

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU071125\
 Data File : VU063491.D
 Acq On : 11 Jul 2025 12:22
 Operator : MD/SY
 Sample : MDL05
 Misc : 5mL/MSVOA_U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL05

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 07/16/2025
 Supervised By :Semsettin Yesilyurt 07/16/2025

Quant Time: Jul 12 03:51:21 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	5.357	168	102275	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.235	114	187597	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.406	117	173761	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.804	152	87861	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.689	65	72950	55.904	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 111.800%			
35) Dibromofluoromethane	5.274	113	57185	50.570	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.140%			
50) Toluene-d8	7.888	98	178100	48.317	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 96.640%			
62) 4-Bromofluorobenzene	10.624	95	82629	51.249	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 102.500%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.380	85	388	0.477	ug/l #	43
3) Chloromethane	1.518	50	815	0.823	ug/l #	87
4) Vinyl Chloride	1.599	62	709	0.645	ug/l #	76
5) Bromomethane	1.850	94	980	1.273	ug/l	99
6) Chloroethane	1.924	64	933	1.172	ug/l #	85
7) Trichlorofluoromethane	2.126	101	989	0.558	ug/l	97
8) Diethyl Ether	2.367	74	300	0.406	ug/l	56
9) 1,1,2-Trichlorotrifluo...	2.560	101	515	0.491	ug/l #	50
10) Methyl Iodide	2.705	142	791	0.722	ug/l	93
11) Tert butyl alcohol	3.194	59	2066m	4.722	ug/l	
12) 1,1-Dichloroethene	2.567	96	629	0.645	ug/l #	92
13) Acrolein	2.489	56	243m	3.935	ug/l	
14) Allyl chloride	2.904	41	1478m	0.636	ug/l	
15) Acrylonitrile	3.309	53	3130m	3.340	ug/l	
16) Acetone	2.621	43	3927	3.588	ug/l #	87
17) Carbon Disulfide	2.776	76	2334	1.001	ug/l #	93
18) Methyl Acetate	2.946	43	1825	0.648	ug/l	96
19) Methyl tert-butyl Ether	3.358	73	2240	0.532	ug/l #	89
20) Methylene Chloride	3.030	84	1287	0.806	ug/l #	90
21) trans-1,2-Dichloroethene	3.332	96	851	0.812	ug/l	84
22) Diisopropyl ether	3.991	45	1976	0.500	ug/l #	52
23) Vinyl Acetate	3.965	43	8586m	2.798	ug/l	
24) 1,1-Dichloroethane	3.856	63	1071m	0.477	ug/l	
25) 2-Butanone	4.763	43	5325m	4.333	ug/l	
26) 2,2-Dichloropropane	4.640	77	946	0.484	ug/l #	74
27) cis-1,2-Dichloroethene	4.650	96	709	0.512	ug/l	88
28) Bromochloromethane	4.965	49	354	0.336	ug/l #	69
29) Tetrahydrofuran	5.071	42	2116	2.730	ug/l #	76
30) Chloroform	5.074	83	1407	0.594	ug/l #	76
31) Cyclohexane	5.354	56	3721	2.062	ug/l #	52
32) 1,1,1-Trichloroethane	5.300	97	990	0.491	ug/l #	38
36) 1,1-Dichloropropene	5.521	75	1109m	0.722	ug/l	
37) Ethyl Acetate	4.865	43	2587m	1.040	ug/l	
38) Carbon Tetrachloride	5.502	117	1030m	0.608	ug/l	
39) Methylcyclohexane	6.753	83	1054	0.568	ug/l	95
40) Benzene	5.772	78	2402	0.501	ug/l #	90

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	5.010	41	513m	0.437	ug/l	
42) 1,2-Dichloroethane	5.792	62	1057m	0.586	ug/l	
43) Isopropyl Acetate	5.943	43	2237m	0.677	ug/l	
44) Trichloroethene	6.531	130	561	0.437	ug/l	89
45) 1,2-Dichloropropane	6.779	63	425	0.319	ug/l #	43
46) Dibromomethane	6.910	93	446	0.470	ug/l #	73
47) Bromodichloromethane	7.100	83	690	0.350	ug/l #	83
48) Methyl methacrylate	6.981	41	1691m	1.107	ug/l	
49) 1,4-Dioxane	6.988	88	303m	9.039	ug/l	
51) 4-Methyl-2-Pentanone	7.795	43	6693	2.798	ug/l	89
52) Toluene	7.968	92	1379	0.439	ug/l	82
53) t-1,3-Dichloropropene	8.209	75	743	0.430	ug/l	91
54) cis-1,3-Dichloropropene	7.598	75	676	0.350	ug/l #	88
55) 1,1,2-Trichloroethane	8.396	97	608	0.456	ug/l #	74
56) Ethyl methacrylate	8.335	69	996m	0.463	ug/l	
57) 1,3-Dichloropropane	8.573	76	903	0.411	ug/l #	76
59) 2-Hexanone	8.695	43	5216	2.883	ug/l	99
60) Dibromochloromethane	8.798	129	606	0.406	ug/l	95
61) 1,2-Dibromoethane	8.910	107	665	0.508	ug/l #	79
64) Tetrachloroethene	8.541	164	623	0.482	ug/l #	66
65) Chlorobenzene	9.444	112	2003	0.554	ug/l	96
66) 1,1,1,2-Tetrachloroethane	9.521	131	434	0.350	ug/l #	61
67) Ethyl Benzene	9.569	91	3359	0.541	ug/l #	85
68) m/p-Xylenes	9.688	106	2277	0.960	ug/l	90
69) o-Xylene	10.094	106	1115	0.462	ug/l	93
70) Styrene	10.119	104	1619	0.422	ug/l	96
71) Bromoform	10.283	173	391	0.362	ug/l #	65
73) Isopropylbenzene	10.479	105	2998	0.501	ug/l	91
74) N-amyl acetate	10.325	43	1955m	0.729	ug/l	
75) 1,1,2,2-Tetrachloroethane	10.778	83	1130	0.514	ug/l #	82
76) 1,2,3-Trichloropropane	10.814	75	1214m	0.521	ug/l	
77) Bromobenzene	10.778	156	806	0.550	ug/l	85
78) n-propylbenzene	10.904	91	4044	0.583	ug/l	98
79) 2-Chlorotoluene	10.981	91	2409	0.554	ug/l	91
80) 1,3,5-Trimethylbenzene	11.084	105	2577	0.493	ug/l	82
81) trans-1,4-Dichloro-2-b...	10.550	75	255m	0.546	ug/l	
82) 4-Chlorotoluene	11.097	91	2818	0.571	ug/l	77
83) tert-Butylbenzene	11.412	119	2593	0.517	ug/l	99
84) 1,2,4-Trimethylbenzene	11.467	105	2310	0.450	ug/l	96
85) sec-Butylbenzene	11.637	105	3322	0.502	ug/l	99
86) p-Isopropyltoluene	11.791	119	2728	0.508	ug/l	82
87) 1,3-Dichlorobenzene	11.740	146	1738	0.615	ug/l	92
88) 1,4-Dichlorobenzene	11.827	146	1977m	0.687	ug/l	
89) n-Butylbenzene	12.206	91	3862	0.777	ug/l	88
90) Hexachloroethane	12.466	117	251m	0.280	ug/l	
91) 1,2-Dichlorobenzene	12.219	146	1665	0.605	ug/l	95
92) 1,2-Dibromo-3-Chloropr...	12.997	75	233	0.447	ug/l #	68
93) 1,2,4-Trichlorobenzene	13.849	180	1352	0.767	ug/l	85
94) Hexachlorobutadiene	14.010	225	367	0.487	ug/l	74
95) Naphthalene	14.097	128	7909	1.369	ug/l #	86
96) 1,2,3-Trichlorobenzene	14.331	180	1559	0.900	ug/l	89

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

