

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU071125\
 Data File : VU063489.D
 Acq On : 11 Jul 2025 11:39
 Operator : MD/SY
 Sample : MDL05
 Misc : 5mL/MSVOA_U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL05

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 07/14/2025
 Supervised By :Semsettin Yesilyurt 07/14/2025

Quant Time: Jul 12 03:48:52 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U070825W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 12 03:41:46 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.361	168	104638	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.239	114	186461	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.409	117	173889	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.805	152	87871	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.692	65	75614	56.637	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 113.280%			
35) Dibromofluoromethane	5.278	113	58440	51.995	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.000%			
50) Toluene-d8	7.888	98	185894	50.739	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 101.480%			
62) 4-Bromofluorobenzene	10.625	95	83531	52.124	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 104.240%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.381	85	2355	2.830	ug/l	96
3) Chloromethane	1.519	50	3118	3.076	ug/l	93
4) Vinyl Chloride	1.599	62	3384	3.011	ug/l	91
5) Bromomethane	1.847	94	3827	4.860	ug/l	87
6) Chloroethane	1.924	64	3070	3.770	ug/l	95
7) Trichlorofluoromethane	2.130	101	5288	2.916	ug/l	96
8) Diethyl Ether	2.371	74	2305	3.050	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.567	101	3444	3.211	ug/l	92
10) Methyl Iodide	2.709	142	3078	2.748	ug/l	95
11) Tert butyl alcohol	3.188	59	8263	18.460	ug/l #	93
12) 1,1-Dichloroethene	2.567	96	3518	3.524	ug/l	86
13) Acrolein	2.480	56	957	15.147	ug/l	93
14) Allyl chloride	2.908	41	7163	3.014	ug/l	95
15) Acrylonitrile	3.307	53	15222	15.876	ug/l	92
16) Acetone	2.622	43	16273	14.530	ug/l	96
17) Carbon Disulfide	2.776	76	9107	3.816	ug/l	96
18) Methyl Acetate	2.943	43	9125	3.166	ug/l	99
19) Methyl tert-butyl Ether	3.358	73	12399	2.880	ug/l	92
20) Methylene Chloride	3.027	84	4537	2.778	ug/l	88
21) trans-1,2-Dichloroethene	3.332	96	3698	3.448	ug/l	96
22) Diisopropyl ether	3.991	45	11300	2.793	ug/l #	81
23) Vinyl Acetate	3.953	43	43665	13.908	ug/l	98
24) 1,1-Dichloroethane	3.853	63	6404	2.789	ug/l	96
25) 2-Butanone	4.721	43	16893	13.437	ug/l	99
26) 2,2-Dichloropropane	4.651	77	4784	2.395	ug/l	99
27) cis-1,2-Dichloroethene	4.660	96	3942	2.784	ug/l	98
28) Bromochloromethane	4.966	49	3681	3.412	ug/l #	85
29) Tetrahydrofuran	5.059	42	13050	16.455	ug/l #	92
30) Chloroform	5.075	83	6598	2.721	ug/l	100
31) Cyclohexane	5.364	56	8178	4.430	ug/l #	70
32) 1,1,1-Trichloroethane	5.300	97	5895	2.856	ug/l #	52
36) 1,1-Dichloropropene	5.512	75	4914	3.218	ug/l	94
37) Ethyl Acetate	4.827	43	8530m	3.449	ug/l	
38) Carbon Tetrachloride	5.509	117	4624	2.748	ug/l	99
39) Methylcyclohexane	6.747	83	5584	3.026	ug/l	97
40) Benzene	5.766	78	12235	2.565	ug/l	92

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 Quant Title : SW846 8260
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.995	41	3193m	2.736	ug/l	
42) 1,2-Dichloroethane	5.792	62	5676	3.165	ug/l	87
43) Isopropyl Acetate	5.924	43	8709	2.651	ug/l #	93
44) Trichloroethene	6.535	130	3434	2.690	ug/l	81
45) 1,2-Dichloropropane	6.782	63	3661	2.761	ug/l	90
46) Dibromomethane	6.911	93	2676	2.837	ug/l	96
47) Bromodichloromethane	7.097	83	5462	2.784	ug/l	92
48) Methyl methacrylate	6.969	41	3940	2.595	ug/l	89
49) 1,4-Dioxane	6.969	88	2042	61.286	ug/l #	66
51) 4-Methyl-2-Pentanone	7.786	43	36598	15.391	ug/l	97
52) Toluene	7.962	92	9023	2.892	ug/l	93
53) t-1,3-Dichloropropene	8.207	75	4185	2.438	ug/l #	87
54) cis-1,3-Dichloropropene	7.602	75	4646	2.418	ug/l #	90
55) 1,1,2-Trichloroethane	8.393	97	3598	2.716	ug/l	89
56) Ethyl methacrylate	8.332	69	5583	2.612	ug/l	89
57) 1,3-Dichloropropane	8.573	76	5976	2.736	ug/l #	88
59) 2-Hexanone	8.683	43	28758	15.990	ug/l	95
60) Dibromochloromethane	8.802	129	3330	2.244	ug/l	99
61) 1,2-Dibromoethane	8.917	107	3573	2.748	ug/l	97
64) Tetrachloroethene	8.544	164	3125	2.414	ug/l #	61
65) Chlorobenzene	9.438	112	10625	2.937	ug/l	97
66) 1,1,1,2-Tetrachloroethane	9.525	131	2711	2.185	ug/l	84
67) Ethyl Benzene	9.564	91	17509	2.816	ug/l	100
68) m/p-Xylenes	9.689	106	13437	5.662	ug/l	100
69) o-Xylene	10.094	106	6442	2.670	ug/l	99
70) Styrene	10.113	104	9968	2.598	ug/l	98
71) Bromoform	10.281	173	2286	2.114	ug/l #	95
73) Isopropylbenzene	10.477	105	17037	2.849	ug/l	99
74) N-amyl acetate	10.319	43	8439	3.147	ug/l	97
75) 1,1,2,2-Tetrachloroethane	10.776	83	6149	2.794	ug/l	93
76) 1,2,3-Trichloropropane	10.814	75	6969	2.993	ug/l #	81
77) Bromobenzene	10.776	156	4311	2.941	ug/l	91
78) n-propylbenzene	10.898	91	19615	2.829	ug/l	99
79) 2-Chlorotoluene	10.978	91	12552	2.886	ug/l	98
80) 1,3,5-Trimethylbenzene	11.081	105	14403	2.754	ug/l	98
81) trans-1,4-Dichloro-2-b...	10.544	75	1293m	2.770	ug/l	
82) 4-Chlorotoluene	11.091	91	13603	2.755	ug/l	98
83) tert-Butylbenzene	11.412	119	13547	2.701	ug/l	95
84) 1,2,4-Trimethylbenzene	11.461	105	14027	2.731	ug/l	98
85) sec-Butylbenzene	11.634	105	19099	2.886	ug/l	96
86) p-Isopropyltoluene	11.785	119	15241	2.839	ug/l	99
87) 1,3-Dichlorobenzene	11.744	146	7662	2.713	ug/l	92
88) 1,4-Dichlorobenzene	11.830	146	9305	3.232	ug/l	90
89) n-Butylbenzene	12.203	91	15235	3.066	ug/l	97
90) Hexachloroethane	12.464	117	2301	2.563	ug/l	88
91) 1,2-Dichlorobenzene	12.210	146	7775	2.823	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.994	75	1434	2.751	ug/l	97
93) 1,2,4-Trichlorobenzene	13.840	180	5767	3.270	ug/l	97
94) Hexachlorobutadiene	14.010	225	1962	2.602	ug/l	92
95) Naphthalene	14.088	128	24255	4.199	ug/l	98
96) 1,2,3-Trichlorobenzene	14.325	180	5856	3.379	ug/l	94

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

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

