

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\U092625\
 Data File : VU063649.D
 Acq On : 25 Sep 2025 18:20
 Operator : MD/SY
 Sample : VSTDICCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC050

Quant Time: Sep 26 06:40:27 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U092625W.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 26 06:28:53 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.357	168	142136	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.235	114	249117	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.409	117	234169	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.804	152	129332	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.689	65	80881	55.238	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 110.480%	
35) Dibromofluoromethane	5.274	113	68736	50.950	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 101.900%	
50) Toluene-d8	7.888	98	213117	48.812	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 97.620%	
62) 4-Bromofluorobenzene	10.624	95	99097	50.613	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 101.220%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.377	85	68711	51.928	ug/l	100
3) Chloromethane	1.515	50	85352	49.192	ug/l	100
4) Vinyl Chloride	1.596	62	100674	50.946	ug/l	100
5) Bromomethane	1.824	94	67717	46.851	ug/l	100
6) Chloroethane	1.911	64	67451	50.268	ug/l	100
7) Trichlorofluoromethane	2.120	101	145335	50.029	ug/l	100
8) Diethyl Ether	2.367	74	55633	48.861	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.563	101	76440	48.270	ug/l	100
10) Methyl Iodide	2.705	142	111501	56.797	ug/l	100
11) Tert butyl alcohol	3.178	59	112189	256.757	ug/l	100
12) 1,1-Dichloroethene	2.560	96	73521	46.959	ug/l	100
13) Acrolein	2.473	56	18528	258.673	ug/l	100
14) Allyl chloride	2.907	41	120024	51.728	ug/l	100
15) Acrylonitrile	3.296	53	291863	263.484	ug/l	100
16) Acetone	2.615	43	260506	263.112	ug/l	100
17) Carbon Disulfide	2.776	76	168530	52.659	ug/l	100
18) Methyl Acetate	2.936	43	136836	52.705	ug/l	100
19) Methyl tert-butyl Ether	3.351	73	249246	51.591	ug/l	100
20) Methylene Chloride	3.026	84	88793	52.462	ug/l	100
21) trans-1,2-Dichloroethene	3.335	96	79869	51.895	ug/l	100
22) Diisopropyl ether	3.978	45	243449	50.987	ug/l	100
23) Vinyl Acetate	3.940	43	967391	277.677	ug/l	100
24) 1,1-Dichloroethane	3.849	63	153365	51.170	ug/l	100
25) 2-Butanone	4.689	43	378940	270.500	ug/l	100
26) 2,2-Dichloropropane	4.647	77	99144	51.734	ug/l	100
27) cis-1,2-Dichloroethene	4.650	96	95611	49.870	ug/l	100
28) Bromochloromethane	4.952	49	76115	58.649	ug/l	100
29) Tetrahydrofuran	5.036	42	256412	266.534	ug/l	100
30) Chloroform	5.071	83	166166	51.892	ug/l	100
31) Cyclohexane	5.370	56	134196	49.384	ug/l	100
32) 1,1,1-Trichloroethane	5.300	97	131012	52.231	ug/l	100
36) 1,1-Dichloropropene	5.512	75	109877	51.928	ug/l	100
37) Ethyl Acetate	4.792	43	149232	51.598	ug/l	100
38) Carbon Tetrachloride	5.509	117	100887	50.532	ug/l	100
39) Methylcyclohexane	6.750	83	136367	51.256	ug/l	100
40) Benzene	5.759	78	351865	51.234	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.959	41	70438	56.368	ug/l	100
42) 1,2-Dichloroethane	5.779	62	127513	50.808	ug/l	100
43) Isopropyl Acetate	5.898	43	180232	50.233	ug/l	100
44) Trichloroethene	6.531	130	91863	51.549	ug/l	100
45) 1,2-Dichloropropane	6.775	63	84943	49.215	ug/l	100
46) Dibromomethane	6.904	93	67988	50.766	ug/l	100
47) Bromodichloromethane	7.091	83	116743	53.195	ug/l	100
48) Methyl methacrylate	6.949	41	93596	48.781	ug/l	100
49) 1,4-Dioxane	6.949	88	56874	1125.403	ug/l	100
51) 4-Methyl-2-Pentanone	7.779	43	744209	262.590	ug/l	100
52) Toluene	7.959	92	222199	53.266	ug/l	100
53) t-1,3-Dichloropropene	8.200	75	90738	51.846	ug/l	100
54) cis-1,3-Dichloropropene	7.595	75	113306	54.578	ug/l	100
55) 1,1,2-Trichloroethane	8.386	97	86882	50.607	ug/l	100
56) Ethyl methacrylate	8.322	69	129079	50.421	ug/l	100
57) 1,3-Dichloropropane	8.563	76	147035	50.725	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.457	63	16997	252.329	ug/l	100
59) 2-Hexanone	8.672	43	550655	264.933	ug/l	100
60) Dibromochloromethane	8.798	129	83010	53.068	ug/l	100
61) 1,2-Dibromoethane	8.914	107	91450	52.971	ug/l	100
64) Tetrachloroethene	8.544	164	92838	53.720	ug/l	100
65) Chlorobenzene	9.438	112	249465	51.854	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.525	131	74189	53.450	ug/l	100
67) Ethyl Benzene	9.560	91	421297	52.160	ug/l	100
68) m/p-Xylenes	9.685	106	328031	108.803	ug/l	100
69) o-Xylene	10.090	106	157377	53.912	ug/l	100
70) Styrene	10.103	104	260944	55.114	ug/l	100
71) Bromoform	10.280	173	55442	45.681	ug/l #	100
73) Isopropylbenzene	10.473	105	411699	50.119	ug/l	100
74) N-amyl acetate	10.312	43	150700	52.787	ug/l	100
75) 1,1,2,2-Tetrachloroethane	10.772	83	151462	49.923	ug/l	100
76) 1,2,3-Trichloropropane	10.811	75	150526	48.085	ug/l #	100
77) Bromobenzene	10.772	156	102286	48.877	ug/l	100
78) n-propylbenzene	10.897	91	492284	50.732	ug/l	100
79) 2-Chlorotoluene	10.975	91	302949	49.050	ug/l	100
80) 1,3,5-Trimethylbenzene	11.078	105	360827	52.013	ug/l	100
81) trans-1,4-Dichloro-2-b...	10.537	75	25421	51.435	ug/l	100
82) 4-Chlorotoluene	11.087	91	351940	51.878	ug/l	100
83) tert-Butylbenzene	11.409	119	337766	50.618	ug/l	100
84) 1,2,4-Trimethylbenzene	11.457	105	352789	51.651	ug/l	100
85) sec-Butylbenzene	11.634	105	447211	51.337	ug/l	100
86) p-Isopropyltoluene	11.785	119	370723	51.776	ug/l	100
87) 1,3-Dichlorobenzene	11.737	146	196336	50.381	ug/l	100
88) 1,4-Dichlorobenzene	11.827	146	199276	48.734	ug/l	100
89) n-Butylbenzene	12.200	91	332791	52.149	ug/l	100
90) Hexachloroethane	12.463	117	47407	47.884	ug/l	100
91) 1,2-Dichlorobenzene	12.203	146	192694	50.601	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.987	75	31193	55.455	ug/l	100
93) 1,2,4-Trichlorobenzene	13.833	180	118384	54.278	ug/l	100
94) Hexachlorobutadiene	14.013	225	54885	49.966	ug/l	100
95) Naphthalene	14.081	128	349091	52.130	ug/l	100
96) 1,2,3-Trichlorobenzene	14.322	180	114693	52.443	ug/l	100

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

