

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV060925\
 Data File : VV038771.D
 Acq On : 09 Jun 2025 17:29
 Operator : SY/MD
 Sample : Q2117-01
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 13 Sample Multiplier: 1

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

Quant Time: Jun 10 09:11:21 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM060925WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jun 10 09:06:39 2025
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/11/2025
 Supervised By : Mahesh Dadoda 06/11/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	562893	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.776	117	577835	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.175	152	256788	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.288	65	219541	46.899	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	93.800%		
7) Chloroethane-d5	1.542	69	205761	48.019	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	96.040%		
11) 1,1-Dichloroethene-d2	2.069	65	107106	46.486	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	92.980%		
21) 2-Butanone-d5	3.786	46	393432	107.766	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	107.770%		
24) Chloroform-d	4.253	84	462136	46.339	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	92.680%		
26) 1,2-Dichloroethane-d4	4.941	65	297601	51.115	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	102.240%		
32) Benzene-d6	4.960	84	908095	49.809	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	99.620%		
36) 1,2-Dichloropropane-d6	5.986	67	308054	50.875	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	101.740%		
41) Toluene-d8	7.236	98	768505	47.736	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	95.480%		
43) trans-1,3-Dichloroprop...	7.548	79	122393	46.349	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	92.700%		
47) 2-Hexanone-d5	8.014	63	264013	105.093	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	105.090%		
56) 1,1,2,2-Tetrachloroeth...	10.143	84	426255	47.443	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	94.880%		
66) 1,2-Dichlorobenzene-d4	11.548	152	268182	53.812	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	107.620%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.118	85	9497	1.436	ug/L	99
3) Chloromethane	1.227	50	11762	1.760	ug/L	94
5) Vinyl chloride	1.294	62	11488m	1.663	ug/L	
6) Bromomethane	1.497	94	6087	1.774	ug/L	100
8) Chloroethane	1.558	64	6338	1.528	ug/L	100
9) Trichlorofluoromethane	1.722	101	13882	1.523	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.079	101	10658	1.976	ug/L #	79
12) 1,1-Dichloroethene	2.079	96	9163	1.884	ug/L #	1
13) Acetone	2.121	43	9790	3.977	ug/L	91
14) Carbon disulfide	2.249	76	22996	1.547	ug/L	96
17) trans-1,2-Dichloroethene	2.712	96	7268	1.486	ug/L	81
19) 1,1-Dichloroethane	3.127	63	13719	1.350	ug/L #	95
20) cis-1,2-Dichloroethene	3.825	96	8268m	1.574	ug/L	
22) 2-Butanone	3.902	43	16121m	4.172	ug/L	
23) Bromochloromethane	4.175	128	3997	1.426	ug/L	82
29) Cyclohexane	4.587	56	10272	1.243	ug/L	86
30) 1,1,1-Trichloroethane	4.519	97	13424	1.579	ug/L #	77
31) Carbon tetrachloride	4.744	117	10798	1.464	ug/L	98
33) Benzene	5.021	78	28109	1.383	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
34) Trichloroethene	5.847	95	8318	1.544	ug/L	91
35) Methylcyclohexane	6.047	83	8499	1.006	ug/L #	67
37) 1,2-Dichloropropane	6.108	63	8974m	1.532	ug/L	
38) Bromodichloromethane	6.445	83	11230	1.478	ug/L #	98
39) cis-1,3-Dichloropropene	6.963	75	11193	1.330	ug/L	96
42) Toluene	7.326	91	30559	1.456	ug/L	89
44) trans-1,3-Dichloropropene	7.593	75	14372m	1.770	ug/L	
45) 1,1,2-Trichloroethane	7.776	97	7917	1.379	ug/L	93
46) Tetrachloroethene	7.908	164	6017	1.519	ug/L	84
48) 2-Hexanone	8.079	43	30457m	5.138	ug/L	
49) Dibromochloromethane	8.175	129	8145	1.397	ug/L	95
50) 1,2-Dibromoethane	8.284	107	8282	1.404	ug/L	94
51) Chlorobenzene	8.812	112	22011	1.554	ug/L	97
52) Ethylbenzene	8.947	91	27653	1.223	ug/L	97
53) m,p-Xylene	9.085	106	9814	1.183	ug/L	81
54) o-Xylene	9.477	106	8860	1.104	ug/L	94
57) 1,1,2,2-Tetrachloroethane	10.169	83	16025	1.691	ug/L #	95
59) Bromoform	9.664	173	5548	1.548	ug/L #	99
60) Isopropylbenzene	9.863	105	23492	1.284	ug/L	95
61) 1,2,3-Trichloropropane	10.204	75	9965	1.588	ug/L #	92
62) 1,3,5-Trimethylbenzene	10.471	105	15774	1.108	ug/L	92
63) 1,2,4-Trimethylbenzene	10.847	105	16658	1.185	ug/L	99
64) 1,3-Dichlorobenzene	11.117	146	11959	1.368	ug/L	89
65) 1,4-Dichlorobenzene	11.201	146	17213	1.830	ug/L	94
67) 1,2-Dichlorobenzene	11.567	146	15559	1.762	ug/L #	87
68) 1,2-Dibromo-3-chloropr...	12.368	75	3133	1.747	ug/L #	79
69) 1,3,5-Trichlorobenzene	12.577	180	8534	1.477	ug/L	97
70) 1,2,4-trichlorobenzene	13.197	180	6813	1.379	ug/L	93
71) Naphthalene	13.439	128	19022	1.084	ug/L #	88
72) 1,2,3-Trichlorobenzene	13.673	180	6356	1.233	ug/L	97

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

