

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111225\
 Data File : VU063716.D
 Acq On : 12 Nov 2025 13:41
 Operator : MD/SY
 Sample : Q3530-08
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 LOQ-WATER-02-QT4-2025

Quant Time: Nov 14 05:02:17 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U111025W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 14 04:59:23 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 11/14/2025
 Supervised By : Mahesh Dadoda 11/14/2025

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

Internal Standards						
1) Pentafluorobenzene	5.345	168	192306	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.219	114	317755	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.393	117	295400	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.788	152	154999	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.673	65	138303	48.684	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	97.360%		
35) Dibromofluoromethane	5.258	113	105409	47.363	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	94.720%		
50) Toluene-d8	7.872	98	371063	46.410	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	92.820%		
62) 4-Bromofluorobenzene	10.608	95	156340	47.270	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	94.540%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.374	85	1348	1.161	ug/l	95
3) Chloromethane	1.509	50	1689	1.251	ug/l	95
4) Vinyl Chloride	1.589	62	1980	1.386	ug/l	97
5) Bromomethane	1.837	94	1692	1.687	ug/l	93
6) Chloroethane	1.914	64	1499	1.388	ug/l	89
7) Trichlorofluoromethane	2.120	101	3061	1.120	ug/l	90
8) Diethyl Ether	2.358	74	1264	1.088	ug/l	61
9) 1,1,2-Trichlorotrifluo...	2.554	101	1801	1.037	ug/l	87
10) Methyl Iodide	2.695	142	1850	1.069	ug/l #	42
11) Tert butyl alcohol	3.161	59	4115	6.209	ug/l #	84
12) 1,1-Dichloroethene	2.557	96	1874	1.253	ug/l #	91
13) Acrolein	2.473	56	294m	5.548	ug/l	
14) Allyl chloride	2.901	41	3276	1.175	ug/l	99
15) Acrylonitrile	3.316	53	6396	4.712	ug/l #	80
16) Acetone	2.605	43	13147	7.076	ug/l	91
17) Carbon Disulfide	2.766	76	2747	1.249	ug/l #	91
18) Methyl Acetate	2.949	43	2979m	0.676	ug/l	
19) Methyl tert-butyl Ether	3.338	73	6880	1.020	ug/l	100
20) Methylene Chloride	3.023	84	3022	1.427	ug/l	93
21) trans-1,2-Dichloroethene	3.332	96	2134	1.390	ug/l #	67
22) Diisopropyl ether	3.959	45	6253	1.018	ug/l #	2
23) Vinyl Acetate	3.962	43	18361	4.383	ug/l #	94
24) 1,1-Dichloroethane	3.849	63	3465m	0.978	ug/l	
25) 2-Butanone	4.724	43	9720	4.969	ug/l	98
26) 2,2-Dichloropropane	4.634	77	2787	0.916	ug/l	81
27) cis-1,2-Dichloroethene	4.640	96	2637	1.176	ug/l	95
28) Bromochloromethane	4.952	49	1201	0.847	ug/l #	70
29) Tetrahydrofuran	5.046	42	5640m	4.955	ug/l	
30) Chloroform	5.062	83	4149	1.069	ug/l	89
31) Cyclohexane	5.348	56	7302	2.919	ug/l #	49
32) 1,1,1-Trichloroethane	5.287	97	3198	1.004	ug/l #	53
36) 1,1-Dichloropropene	5.505	75	3191	1.409	ug/l #	83
37) Ethyl Acetate	4.817	43	1289m	0.402	ug/l	
38) Carbon Tetrachloride	5.499	117	2502	1.022	ug/l	90
39) Methylcyclohexane	6.730	83	2859	1.112	ug/l #	89
40) Benzene	5.756	78	8557	1.171	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111225\
 Data File : VU063716.D
 Acq On : 12 Nov 2025 13:41
 Operator : MD/SY
 Sample : Q3530-08
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 LOQ-WATER-02-QT4-2025

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/14/2025
 Supervised By : Mahesh Dadoda 11/14/2025

Quant Time: Nov 14 05:02:17 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U111025W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 14 04:59:23 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	5.004	41	1401m	0.840	ug/l	
42) 1,2-Dichloroethane	5.775	62	3501	1.214	ug/l	92
43) Isopropyl Acetate	5.904	43	3943	0.839	ug/l #	79
44) Trichloroethene	6.518	130	2550	1.243	ug/l	95
45) 1,2-Dichloropropane	6.766	63	2281	1.148	ug/l #	85
46) Dibromomethane	6.894	93	1598	1.071	ug/l #	75
47) Bromodichloromethane	7.078	83	2757	0.911	ug/l	89
48) Methyl methacrylate	6.952	41	2379	1.031	ug/l #	80
49) 1,4-Dioxane	6.959	88	928	15.179	ug/l #	69
51) 4-Methyl-2-Pentanone	7.772	43	16693	4.640	ug/l	98
52) Toluene	7.952	92	5786	1.220	ug/l	99
53) t-1,3-Dichloropropene	8.193	75	2302	0.904	ug/l #	84
54) cis-1,3-Dichloropropene	7.586	75	2942	1.030	ug/l #	87
55) 1,1,2-Trichloroethane	8.377	97	2493	1.145	ug/l	96
56) Ethyl methacrylate	8.325	69	2234	0.695	ug/l #	64
57) 1,3-Dichloropropane	8.553	76	3833	1.079	ug/l	95
59) 2-Hexanone	8.676	43	12663	4.726	ug/l	100
60) Dibromochloromethane	8.785	129	1880	0.825	ug/l	87
61) 1,2-Dibromoethane	8.904	107	2332	1.112	ug/l	93
64) Tetrachloroethene	8.531	164	2266	1.189	ug/l	94
65) Chlorobenzene	9.422	112	7545	1.307	ug/l	93
66) 1,1,1,2-Tetrachloroethane	9.508	131	1904	0.970	ug/l #	64
67) Ethyl Benzene	9.550	91	10951	1.139	ug/l	95
68) m/p-Xylenes	9.676	106	8169	2.302	ug/l	90
69) o-Xylene	10.078	106	3899	1.065	ug/l	90
70) Styrene	10.103	104	6280	1.068	ug/l	94
71) Bromoform	10.267	173	1470	0.930	ug/l #	93
73) Isopropylbenzene	10.460	105	10556	1.084	ug/l	98
74) N-amyl acetate	10.325	43	3440	1.014	ug/l #	69
75) 1,1,2,2-Tetrachloroethane	10.756	83	4071	1.089	ug/l #	98
76) 1,2,3-Trichloropropane	10.801	75	4595	1.176	ug/l #	100
77) Bromobenzene	10.762	156	3179	1.298	ug/l	98
78) n-propylbenzene	10.885	91	14494	1.297	ug/l	94
79) 2-Chlorotoluene	10.968	91	8281	1.147	ug/l	99
80) 1,3,5-Trimethylbenzene	11.065	105	8399	1.029	ug/l	87
81) trans-1,4-Dichloro-2-b...	10.528	75	616m	0.840	ug/l	
82) 4-Chlorotoluene	11.081	91	10543	1.285	ug/l	96
83) tert-Butylbenzene	11.396	119	9225	1.085	ug/l	97
84) 1,2,4-Trimethylbenzene	11.450	105	8665	1.081	ug/l	95
85) sec-Butylbenzene	11.621	105	12652	1.178	ug/l	100
86) p-Isopropyltoluene	11.769	119	9966	1.155	ug/l	93
87) 1,3-Dichlorobenzene	11.727	146	6684	1.452	ug/l	97
88) 1,4-Dichlorobenzene	11.817	146	6923m	1.438	ug/l	
89) n-Butylbenzene	12.190	91	9966	1.258	ug/l	97
90) Hexachloroethane	12.450	117	1057	0.803	ug/l	94
91) 1,2-Dichlorobenzene	12.193	146	5771	1.256	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	12.978	75	549	0.716	ug/l	88
93) 1,2,4-Trichlorobenzene	13.827	180	4064	1.387	ug/l	95
94) Hexachlorobutadiene	13.994	225	1944	1.317	ug/l	94
95) Naphthalene	14.071	128	14751	1.858	ug/l #	96
96) 1,2,3-Trichlorobenzene	14.309	180	3944	1.448	ug/l	93

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111225\
Data File : VU063716.D
Acq On : 12 Nov 2025 13:41
Operator : MD/SY
Sample : Q3530-08
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Nov 14 05:02:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U111025W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 14 04:59:23 2025
Response via : Initial Calibration

Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT4-2025

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025

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

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

