

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV091225\
 Data File : VV039054.D
 Acq On : 12 Sep 2025 12:12
 Operator : SY/MD
 Sample : Q2899-02
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-WATER-QT3-2025-06

Quant Time: Sep 13 00:45:16 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM091125WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Sep 12 01:49:00 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 09/16/2025
 Supervised By :Semsettin Yesilyurt 09/16/2025

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

Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	827603	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.776	117	830250	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.172	152	354554	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.291	65	341596	44.932	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	89.860%		
7) Chloroethane-d5	1.545	69	286023	47.562	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	95.120%		
11) 1,1-Dichloroethene-d2	2.072	65	150738	45.969	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	91.940%		
21) 2-Butanone-d5	3.789	46	295550	99.064	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	99.060%		
24) Chloroform-d	4.252	84	598462	47.732	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	95.460%		
26) 1,2-Dichloroethane-d4	4.941	65	365780	49.540	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	99.080%		
32) Benzene-d6	4.960	84	1166151	48.450	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	96.900%		
36) 1,2-Dichloropropane-d6	5.986	67	375862	47.727	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	95.460%		
41) Toluene-d8	7.236	98	986569	43.906	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	87.820%		
43) trans-1,3-Dichloroprop...	7.548	79	166398	44.708	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	89.420%		
47) 2-Hexanone-d5	8.014	63	199408	88.948	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	88.950%		
56) 1,1,2,2-Tetrachloroeth...	10.140	84	546871	48.764	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	97.520%		
66) 1,2-Dichlorobenzene-d4	11.548	152	347715	52.217	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	104.440%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.121	85	14878	2.366	ug/L	95
3) Chloromethane	1.230	50	17530	2.486	ug/L	91
5) Vinyl chloride	1.298	62	21047	2.595	ug/L #	78
6) Bromomethane	1.497	94	11108	2.459	ug/L	96
8) Chloroethane	1.561	64	13052	2.531	ug/L	97
9) Trichlorofluoromethane	1.725	101	27757	2.427	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.079	101	19825	2.765	ug/L	91
12) 1,1-Dichloroethene	2.079	96	20587m	3.233	ug/L	
13) Acetone	2.124	43	19114	3.480	ug/L	93
14) Carbon disulfide	2.253	76	46619	2.237	ug/L	97
15) Methyl Acetate	2.394	43	14707	2.059	ug/L	92
16) Methylene chloride	2.462	84	18392	2.624	ug/L	100
17) trans-1,2-Dichloroethene	2.709	96	14621	2.307	ug/L	99
18) Methyl tert-butyl Ether	2.712	73	39051	2.150	ug/L	96
19) 1,1-Dichloroethane	3.127	63	28408	2.410	ug/L	97
20) cis-1,2-Dichloroethene	3.825	96	16104m	2.378	ug/L	
22) 2-Butanone	3.902	43	22232m	4.795	ug/L	
23) Bromochloromethane	4.172	128	8701	2.349	ug/L	96
25) Chloroform	4.281	83	40268	3.200	ug/L	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.059	62	20226	2.207	ug/L	99
29) Cyclohexane	4.584	56	18413	1.785	ug/L	98
30) 1,1,1-Trichloroethane	4.523	97	24994	2.233	ug/L	95
31) Carbon tetrachloride	4.741	117	20997	2.109	ug/L	87
33) Benzene	5.014	78	59576	2.302	ug/L	100
34) Trichloroethene	5.847	95	16399	2.338	ug/L	96
35) Methylcyclohexane	6.043	83	22303	1.987	ug/L	95
37) 1,2-Dichloropropane	6.098	63	13958	2.015	ug/L #	90
38) Bromodichloromethane	6.439	83	22521	2.310	ug/L #	93
39) cis-1,3-Dichloropropene	6.966	75	22844	2.069	ug/L	96
40) 4-Methyl-2-pentanone	7.162	43	29213	3.324	ug/L	97
42) Toluene	7.320	91	61979	2.173	ug/L	99
44) trans-1,3-Dichloropropene	7.587	75	21062	1.978	ug/L #	80
45) 1,1,2-Trichloroethane	7.773	97	17158	2.340	ug/L	97
46) Tetrachloroethene	7.905	164	12085	2.221	ug/L	92
48) 2-Hexanone	8.079	43	29550	4.820	ug/L #	91
49) Dibromochloromethane	8.172	129	18258	2.356	ug/L	93
50) 1,2-Dibromoethane	8.281	107	17179	2.243	ug/L	98
51) Chlorobenzene	8.809	112	43475	2.347	ug/L	97
52) Ethylbenzene	8.944	91	57160	1.905	ug/L	98
53) m,p-Xylene	9.072	106	20300	1.768	ug/L	88
54) o-Xylene	9.474	106	20159	1.896	ug/L	91
55) Styrene	9.500	104	31083	1.655	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.165	83	32115	2.716	ug/L #	94
59) Bromoform	9.661	173	12480	2.612	ug/L #	95
60) Isopropylbenzene	9.860	105	47455	1.945	ug/L	96
61) 1,2,3-Trichloropropane	10.201	75	21965	2.948	ug/L	99
62) 1,3,5-Trimethylbenzene	10.468	105	35377	1.854	ug/L	98
63) 1,2,4-Trimethylbenzene	10.844	105	35781	1.892	ug/L	99
64) 1,3-Dichlorobenzene	11.114	146	26107	2.247	ug/L	99
65) 1,4-Dichlorobenzene	11.201	146	31400	2.525	ug/L	96
67) 1,2-Dichlorobenzene	11.567	146	32357	2.785	ug/L	96
68) 1,2-Dibromo-3-chloropr...	12.358	75	5761	2.754	ug/L #	88
69) 1,3,5-Trichlorobenzene	12.577	180	18024	2.403	ug/L	99
70) 1,2,4-trichlorobenzene	13.194	180	13856	2.125	ug/L	98
71) Naphthalene	13.435	128	37554	1.723	ug/L	99
72) 1,2,3-Trichlorobenzene	13.670	180	14209	2.099	ug/L	97

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

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