

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU070825\
 Data File : VU063461.D
 Acq On : 08 Jul 2025 12:27
 Operator : MD/SY
 Sample : VSTDICC005
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICC005

Quant Time: Jul 09 03:22:15 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U070825W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 09 03:15:26 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/09/2025
 Supervised By :Semsettin Yesilyurt 07/09/2025

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

Internal Standards						
1) Pentafluorobenzene	5.361	168	141159	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.239	114	251950	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.409	117	228166	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.804	152	119153	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.698	65	10790	5.991	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	11.980%#		
35) Dibromofluoromethane	5.280	113	8778	5.780	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	11.560%#		
50) Toluene-d8	7.891	98	29326	5.924	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	11.840%#		
62) 4-Bromofluorobenzene	10.627	95	12305	5.683	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	11.360%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.380	85	5896	5.252	ug/l	95
3) Chloromethane	1.518	50	8016	6.203	ug/l	98
4) Vinyl Chloride	1.599	62	8289	5.467	ug/l	99
5) Bromomethane	1.843	94	6858	6.456	ug/l	94
6) Chloroethane	1.920	64	5886	3.575	ug/l	100
7) Trichlorofluoromethane	2.129	101	13521	5.528	ug/l	94
8) Diethyl Ether	2.371	74	5449	5.345	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.567	101	7248	5.010	ug/l	92
10) Methyl Iodide	2.708	142	7627	5.047	ug/l	91
11) Tert butyl alcohol	3.190	59	15136	25.066	ug/l	100
12) 1,1-Dichloroethene	2.570	96	7608	5.590	ug/l	99
13) Acrolein	2.477	56	2516	29.519	ug/l	98
14) Allyl chloride	2.907	41	17564	5.344	ug/l	93
15) Acrylonitrile	3.306	53	31135	24.071	ug/l	96
16) Acetone	2.621	43	45680	30.236	ug/l	98
17) Carbon Disulfide	2.779	76	20182	6.816	ug/l	100
18) Methyl Acetate	2.940	43	15035	3.800	ug/l	97
19) Methyl tert-butyl Ether	3.358	73	29871	5.143	ug/l	99
20) Methylene Chloride	3.030	84	14725	6.088	ug/l	98
21) trans-1,2-Dichloroethene	3.335	96	7828	5.492	ug/l	96
22) Diisopropyl ether	3.988	45	27055	4.957	ug/l #	72
23) Vinyl Acetate	3.952	43	104062	24.570	ug/l	98
24) 1,1-Dichloroethane	3.850	63	16484	5.321	ug/l	97
25) 2-Butanone	4.714	43	42431	25.018	ug/l	99
26) 2,2-Dichloropropane	4.647	77	14324	5.206	ug/l	96
27) cis-1,2-Dichloroethene	4.660	96	9693	5.075	ug/l	99
28) Bromochloromethane	4.965	49	7824	5.377	ug/l	98
29) Tetrahydrofuran	5.059	42	25549	22.734	ug/l	98
30) Chloroform	5.078	83	16670	5.097	ug/l	98
31) Cyclohexane	5.367	56	16494	6.614	ug/l #	80
32) 1,1,1-Trichloroethane	5.300	97	14756	5.299	ug/l	89
36) 1,1-Dichloropropene	5.515	75	10318	5.000	ug/l #	91
37) Ethyl Acetate	4.821	43	15617	4.580	ug/l #	91
38) Carbon Tetrachloride	5.512	117	11551	5.080	ug/l	98
39) Methylcyclohexane	6.750	83	13848	5.554	ug/l	97
40) Benzene	5.766	78	34939	5.421	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.985	41	6215	4.063	ug/l	96
42) 1,2-Dichloroethane	5.788	62	12403	5.118	ug/l	98
43) Isopropyl Acetate	5.917	43	19542	4.402	ug/l	99
44) Trichloroethene	6.538	130	9289	5.386	ug/l	91
45) 1,2-Dichloropropane	6.782	63	9280	5.180	ug/l #	87
46) Dibromomethane	6.911	93	6398	5.019	ug/l	97
47) Bromodichloromethane	7.097	83	13121	4.950	ug/l	91
48) Methyl methacrylate	6.962	41	9208	4.488	ug/l	98
49) 1,4-Dioxane	6.968	88	4297m	95.443	ug/l	
51) 4-Methyl-2-Pentanone	7.785	43	71958	22.396	ug/l	99
52) Toluene	7.962	92	21028	4.988	ug/l	94
53) t-1,3-Dichloropropene	8.206	75	10775	4.646	ug/l	95
54) cis-1,3-Dichloropropene	7.602	75	11678	4.498	ug/l	93
55) 1,1,2-Trichloroethane	8.393	97	9000	5.027	ug/l	91
56) Ethyl methacrylate	8.332	69	12379	4.287	ug/l	98
57) 1,3-Dichloropropane	8.570	76	14411	4.884	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.473	63	554m	18.475	ug/l	
59) 2-Hexanone	8.679	43	53912	22.185	ug/l	99
60) Dibromochloromethane	8.801	129	9456	4.715	ug/l	97
61) 1,2-Dibromoethane	8.917	107	8648	4.922	ug/l	100
64) Tetrachloroethene	8.544	164	9403	5.536	ug/l	94
65) Chlorobenzene	9.441	112	24448	5.150	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.525	131	7775	4.776	ug/l	91
67) Ethyl Benzene	9.563	91	41802	5.124	ug/l	99
68) m/p-Xylenes	9.685	106	31848	10.228	ug/l	99
69) o-Xylene	10.094	106	16202	5.118	ug/l	93
70) Styrene	10.113	104	24270	4.822	ug/l	97
71) Bromoform	10.283	173	6399	4.510	ug/l #	100
73) Isopropylbenzene	10.476	105	42638	5.259	ug/l	100
74) N-amyl acetate	10.319	43	16164	4.446	ug/l	97
75) 1,1,2,2-Tetrachloroethane	10.775	83	14034	4.703	ug/l	99
76) 1,2,3-Trichloropropane	10.817	75	15415	4.882	ug/l #	81
77) Bromobenzene	10.779	156	9750	4.906	ug/l	91
78) n-propylbenzene	10.901	91	46768	4.974	ug/l	98
79) 2-Chlorotoluene	10.978	91	29556	5.012	ug/l	96
80) 1,3,5-Trimethylbenzene	11.081	105	36296	5.118	ug/l	98
81) trans-1,4-Dichloro-2-b...	10.544	75	3295	5.205	ug/l	95
82) 4-Chlorotoluene	11.090	91	34325	5.127	ug/l	96
83) tert-Butylbenzene	11.412	119	33756	4.964	ug/l	93
84) 1,2,4-Trimethylbenzene	11.463	105	33777	4.851	ug/l	99
85) sec-Butylbenzene	11.634	105	44107	4.915	ug/l	99
86) p-Isopropyltoluene	11.788	119	35817	4.920	ug/l	99
87) 1,3-Dichlorobenzene	11.740	146	19245	5.025	ug/l	100
88) 1,4-Dichlorobenzene	11.830	146	19898	5.102	ug/l	91
89) n-Butylbenzene	12.203	91	31431	4.665	ug/l	99
90) Hexachloroethane	12.467	117	5785	4.751	ug/l	93
91) 1,2-Dichlorobenzene	12.209	146	18250	4.887	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	12.987	75	3265	4.619	ug/l	97
93) 1,2,4-Trichlorobenzene	13.840	180	11162	4.667	ug/l	94
94) Hexachlorobutadiene	14.013	225	5013	4.904	ug/l	94
95) Naphthalene	14.087	128	33263	4.247	ug/l	100
96) 1,2,3-Trichlorobenzene	14.328	180	10183	4.333	ug/l	98

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

