

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU071125\
 Data File : VU063483.D
 Acq On : 11 Jul 2025 08:22
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Quant Time: Jul 12 03:43:22 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	116760	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.238	114	205232	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.409	117	183192	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.804	152	98927	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.692	65	73540	49.365	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	98.720%
35) Dibromofluoromethane	5.277	113	61606	49.799	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	99.600%
50) Toluene-d8	7.888	98	192150	47.650	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	95.300%
62) 4-Bromofluorobenzene	10.624	95	85257	48.335	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	96.680%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.380	85	43046	46.355	ug/l	99
3) Chloromethane	1.515	50	47404	41.911	ug/l	100
4) Vinyl Chloride	1.599	62	58863	46.934	ug/l	96
5) Bromomethane	1.840	94	42139	47.957	ug/l	97
6) Chloroethane	1.923	64	40280	44.327	ug/l	99
7) Trichlorofluoromethane	2.129	101	97682	48.279	ug/l	99
8) Diethyl Ether	2.370	74	39776	47.173	ug/l	95
9) 1,1,2-Trichlorotrifluo...	2.570	101	59268	49.526	ug/l	99
10) Methyl Iodide	2.711	142	62952	50.362	ug/l	98
11) Tert butyl alcohol	3.184	59	133884	268.046	ug/l	99
12) 1,1-Dichloroethene	2.570	96	52692	47.301	ug/l	97
13) Acrolein	2.480	56	17396	246.747	ug/l	93
14) Allyl chloride	2.910	41	125391	47.288	ug/l	97
15) Acrylonitrile	3.303	53	287459	268.681	ug/l	98
16) Acetone	2.618	43	347221	277.852	ug/l	98
17) Carbon Disulfide	2.779	76	105229	39.516	ug/l	100
18) Methyl Acetate	2.939	43	172294	53.574	ug/l	100
19) Methyl tert-butyl Ether	3.357	73	237724	49.482	ug/l	98
20) Methylene Chloride	3.029	84	67323	36.948	ug/l	98
21) trans-1,2-Dichloroethene	3.335	96	54527	45.560	ug/l	97
22) Diisopropyl ether	3.988	45	217418	48.155	ug/l	99
23) Vinyl Acetate	3.946	43	917850	261.995	ug/l	99
24) 1,1-Dichloroethane	3.849	63	127374	49.709	ug/l	99
25) 2-Butanone	4.698	43	398728	284.224	ug/l	100
26) 2,2-Dichloropropane	4.647	77	113487	50.907	ug/l	97
27) cis-1,2-Dichloroethene	4.650	96	77821	49.262	ug/l	98
28) Bromochloromethane	4.959	49	72025	59.838	ug/l	98
29) Tetrahydrofuran	5.045	42	235619	266.252	ug/l	99
30) Chloroform	5.074	83	138123	51.056	ug/l	99
31) Cyclohexane	5.370	56	92538	44.924	ug/l	98
32) 1,1,1-Trichloroethane	5.299	97	115598	50.184	ug/l	100
36) 1,1-Dichloropropene	5.512	75	80313	47.778	ug/l	99
37) Ethyl Acetate	4.801	43	125102	45.954	ug/l	99
38) Carbon Tetrachloride	5.508	117	90578	48.905	ug/l	96
39) Methylcyclohexane	6.750	83	90485	44.550	ug/l	96
40) Benzene	5.759	78	257526	49.056	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.965	41	68331	53.195	ug/l	98
42) 1,2-Dichloroethane	5.782	62	104442	52.910	ug/l	99
43) Isopropyl Acetate	5.907	43	188985	52.264	ug/l	99
44) Trichloroethene	6.531	130	69152	49.223	ug/l	96
45) 1,2-Dichloropropane	6.779	63	74076	50.759	ug/l	98
46) Dibromomethane	6.907	93	54594	52.578	ug/l	97
47) Bromodichloromethane	7.094	83	109119	50.540	ug/l	96
48) Methyl methacrylate	6.955	41	87487	52.348	ug/l	98
49) 1,4-Dioxane	6.959	88	42587	1161.243	ug/l	99
51) 4-Methyl-2-Pentanone	7.782	43	690883	263.979	ug/l	99
52) Toluene	7.959	92	168861	49.177	ug/l	95
53) t-1,3-Dichloropropene	8.200	75	98779	52.282	ug/l	100
54) cis-1,3-Dichloropropene	7.598	75	112829	53.347	ug/l	99
55) 1,1,2-Trichloroethane	8.389	97	74138	50.841	ug/l	95
56) Ethyl methacrylate	8.325	69	116882	49.688	ug/l	98
57) 1,3-Dichloropropane	8.566	76	121334	50.478	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.463	63	6536	267.580	ug/l #	86
59) 2-Hexanone	8.676	43	520104	262.740	ug/l	99
60) Dibromochloromethane	8.798	129	84803	51.913	ug/l	100
61) 1,2-Dibromoethane	8.913	107	71965	50.282	ug/l	99
64) Tetrachloroethene	8.544	164	68005	49.867	ug/l	97
65) Chlorobenzene	9.438	112	199095	52.238	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.524	131	67551	51.680	ug/l	96
67) Ethyl Benzene	9.560	91	335607	51.234	ug/l	100
68) m/p-Xylenes	9.685	106	254888	101.957	ug/l	99
69) o-Xylene	10.090	106	129489	50.946	ug/l	98
70) Styrene	10.106	104	213507	52.831	ug/l	99
71) Bromoform	10.283	173	60422	53.035	ug/l #	99
73) Isopropylbenzene	10.476	105	344265	51.144	ug/l	99
74) N-amyl acetate	10.312	43	155610	51.549	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.772	83	130067	52.494	ug/l	99
76) 1,2,3-Trichloropropane	10.814	75	134962	51.485	ug/l #	81
77) Bromobenzene	10.775	156	82853	50.214	ug/l	96
78) n-propylbenzene	10.897	91	396456	50.786	ug/l	99
79) 2-Chlorotoluene	10.978	91	255611	52.209	ug/l	100
80) 1,3,5-Trimethylbenzene	11.077	105	294861	50.082	ug/l	99
81) trans-1,4-Dichloro-2-b...	10.537	75	27042	51.451	ug/l	95
82) 4-Chlorotoluene	11.087	91	288365	51.880	ug/l	100
83) tert-Butylbenzene	11.409	119	291180	51.571	ug/l	99
84) 1,2,4-Trimethylbenzene	11.460	105	294538	50.945	ug/l	99
85) sec-Butylbenzene	11.634	105	376432	50.525	ug/l	99
86) p-Isopropyltoluene	11.785	119	314414	52.018	ug/l	99
87) 1,3-Dichlorobenzene	11.736	146	160601	50.510	ug/l	99
88) 1,4-Dichlorobenzene	11.827	146	162198	50.035	ug/l	99
89) n-Butylbenzene	12.200	91	284094	50.783	ug/l	100
90) Hexachloroethane	12.466	117	53524	52.946	ug/l	100
91) 1,2-Dichlorobenzene	12.203	146	163363	52.689	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.987	75	33540	57.155	ug/l	98
93) 1,2,4-Trichlorobenzene	13.833	180	100379	50.554	ug/l	99
94) Hexachlorobutadiene	14.010	225	42869	50.507	ug/l	98
95) Naphthalene	14.077	128	314691	48.394	ug/l	99
96) 1,2,3-Trichlorobenzene	14.322	180	99731	51.109	ug/l	98

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

