

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092625\
 Data File : VU063646.D
 Acq On : 25 Sep 2025 17:07
 Operator : MD/SY
 Sample : VSTDIC001
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 09/29/2025
 Supervised By :Semsettin Yesilyurt 09/29/2025

Quant Time: Sep 26 06:47:39 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U092625W.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 26 06:47:37 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.361	168	125707	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.238	114	231505	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.409	117	213713	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.804	152	96712	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	0.000	65	0d	0.000	ug/l	
Spiked Amount	50.000	Range	78 - 117	Recovery	=	0.000%#
35) Dibromofluoromethane	0.000	113	0d	0.000	ug/l	
Spiked Amount	50.000	Range	75 - 124	Recovery	=	0.000%#
50) Toluene-d8	0.000	98	0d	0.000	ug/l	
Spiked Amount	50.000	Range	92 - 112	Recovery	=	0.000%#
62) 4-Bromofluorobenzene	0.000	95	0d	0.000	ug/l	
Spiked Amount	50.000	Range	83 - 123	Recovery	=	0.000%#
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.380	85	1139	0.973	ug/l	89
3) Chloromethane	1.515	50	1918	1.250	ug/l #	88
4) Vinyl Chloride	1.595	62	1855	1.061	ug/l #	86
6) Chloroethane	1.917	64	1344	1.133	ug/l #	76
7) Trichlorofluoromethane	2.126	101	2893	1.126	ug/l	97
8) Diethyl Ether	2.370	74	1160	1.152	ug/l	91
9) 1,1,2-Trichlorotrifluo...	2.566	101	1556	1.111	ug/l	93
12) 1,1-Dichloroethene	2.566	96	1601	1.156	ug/l #	80
14) Allyl chloride	2.910	41	2009	0.979	ug/l #	39
15) Acrylonitrile	3.322	53	4747m	4.845	ug/l	
16) Acetone	2.615	43	8722	7.719	ug/l	97
17) Carbon Disulfide	2.779	76	2721	0.961	ug/l	99
18) Methyl Acetate	2.946	43	2297	1.000	ug/l #	82
19) Methyl tert-butyl Ether	3.354	73	4553	1.066	ug/l	97
20) Methylene Chloride	3.029	84	2736	1.529	ug/l	92
21) trans-1,2-Dichloroethene	3.351	96	1377	1.012	ug/l #	79
22) Diisopropyl ether	3.991	45	4385	1.038	ug/l #	1
23) Vinyl Acetate	3.988	43	10826	3.514	ug/l #	91
24) 1,1-Dichloroethane	3.865	63	2654m	1.001	ug/l	
25) 2-Butanone	4.753	43	4983m	4.022	ug/l	
26) 2,2-Dichloropropane	4.647	77	1621	0.956	ug/l	95
27) cis-1,2-Dichloroethene	4.669	96	1843	1.087	ug/l	88
28) Bromochloromethane	4.965	49	887m	0.773	ug/l	
29) Tetrahydrofuran	5.055	42	4048	4.758	ug/l #	79
30) Chloroform	5.074	83	3005	1.061	ug/l	95
32) 1,1,1-Trichloroethane	5.306	97	2341	1.055	ug/l #	39
36) 1,1-Dichloropropene	5.528	75	1934	0.984	ug/l #	76
37) Ethyl Acetate	4.836	43	3092m	1.150	ug/l	
38) Carbon Tetrachloride	5.502	117	1895	1.021	ug/l #	86
39) Methylcyclohexane	6.753	83	2373	0.960	ug/l	87
40) Benzene	5.769	78	6272	0.983	ug/l	98
41) Methacrylonitrile	5.026	41	857m	0.738	ug/l	
42) 1,2-Dichloroethane	5.791	62	2424	1.039	ug/l #	77
43) Isopropyl Acetate	5.926	43	2952m	0.885	ug/l	
44) Trichloroethene	6.534	130	1651	0.997	ug/l	87
45) 1,2-Dichloropropane	6.788	63	1579	0.984	ug/l #	84

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) Dibromomethane	6.910	93	1243	0.999	ug/l #	89
47) Bromodichloromethane	7.094	83	1842	0.903	ug/l #	91
48) Methyl methacrylate	6.978	41	2213m	1.241	ug/l	
49) 1,4-Dioxane	6.984	88	715	15.225	ug/l #	64
51) 4-Methyl-2-Pentanone	7.788	43	11748	4.461	ug/l	98
52) Toluene	7.965	92	3325	0.858	ug/l	83
53) t-1,3-Dichloropropene	8.216	75	1407	0.865	ug/l #	84
54) cis-1,3-Dichloropropene	7.602	75	1506	0.781	ug/l #	89
55) 1,1,2-Trichloroethane	8.396	97	1563	0.980	ug/l	96
56) Ethyl methacrylate	8.338	69	1407	1.315	ug/l #	77
57) 1,3-Dichloropropane	8.566	76	2645	0.982	ug/l	100
59) 2-Hexanone	8.692	43	8248	4.270	ug/l	89
60) Dibromochloromethane	8.798	129	1167	0.803	ug/l	87
61) 1,2-Dibromoethane	8.917	107	1352	0.843	ug/l	95
64) Tetrachloroethene	8.544	164	1641	1.040	ug/l #	81
65) Chlorobenzene	9.441	112	4344	0.989	ug/l	89
66) 1,1,1,2-Tetrachloroethane	9.524	131	1047	0.827	ug/l #	62
67) Ethyl Benzene	9.563	91	7378	1.001	ug/l	94
68) m/p-Xylenes	9.695	106	4949	1.799	ug/l	99
69) o-Xylene	10.097	106	2273	0.853	ug/l	77
70) Styrene	10.119	104	3609	0.835	ug/l #	79
71) Bromoform	10.293	173	705	5.071	ug/l #	67
73) Isopropylbenzene	10.479	105	6217	1.012	ug/l	95
74) N-amyl acetate	10.338	43	1671m	0.783	ug/l	
75) 1,1,2,2-Tetrachloroethane	10.772	83	2402	1.059	ug/l	92
76) 1,2,3-Trichloropropane	10.817	75	2581	1.103	ug/l #	100
77) Bromobenzene	10.788	156	1691	1.081	ug/l	97
78) n-propylbenzene	10.901	91	7482	1.031	ug/l	89
79) 2-Chlorotoluene	10.987	91	5230	1.132	ug/l	88
80) 1,3,5-Trimethylbenzene	11.084	105	4917	0.948	ug/l	94
82) 4-Chlorotoluene	11.097	91	4928	0.971	ug/l	99
83) tert-Butylbenzene	11.412	119	4916	0.985	ug/l	99
84) 1,2,4-Trimethylbenzene	11.466	105	4991	0.977	ug/l	100
85) sec-Butylbenzene	11.637	105	6393	0.981	ug/l	97
86) p-Isopropyltoluene	11.785	119	5030	0.939	ug/l	96
87) 1,3-Dichlorobenzene	11.746	146	3017	1.035	ug/l	93
88) 1,4-Dichlorobenzene	11.833	146	3562m	1.165	ug/l	
89) n-Butylbenzene	12.209	91	3961	0.830	ug/l	94
90) Hexachloroethane	12.463	117	354	3.750	ug/l #	44
91) 1,2-Dichlorobenzene	12.212	146	2961	1.040	ug/l	92
92) 1,2-Dibromo-3-Chloropr...	13.000	75	299	0.711	ug/l #	63
93) 1,2,4-Trichlorobenzene	13.849	180	1147	0.703	ug/l	98
94) Hexachlorobutadiene	14.016	225	828	1.008	ug/l	94
95) Naphthalene	14.116	128	3432	1.478	ug/l #	80
96) 1,2,3-Trichlorobenzene	14.344	180	1323	0.809	ug/l	93

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

