

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU071025\
 Data File : VU063468.D
 Acq On : 10 Jul 2025 08:54
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Quant Time: Jul 11 04:44:20 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U070825W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 11 04:42:35 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.361	168	124357	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.238	114	221792	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.409	117	201447	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.801	152	104401	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.689	65	81305	51.243	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 102.480%	
35) Dibromofluoromethane	5.277	113	65018	48.633	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 97.260%	
50) Toluene-d8	7.888	98	208129	47.759	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 95.520%	
62) 4-Bromofluorobenzene	10.624	95	97202	50.993	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 101.980%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.380	85	48429	48.966	ug/l	100
3) Chloromethane	1.518	50	55006	45.661	ug/l	98
4) Vinyl Chloride	1.599	62	64583	48.349	ug/l	99
5) Bromomethane	1.840	94	47628	50.892	ug/l	98
6) Chloroethane	1.920	64	44586	46.068	ug/l	96
7) Trichlorofluoromethane	2.126	101	108151	50.188	ug/l	100
8) Diethyl Ether	2.370	74	44613	49.677	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.567	101	67151	52.686	ug/l	97
10) Methyl Iodide	2.708	142	69619	52.293	ug/l	97
11) Tert butyl alcohol	3.187	59	144255	271.166	ug/l	98
12) 1,1-Dichloroethene	2.567	96	58873	49.621	ug/l	93
13) Acrolein	2.477	56	19030	253.435	ug/l	92
14) Allyl chloride	2.907	41	137487	48.683	ug/l	97
15) Acrylonitrile	3.303	53	315555	276.924	ug/l	99
16) Acetone	2.618	43	394236	296.202	ug/l	99
17) Carbon Disulfide	2.779	76	119943	42.290	ug/l	99
18) Methyl Acetate	2.940	43	185990	54.300	ug/l	98
19) Methyl tert-butyl Ether	3.358	73	262545	51.310	ug/l	99
20) Methylene Chloride	3.030	84	77607	39.990	ug/l	98
21) trans-1,2-Dichloroethene	3.335	96	58950	46.247	ug/l	94
22) Diisopropyl ether	3.988	45	241700	50.263	ug/l	99
23) Vinyl Acetate	3.946	43	1007684	270.066	ug/l	99
24) 1,1-Dichloroethane	3.849	63	137258	50.294	ug/l	97
25) 2-Butanone	4.702	43	438737	293.638	ug/l	99
26) 2,2-Dichloropropane	4.647	77	123403	51.973	ug/l	98
27) cis-1,2-Dichloroethene	4.650	96	86297	51.290	ug/l	97
28) Bromochloromethane	4.959	49	66760	52.076	ug/l	100
29) Tetrahydrofuran	5.049	42	257304	272.994	ug/l	100
30) Chloroform	5.071	83	147217	51.094	ug/l	97
31) Cyclohexane	5.367	56	103922	47.368	ug/l	99
32) 1,1,1-Trichloroethane	5.300	97	129466	52.771	ug/l	98
36) 1,1-Dichloropropene	5.512	75	89252	49.132	ug/l	99
37) Ethyl Acetate	4.801	43	137153	46.619	ug/l	99
38) Carbon Tetrachloride	5.505	117	99067	49.495	ug/l	97
39) Methylcyclohexane	6.746	83	102027	46.482	ug/l	98
40) Benzene	5.759	78	282657	49.823	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.965	41	73081	52.645	ug/l	99
42) 1,2-Dichloroethane	5.782	62	111163	52.110	ug/l	99
43) Isopropyl Acetate	5.907	43	209928	53.721	ug/l	99
44) Trichloroethene	6.531	130	76841	50.613	ug/l	99
45) 1,2-Dichloropropane	6.779	63	80810	51.239	ug/l	98
46) Dibromomethane	6.907	93	59468	52.996	ug/l	99
47) Bromodichloromethane	7.094	83	120296	51.556	ug/l	99
48) Methyl methacrylate	6.955	41	94914	52.552	ug/l	100
49) 1,4-Dioxane	6.959	88	35031	883.889	ug/l	99
51) 4-Methyl-2-Pentanone	7.782	43	741298	262.094	ug/l	99
52) Toluene	7.959	92	181561	48.928	ug/l	98
53) t-1,3-Dichloropropene	8.200	75	107859	52.825	ug/l	98
54) cis-1,3-Dichloropropene	7.595	75	124084	54.288	ug/l	99
55) 1,1,2-Trichloroethane	8.390	97	80771	51.254	ug/l	96
56) Ethyl methacrylate	8.325	69	125105	49.213	ug/l	100
57) 1,3-Dichloropropane	8.566	76	131677	50.691	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.457	63	9022	341.778	ug/l	94
59) 2-Hexanone	8.676	43	559980	261.763	ug/l	99
60) Dibromochloromethane	8.798	129	94408	53.477	ug/l	98
61) 1,2-Dibromoethane	8.914	107	78457	50.725	ug/l	98
64) Tetrachloroethene	8.541	164	74799	49.878	ug/l	98
65) Chlorobenzene	9.438	112	214975	51.293	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.524	131	75292	52.383	ug/l	99
67) Ethyl Benzene	9.560	91	364515	50.605	ug/l	99
68) m/p-Xylenes	9.685	106	281629	102.445	ug/l	97
69) o-Xylene	10.090	106	139726	49.992	ug/l	99
70) Styrene	10.106	104	233861	52.623	ug/l	99
71) Bromoform	10.280	173	67807	54.124	ug/l #	100
73) Isopropylbenzene	10.473	105	368250	51.839	ug/l	99
74) N-amyl acetate	10.312	43	167066	52.442	ug/l	100
75) 1,1,2,2-Tetrachloroethane	10.772	83	140652	53.790	ug/l	100
76) 1,2,3-Trichloropropane	10.814	75	147808	53.429	ug/l #	81
77) Bromobenzene	10.772	156	92245	52.975	ug/l	98
78) n-propylbenzene	10.897	91	428148	51.970	ug/l	99
79) 2-Chlorotoluene	10.975	91	275667	53.353	ug/l	99
80) 1,3,5-Trimethylbenzene	11.078	105	324157	52.171	ug/l	100
81) trans-1,4-Dichloro-2-b...	10.534	75	28439	51.271	ug/l	98
82) 4-Chlorotoluene	11.087	91	312135	53.212	ug/l	99
83) tert-Butylbenzene	11.409	119	313377	52.592	ug/l	98
84) 1,2,4-Trimethylbenzene	11.457	105	317864	52.097	ug/l	99
85) sec-Butylbenzene	11.634	105	411508	52.337	ug/l	99
86) p-Isopropyltoluene	11.785	119	336890	52.814	ug/l	100
87) 1,3-Dichlorobenzene	11.737	146	174184	51.910	ug/l	99
88) 1,4-Dichlorobenzene	11.827	146	177731	51.952	ug/l	100
89) n-Butylbenzene	12.200	91	309418	52.410	ug/l	99
90) Hexachloroethane	12.463	117	57232	53.645	ug/l	99
91) 1,2-Dichlorobenzene	12.203	146	176283	53.875	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.984	75	36510	58.954	ug/l	97
93) 1,2,4-Trichlorobenzene	13.830	180	113478	54.154	ug/l	98
94) Hexachlorobutadiene	14.010	225	48266	53.884	ug/l	97
95) Naphthalene	14.077	128	352772	51.406	ug/l	99
96) 1,2,3-Trichlorobenzene	14.322	180	108913	52.888	ug/l	99

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

