

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092225\
 Data File : VU063620.D
 Acq On : 22 Sep 2025 15:32
 Operator : MD/SY
 Sample : Q2899-01
 Misc : 5mL/MSVOA_U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-QT3-2025-05

Quant Time: Sep 23 05:55:02 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092225WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Sep 23 05:35:07 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 09/24/2025
 Supervised By :Semsettin Yesilyurt 09/24/2025

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

Internal Standards						
1) 1,4-Difluorobenzene	6.235	114	247372	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.409	117	234658	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	109960	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	79570	47.957	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	95.920%		
7) Chloroethane-d5	1.891	69	71388	50.572	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	101.140%		
11) 1,1-Dichloroethene-d2	2.550	63	107241	36.170	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	72.340%		
21) 2-Butanone-d5	4.615	46	114282	99.827	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	99.830%		
24) Chloroform-d	5.045	84	145781	46.959	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	93.920%		
26) 1,2-Dichloroethane-d4	5.685	65	101203	50.036	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	100.080%		
32) Benzene-d6	5.711	84	290103	51.616	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	103.240%		
36) 1,2-Dichloropropane-d6	6.676	67	96321	52.459	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	104.920%		
41) Toluene-d8	7.888	98	263214	49.833	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	99.660%		
43) trans-1,3-Dichloroprop...	8.171	79	29849	44.883	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	89.760%		
47) 2-Hexanone-d5	8.624	63	66993	99.575	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	99.580%		
56) 1,1,2,2-Tetrachloroeth...	10.746	84	137889	48.771	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	97.540%		
66) 1,2-Dichlorobenzene-d4	12.183	152	97015	52.501	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	105.000%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.380	85	2712	2.037	ug/L	97
3) Chloromethane	1.515	50	4116	2.398	ug/L	100
5) Vinyl chloride	1.595	62	5107	2.500	ug/L #	77
6) Bromomethane	1.830	94	3276	2.531	ug/L	90
8) Chloroethane	1.911	64	2988	2.159	ug/L	91
9) Trichlorofluoromethane	2.123	101	6205	2.085	ug/L	89
10) 1,1,2-Trichloro-1,2,2-...	2.560	101	4344	2.653	ug/L #	80
12) 1,1-Dichloroethene	2.567	96	3727	2.559	ug/L #	1
13) Acetone	2.621	43	5819	4.259	ug/L	92
14) Carbon disulfide	2.776	76	8109	2.146	ug/L	95
15) Methyl Acetate	2.956	43	3792m	1.871	ug/L	
16) Methylene chloride	3.030	84	6086	3.305	ug/L	91
17) trans-1,2-Dichloroethene	3.345	96	3145	2.005	ug/L	93
18) Methyl tert-butyl Ether	3.357	73	10253	2.021	ug/L	95
19) 1,1-Dichloroethane	3.859	63	6440m	2.017	ug/L	
20) cis-1,2-Dichloroethene	4.650	96	3732	2.032	ug/L	92
22) 2-Butanone	4.737	43	8112m	5.138	ug/L	
23) Bromochloromethane	4.965	128	1825m	1.897	ug/L	
25) Chloroform	5.068	83	8116	2.394	ug/L	93

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092225\
 Data File : VU063620.D
 Acq On : 22 Sep 2025 15:32
 Operator : MD/SY
 Sample : Q2899-01
 Misc : 5mL/MSVOA_U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-QT3-2025-05

Quant Time: Sep 23 05:55:02 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092225WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Sep 23 05:35:07 2025
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 09/24/2025
 Supervised By :Semsettin Yesilyurt 09/24/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.785	62	6065	2.165	ug/L #	92
29) Cyclohexane	5.370	56	5839	2.117	ug/L #	92
30) 1,1,1-Trichloroethane	5.306	97	4828	1.871	ug/L #	80
31) Carbon tetrachloride	5.508	117	3706	1.813	ug/L	96
33) Benzene	5.763	78	15121m	2.219	ug/L	
34) Trichloroethene	6.534	95	4382	2.296	ug/L	96
35) Methylcyclohexane	6.743	83	6487m	2.381	ug/L	
37) 1,2-Dichloropropane	6.785	63	4258	2.256	ug/L #	88
38) Bromodichloromethane	7.097	83	3864	1.727	ug/L	97
39) cis-1,3-Dichloropropene	7.602	75	4915	2.003	ug/L	86
40) 4-Methyl-2-pentanone	7.785	43	12740m	4.685	ug/L	
42) Toluene	7.965	91	15105	2.022	ug/L	100
44) trans-1,3-Dichloropropene	8.200	75	4344m	2.085	ug/L	
45) 1,1,2-Trichloroethane	8.389	97	4061	2.217	ug/L	95
46) Tetrachloroethene	8.541	164	3232	2.325	ug/L	89
48) 2-Hexanone	8.682	43	14579	7.087	ug/L #	81
49) Dibromochloromethane	8.801	129	2588	1.578	ug/L	90
50) 1,2-Dibromoethane	8.914	107	3759	1.981	ug/L #	95
51) Chlorobenzene	9.438	112	10640	2.152	ug/L	97
52) Ethylbenzene	9.563	91	16836	2.038	ug/L	96
53) m,p-Xylene	9.692	106	5915	1.919	ug/L	97
54) o-Xylene	10.097	106	5691	1.853	ug/L	100
55) Styrene	10.116	104	9436m	1.880	ug/L	
57) 1,1,2,2-Tetrachloroethane	10.772	83	7213	2.330	ug/L	93
59) Bromoform	10.283	173	1902	1.776	ug/L #	92
60) 1,2,3-Trichloropropane	10.814	75	5816	2.509	ug/L	94
61) Isopropylbenzene	10.476	105	15094	2.013	ug/L	98
62) 1,3,5-Trimethylbenzene	11.084	105	12354	2.003	ug/L	99
63) 1,2,4-Trimethylbenzene	11.463	105	11827	1.978	ug/L	98
64) 1,3-Dichlorobenzene	11.743	146	7896	2.310	ug/L	95
65) 1,4-Dichlorobenzene	11.830	146	8281	2.395	ug/L	93
67) 1,2-Dichlorobenzene	12.206	146	7982	2.375	ug/L	92
68) 1,2-Dibromo-3-chloropr...	13.000	75	992m	1.908	ug/L	
69) 1,3,5-Trichlorobenzene	13.222	180	5269	2.205	ug/L	96
70) 1,2,4-trichlorobenzene	13.846	180	4093	2.075	ug/L	97
71) Naphthalene	14.097	128	13332	2.487	ug/L #	88
72) 1,2,3-Trichlorobenzene	14.331	180	4070	2.152	ug/L	95

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092225\
Data File : VU063620.D
Acq On : 22 Sep 2025 15:32
Operator : MD/SY
Sample : Q2899-01
Misc : 5mL/MSVOA_U/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT3-2025-05

Quant Time: Sep 23 05:55:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092225WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Sep 23 05:35:07 2025
Response via : Initial Calibration

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 09/24/2025
Supervised By :Semsettin Yesilyurt 09/24/2025

