

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111225\
 Data File : VU063715.D
 Acq On : 12 Nov 2025 13:05
 Operator : MD/SY
 Sample : Q3530-09
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-03-QT4-2025

Quant Time: Nov 14 05:01:32 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	5.341	168	192246	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.219	114	319272	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.393	117	297594	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.788	152	157269	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.669	65	143930	50.681	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 101.360%			
35) Dibromofluoromethane	5.255	113	111549	49.884	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.760%			
50) Toluene-d8	7.872	98	393228	48.948	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 97.900%			
62) 4-Bromofluorobenzene	10.608	95	164127	49.388	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 98.780%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.374	85	3155	2.717	ug/l	95
3) Chloromethane	1.509	50	3409	2.525	ug/l #	85
4) Vinyl Chloride	1.589	62	4016	2.812	ug/l	90
5) Bromomethane	1.837	94	3831	3.821	ug/l	94
6) Chloroethane	1.914	64	3408	3.156	ug/l	93
7) Trichlorofluoromethane	2.117	101	8027	2.938	ug/l	98
8) Diethyl Ether	2.358	74	3262	2.808	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.557	101	5076	2.924	ug/l	98
10) Methyl Iodide	2.695	142	4002	2.313	ug/l	96
11) Tert butyl alcohol	3.162	59	13023	19.655	ug/l #	87
12) 1,1-Dichloroethene	2.557	96	4248	2.842	ug/l	94
13) Acrolein	2.467	56	1080	20.386	ug/l	95
14) Allyl chloride	2.901	41	7441	2.669	ug/l	96
15) Acrylonitrile	3.300	53	16747	12.341	ug/l	91
16) Acetone	2.605	43	30048	16.177	ug/l	98
17) Carbon Disulfide	2.766	76	6566	2.985	ug/l	99
18) Methyl Acetate	2.936	43	5635	1.279	ug/l	96
19) Methyl tert-butyl Ether	3.335	73	17795	2.638	ug/l	95
20) Methylene Chloride	3.017	84	6473	3.057	ug/l	98
21) trans-1,2-Dichloroethene	3.325	96	4651	3.031	ug/l #	85
22) Diisopropyl ether	3.962	45	16043	2.613	ug/l #	26
23) Vinyl Acetate	3.943	43	49362	11.788	ug/l	100
24) 1,1-Dichloroethane	3.837	63	9441	2.666	ug/l	97
25) 2-Butanone	4.695	43	25554	13.069	ug/l #	83
26) 2,2-Dichloropropane	4.631	77	7245	2.382	ug/l	97
27) cis-1,2-Dichloroethene	4.644	96	5987	2.670	ug/l	98
28) Bromochloromethane	4.949	49	2508	1.770	ug/l #	90
29) Tetrahydrofuran	5.036	42	13672	12.016	ug/l	99
30) Chloroform	5.059	83	10350	2.668	ug/l	96
31) Cyclohexane	5.341	56	11085	4.433	ug/l #	70
32) 1,1,1-Trichloroethane	5.284	97	8378	2.632	ug/l	96
36) 1,1-Dichloropropene	5.502	75	5689	2.500	ug/l	84
37) Ethyl Acetate	4.801	43	6110	1.896	ug/l	95
38) Carbon Tetrachloride	5.489	117	5924	2.408	ug/l	94
39) Methylcyclohexane	6.734	83	7338	2.840	ug/l	95
40) Benzene	5.747	78	20099	2.737	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111225\
 Data File : VU063715.D
 Acq On : 12 Nov 2025 13:05
 Operator : MD/SY
 Sample : Q3530-09
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-03-QT4-2025

Quant Time: Nov 14 05:01:32 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)
41) Methacrylonitrile	4.972	41	3083m	1.841	ug/l	
42) 1,2-Dichloroethane	5.766	62	8073	2.787	ug/l	97
43) Isopropyl Acetate	5.898	43	10502	2.223	ug/l	98
44) Trichloroethene	6.515	130	5903	2.865	ug/l	86
45) 1,2-Dichloropropane	6.763	63	5261	2.635	ug/l	94
46) Dibromomethane	6.891	93	4168	2.780	ug/l	98
47) Bromodichloromethane	7.078	83	7326	2.410	ug/l	96
48) Methyl methacrylate	6.946	41	5415	2.335	ug/l	90
49) 1,4-Dioxane	6.952	88	2506	40.795	ug/l	95
51) 4-Methyl-2-Pentanone	7.769	43	43865	12.135	ug/l	96
52) Toluene	7.943	92	13249	2.780	ug/l	100
53) t-1,3-Dichloropropene	8.190	75	6046	2.362	ug/l	100
54) cis-1,3-Dichloropropene	7.586	75	5979	2.084	ug/l #	87
55) 1,1,2-Trichloroethane	8.374	97	5761	2.634	ug/l #	92
56) Ethyl methacrylate	8.316	69	7207	2.233	ug/l	97
57) 1,3-Dichloropropane	8.554	76	9727	2.726	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.457	63	148	3.814	ug/l #	57
59) 2-Hexanone	8.666	43	35618	13.230	ug/l	94
60) Dibromochloromethane	8.782	129	5241	2.288	ug/l	100
61) 1,2-Dibromoethane	8.898	107	5863	2.782	ug/l	96
64) Tetrachloroethene	8.528	164	5602	2.918	ug/l	96
65) Chlorobenzene	9.422	112	17141	2.948	ug/l	95
66) 1,1,1,2-Tetrachloroethane	9.509	131	4987	2.521	ug/l	92
67) Ethyl Benzene	9.547	91	25554	2.638	ug/l	97
68) m/p-Xylenes	9.672	106	18694	5.229	ug/l	93
69) o-Xylene	10.078	106	9391	2.546	ug/l	89
70) Styrene	10.100	104	14879	2.511	ug/l	98
71) Bromoform	10.267	173	3709	2.329	ug/l #	99
73) Isopropylbenzene	10.460	105	26376	2.669	ug/l	98
74) N-amyl acetate	10.306	43	7450	2.164	ug/l #	94
75) 1,1,2,2-Tetrachloroethane	10.756	83	10444	2.753	ug/l	94
76) 1,2,3-Trichloropropane	10.798	75	9463	2.388	ug/l #	100
77) Bromobenzene	10.759	156	7155	2.878	ug/l	95
78) n-propylbenzene	10.885	91	29683	2.619	ug/l	99
79) 2-Chlorotoluene	10.962	91	20391	2.783	ug/l	94
80) 1,3,5-Trimethylbenzene	11.065	105	20299	2.450	ug/l	98
81) trans-1,4-Dichloro-2-b...	10.521	75	1309m	1.760	ug/l	
82) 4-Chlorotoluene	11.078	91	22496	2.702	ug/l	99
83) tert-Butylbenzene	11.393	119	21906	2.538	ug/l	95
84) 1,2,4-Trimethylbenzene	11.444	105	19338	2.379	ug/l	95
85) sec-Butylbenzene	11.618	105	27727	2.543	ug/l	99
86) p-Isopropyltoluene	11.769	119	22516	2.573	ug/l	96
87) 1,3-Dichlorobenzene	11.727	146	13608	2.914	ug/l	98
88) 1,4-Dichlorobenzene	11.814	146	14050	2.875	ug/l	89
89) n-Butylbenzene	12.187	91	21403	2.663	ug/l	98
90) Hexachloroethane	12.447	117	3038	2.276	ug/l	86
91) 1,2-Dichlorobenzene	12.193	146	12557	2.693	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.968	75	1675	2.154	ug/l	85
93) 1,2,4-Trichlorobenzene	13.817	180	7739	2.603	ug/l	99
94) Hexachlorobutadiene	13.994	225	3898	2.602	ug/l	95
95) Naphthalene	14.068	128	23289	2.892	ug/l	99
96) 1,2,3-Trichlorobenzene	14.306	180	7530	2.724	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111225\
Data File : VU063715.D
Acq On : 12 Nov 2025 13:05
Operator : MD/SY
Sample : Q3530-09
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Nov 14 05:01:32 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 :
MDL-WATER-03-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

