	8.014	63	220673	92.315	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	92.320%		
56) 1,1,2,2-Tetrachloroeth...	10.143	84	368830	43.143	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	86.280%		
66) 1,2-Dichlorobenzene-d4	11.551	152	228998	48.060	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	96.120%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.118	85	12247	1.980	ug/L	95
3) Chloromethane	1.227	50	12366	1.978	ug/L	96
5) Vinyl chloride	1.291	62	12957	2.005	ug/L #	78
6) Bromomethane	1.497	94	7384	2.301	ug/L	96
8) Chloroethane	1.558	64	8491	2.188	ug/L	94
9) Trichlorofluoromethane	1.725	101	15887	1.864	ug/L	95
10) 1,1,2-Trichloro-1,2,2-...	2.079	101	12833	2.544	ug/L #	82
12) 1,1-Dichloroethene	2.076	96	9818	2.159	ug/L #	1
13) Acetone	2.121	43	12871	5.591	ug/L	95
14) Carbon disulfide	2.249	76	27724	1.994	ug/L	96
15) Methyl Acetate	2.391	43	14021m	2.293	ug/L	
17) trans-1,2-Dichloroethene	2.709	96	8497m	1.858	ug/L	
18) Methyl tert-butyl Ether	2.712	73	21212	1.540	ug/L	96
19) 1,1-Dichloroethane	3.127	63	18438	1.940	ug/L	96
20) cis-1,2-Dichloroethene	3.828	96	10862m	2.211	ug/L	
22) 2-Butanone	3.931	43	20847m	5.769	ug/L	
23) Bromochloromethane	4.169	128	5494m	2.095	ug/L	
27) 1,2-Dichloroethane	5.060	62	12896	1.824	ug/L	96
29) Cyclohexane	4.590	56	13103	1.667	ug/L	94

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30) 1,1,1-Trichloroethane	4.519	97	15850	1.960	ug/L #	72
31) Carbon tetrachloride	4.741	117	13378	1.906	ug/L	92
33) Benzene	5.021	78	38980	2.015	ug/L	100
34) Trichloroethene	5.847	95	9934	1.938	ug/L	91
35) Methylcyclohexane	6.043	83	16279m	2.025	ug/L	
37) 1,2-Dichloropropane	6.105	63	8145	1.462	ug/L #	92
38) Bromodichloromethane	6.449	83	14652m	2.027	ug/L	
39) cis-1,3-Dichloropropene	6.966	75	13351	1.668	ug/L	95
40) 4-Methyl-2-pentanone	7.162	43	21270	2.792	ug/L #	89
42) Toluene	7.323	91	38109	1.908	ug/L	94
44) trans-1,3-Dichloropropene	7.590	75	12972	1.679	ug/L	99
45) 1,1,2-Trichloroethane	7.773	97	10451	1.913	ug/L	92
46) Tetrachloroethene	7.908	164	7220	1.915	ug/L	97
48) 2-Hexanone	8.082	43	27888	4.944	ug/L #	89
49) Dibromochloromethane	8.175	129	10508	1.894	ug/L	98
50) 1,2-Dibromoethane	8.288	107	10994	1.959	ug/L #	98
51) Chlorobenzene	8.812	112	26202	1.945	ug/L	98
52) Ethylbenzene	8.947	91	34122	1.586	ug/L	96
53) m,p-Xylene	9.075	106	10689	1.354	ug/L	95
54) o-Xylene	9.477	106	11143	1.459	ug/L	98
55) Styrene	9.503	104	17526m	1.317	ug/L	
57) 1,1,2,2-Tetrachloroethane	10.172	83	19674	2.182	ug/L #	98
59) Bromoform	9.667	173	7032	2.053	ug/L #	94
60) Isopropylbenzene	9.863	105	26252	1.501	ug/L	95
61) 1,2,3-Trichloropropane	10.204	75	13487	2.248	ug/L	99
62) 1,3,5-Trimethylbenzene	10.471	105	20180	1.483	ug/L	96
63) 1,2,4-Trimethylbenzene	10.850	105	20250	1.506	ug/L	99
64) 1,3-Dichlorobenzene	11.117	146	15948	1.909	ug/L	96
65) 1,4-Dichlorobenzene	11.204	146	18140	2.017	ug/L	96
67) 1,2-Dichlorobenzene	11.567	146	18604	2.204	ug/L	93
68) 1,2-Dibromo-3-chloropr...	12.362	75	4007	2.337	ug/L	91
69) 1,3,5-Trichlorobenzene	12.577	180	10605	1.920	ug/L	97
70) 1,2,4-trichlorobenzene	13.201	180	7990	1.692	ug/L	85
71) Naphthalene	13.439	128	24068	1.435	ug/L #	95
72) 1,2,3-Trichlorobenzene	13.673	180	8500	1.725	ug/L	96

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

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