

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV111725\
 Data File : VV039393.D
 Acq On : 17 Nov 2025 15:41
 Operator : SY/MD
 Sample : Q3589-01
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-WATER-QT4-2025-07

Quant Time: Nov 18 01:44:28 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM111725WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Nov 18 01:21:06 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Amit Patel 11/19/2025
 Supervised By :Mahesh Dadoda 11/19/2025

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

Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	1107311	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.773	117	1100945	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.172	152	542577	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.291	65	504957	46.792	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	93.580%		
7) Chloroethane-d5	1.545	69	385585	47.857	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	95.720%		
11) 1,1-Dichloroethene-d2	2.069	65	210983	46.449	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	92.900%		
21) 2-Butanone-d5	3.786	46	518231	90.949	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	90.950%		
24) Chloroform-d	4.252	84	819221	45.806	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	91.620%		
26) 1,2-Dichloroethane-d4	4.940	65	526955	47.347	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	94.700%		
32) Benzene-d6	4.960	84	1619585	49.319	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	98.640%		
36) 1,2-Dichloropropane-d6	5.982	67	516885	50.433	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	100.860%		
41) Toluene-d8	7.236	98	1414702	46.646	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	93.300%		
43) trans-1,3-Dichloroprop...	7.545	79	235660	45.575	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	91.140%		
47) 2-Hexanone-d5	8.011	63	362899	92.689	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	92.690%		
56) 1,1,2,2-Tetrachloroeth...	10.140	84	693565	46.297	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	92.600%		
66) 1,2-Dichlorobenzene-d4	11.548	152	556676	54.621	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	109.240%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.121	85	16772	2.159	ug/L	97
3) Chloromethane	1.230	50	19528	2.293	ug/L	91
5) Vinyl chloride	1.294	62	22197	2.313	ug/L #	53
6) Bromomethane	1.500	94	11934	2.233	ug/L	96
8) Chloroethane	1.561	64	12372	1.959	ug/L	95
9) Trichlorofluoromethane	1.725	101	33781	2.176	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.082	101	24766	2.626	ug/L #	83
12) 1,1-Dichloroethene	2.079	96	24328m	2.996	ug/L	
13) Acetone	2.121	43	31435	4.075	ug/L	99
14) Carbon disulfide	2.256	76	50279	2.181	ug/L	99
15) Methyl Acetate	2.394	43	21695m	2.164	ug/L	
16) Methylene chloride	2.461	84	23596	2.481	ug/L	93
17) trans-1,2-Dichloroethene	2.712	96	15914	1.879	ug/L	97
18) Methyl tert-butyl Ether	2.712	73	45861	1.774	ug/L #	84
19) 1,1-Dichloroethane	3.127	63	33435	1.992	ug/L	96
20) cis-1,2-Dichloroethene	3.828	96	17864	1.959	ug/L	97
22) 2-Butanone	3.924	43	37958m	4.946	ug/L	
23) Bromochloromethane	4.165	128	11860	2.202	ug/L	89
25) Chloroform	4.278	83	53526	2.921	ug/L	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.059	62	30532m	2.260	ug/L	
29) Cyclohexane	4.583	56	25837m	1.983	ug/L	
30) 1,1,1-Trichloroethane	4.519	97	33835m	2.173	ug/L	
31) Carbon tetrachloride	4.741	117	31843m	2.221	ug/L	
33) Benzene	5.014	78	76181m	2.216	ug/L	
34) Trichloroethene	5.841	95	20975m	2.259	ug/L	
35) Methylcyclohexane	6.046	83	27615	2.023	ug/L #	92
37) 1,2-Dichloropropane	6.098	63	18727	1.926	ug/L #	94
38) Bromodichloromethane	6.442	83	25909	1.917	ug/L #	96
39) cis-1,3-Dichloropropene	6.960	75	30582	2.043	ug/L	99
40) 4-Methyl-2-pentanone	7.162	43	49989m	4.090	ug/L	
42) Toluene	7.320	91	76716	2.106	ug/L	96
44) trans-1,3-Dichloropropene	7.583	75	32362m	2.243	ug/L	
45) 1,1,2-Trichloroethane	7.770	97	21021	2.079	ug/L	94
46) Tetrachloroethene	7.902	164	18166	2.129	ug/L	96
48) 2-Hexanone	8.082	43	49837m	4.881	ug/L	
49) Dibromochloromethane	8.172	129	23652	2.048	ug/L	92
50) 1,2-Dibromoethane	8.284	107	21974	2.017	ug/L #	98
51) Chlorobenzene	8.808	112	54197	2.075	ug/L	98
52) Ethylbenzene	8.943	91	69821	1.763	ug/L	91
53) m,p-Xylene	9.069	106	24520	1.618	ug/L	100
54) o-Xylene	9.474	106	23410	1.616	ug/L	94
55) Styrene	9.503	104	41588m	1.633	ug/L	
57) 1,1,2,2-Tetrachloroethane	10.165	83	36937	2.274	ug/L #	98
59) Bromoform	9.660	173	18871	2.273	ug/L	98
60) Isopropylbenzene	9.860	105	61059	1.849	ug/L	98
61) 1,2,3-Trichloropropane	10.201	75	25177	2.380	ug/L	99
62) 1,3,5-Trimethylbenzene	10.467	105	45832	1.777	ug/L	96
63) 1,2,4-Trimethylbenzene	10.844	105	42908	1.692	ug/L	98
64) 1,3-Dichlorobenzene	11.114	146	38074	2.118	ug/L	99
65) 1,4-Dichlorobenzene	11.201	146	42109	2.174	ug/L	98
67) 1,2-Dichlorobenzene	11.567	146	45201	2.517	ug/L	96
68) 1,2-Dibromo-3-chloropr...	12.361	75	6347	2.137	ug/L	87
69) 1,3,5-Trichlorobenzene	12.577	180	26133	2.041	ug/L	93
70) 1,2,4-trichlorobenzene	13.194	180	22622	2.027	ug/L	97
71) Naphthalene	13.435	128	55739m	1.774	ug/L	
72) 1,2,3-Trichlorobenzene	13.673	180	22597	1.954	ug/L	98

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

