

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092325\
 Data File : VU063627.D
 Acq On : 23 Sep 2025 11:20
 Operator : MD/SY
 Sample : Q2899-02
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 6 Sample Multiplier: 1

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

Quant Time: Sep 24 01:19:18 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092225WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Sep 24 01:10:58 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.235	114	235047	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.409	117	222635	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	104280	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	76865	48.756	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	97.520%
7) Chloroethane-d5	1.894	69	68867	51.345	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	102.680%
11) 1,1-Dichloroethene-d2	2.550	63	103055	36.581	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	73.160%
21) 2-Butanone-d5	4.615	46	107802	99.104	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	99.100%
24) Chloroform-d	5.045	84	141664	48.025	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.060%
26) 1,2-Dichloroethane-d4	5.688	65	99432	51.739	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.480%
32) Benzene-d6	5.714	84	280407	52.585	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.160%
36) 1,2-Dichloropropane-d6	6.676	67	92463	53.078	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	106.160%
41) Toluene-d8	7.888	98	251996	50.286	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.580%
43) trans-1,3-Dichloroprop...	8.171	79	27680	43.869	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.740%
47) 2-Hexanone-d5	8.624	63	67063	105.062	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	105.060%
56) 1,1,2,2-Tetrachloroeth...	10.746	84	136291	50.809	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	101.620%
66) 1,2-Dichlorobenzene-d4	12.187	152	92448	52.755	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	105.500%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.380	85	2916	2.305	ug/L	90
3) Chloromethane	1.518	50	4375	2.683	ug/L	99
5) Vinyl chloride	1.595	62	5074	2.614	ug/L #	70
6) Bromomethane	1.833	94	3319	2.699	ug/L	78
8) Chloroethane	1.914	64	3725	2.833	ug/L	87
9) Trichlorofluoromethane	2.123	101	7101	2.511	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.563	101	4658	2.994	ug/L #	77
12) 1,1-Dichloroethene	2.566	96	3831	2.768	ug/L #	1
13) Acetone	2.621	43	7485	5.766	ug/L	97
14) Carbon disulfide	2.775	76	7778	2.166	ug/L	98
15) Methyl Acetate	2.959	43	4837m	2.512	ug/L	
16) Methylene chloride	3.033	84	6648	3.799	ug/L	94
17) trans-1,2-Dichloroethene	3.341	96	3870	2.597	ug/L	87
18) Methyl tert-butyl Ether	3.357	73	11091	2.301	ug/L	99
19) 1,1-Dichloroethane	3.856	63	7094	2.339	ug/L	90
20) cis-1,2-Dichloroethene	4.656	96	4189	2.401	ug/L	97
22) 2-Butanone	4.727	43	9037m	6.024	ug/L	
23) Bromochloromethane	4.965	128	2025	2.215	ug/L	97
25) Chloroform	5.068	83	9346	2.901	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.785	62	6953m	2.612	ug/L	
29) Cyclohexane	5.370	56	6570m	2.511	ug/L	
30) 1,1,1-Trichloroethane	5.303	97	5530	2.259	ug/L #	88
31) Carbon tetrachloride	5.505	117	4273	2.203	ug/L	90
33) Benzene	5.766	78	15830	2.449	ug/L	100
34) Trichloroethene	6.537	95	4808	2.655	ug/L	97
35) Methylcyclohexane	6.750	83	7377	2.854	ug/L #	84
37) 1,2-Dichloropropane	6.782	63	4204	2.348	ug/L #	88
38) Bromodichloromethane	7.094	83	4465	2.103	ug/L	96
39) cis-1,3-Dichloropropene	7.602	75	5486	2.357	ug/L	95
40) 4-Methyl-2-pentanone	7.788	43	12122m	4.699	ug/L	
42) Toluene	7.965	91	17998	2.539	ug/L	95
44) trans-1,3-Dichloropropene	8.203	75	4880m	2.469	ug/L	
45) 1,1,2-Trichloroethane	8.396	97	4463	2.568	ug/L	90
46) Tetrachloroethene	8.547	164	3218	2.440	ug/L	92
48) 2-Hexanone	8.682	43	16366m	8.386	ug/L	
49) Dibromochloromethane	8.804	129	3279	2.108	ug/L	96
50) 1,2-Dibromoethane	8.917	107	4072	2.262	ug/L #	72
51) Chlorobenzene	9.438	112	11490	2.450	ug/L	92
52) Ethylbenzene	9.566	91	18328	2.338	ug/L	92
53) m,p-Xylene	9.692	106	6277	2.147	ug/L	91
54) o-Xylene	10.093	106	6410	2.200	ug/L	92
55) Styrene	10.116	104	10204	2.143	ug/L	92
57) 1,1,2,2-Tetrachloroethane	10.772	83	7781	2.649	ug/L #	97
59) Bromoform	10.286	173	2019	1.988	ug/L #	93
60) 1,2,3-Trichloropropane	10.814	75	6031	2.743	ug/L	97
61) Isopropylbenzene	10.476	105	17380	2.444	ug/L	99
62) 1,3,5-Trimethylbenzene	11.084	105	13471	2.303	ug/L	98
63) 1,2,4-Trimethylbenzene	11.463	105	12619	2.225	ug/L	94
64) 1,3-Dichlorobenzene	11.743	146	8384	2.587	ug/L	99
65) 1,4-Dichlorobenzene	11.830	146	8416	2.566	ug/L	92
67) 1,2-Dichlorobenzene	12.206	146	8116	2.546	ug/L	96
68) 1,2-Dibromo-3-chloropr...	12.997	75	822m	1.667	ug/L	
69) 1,3,5-Trichlorobenzene	13.219	180	5197m	2.293	ug/L	
70) 1,2,4-trichlorobenzene	13.846	180	4365	2.333	ug/L	98
71) Naphthalene	14.097	128	11555	2.273	ug/L #	77
72) 1,2,3-Trichlorobenzene	14.334	180	3781	2.109	ug/L #	88

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

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