

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU071025\
 Data File : VU063481.D
 Acq On : 10 Jul 2025 15:59
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Jul 11 04:56:01 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	111856	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.238	114	202570	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.409	117	188380	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.801	152	104728	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.689	65	74255	52.030	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 104.060%	
35) Dibromofluoromethane	5.274	113	60023	49.157	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 98.320%	
50) Toluene-d8	7.888	98	192324	48.320	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 96.640%	
62) 4-Bromofluorobenzene	10.624	95	86687	49.792	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 99.580%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.380	85	40834	45.901	ug/l	99
3) Chloromethane	1.518	50	46302	42.732	ug/l	99
4) Vinyl Chloride	1.599	62	59054	49.151	ug/l	95
5) Bromomethane	1.837	94	43496	51.671	ug/l	97
6) Chloroethane	1.920	64	39510	45.386	ug/l	100
7) Trichlorofluoromethane	2.126	101	97924	50.521	ug/l	100
8) Diethyl Ether	2.370	74	40261	49.841	ug/l	93
9) 1,1,2-Trichlorotrifluo...	2.567	101	56823	49.565	ug/l	98
10) Methyl Iodide	2.708	142	57351	47.893	ug/l	97
11) Tert butyl alcohol	3.190	59	150371	314.253	ug/l	100
12) 1,1-Dichloroethene	2.567	96	51169	47.948	ug/l	98
13) Acrolein	2.477	56	18304	271.009	ug/l	96
14) Allyl chloride	2.907	41	127863	50.335	ug/l	95
15) Acrylonitrile	3.303	53	307000	299.526	ug/l	98
16) Acetone	2.618	43	330824	276.337	ug/l	99
17) Carbon Disulfide	2.776	76	102917	40.342	ug/l	98
18) Methyl Acetate	2.940	43	184528	59.894	ug/l	99
19) Methyl tert-butyl Ether	3.358	73	239670	52.074	ug/l	100
20) Methylene Chloride	3.026	84	68422	39.197	ug/l	99
21) trans-1,2-Dichloroethene	3.332	96	55308	48.239	ug/l	96
22) Diisopropyl ether	3.988	45	224105	51.813	ug/l	99
23) Vinyl Acetate	3.943	43	909174	270.896	ug/l	99
24) 1,1-Dichloroethane	3.846	63	123985	50.508	ug/l	99
25) 2-Butanone	4.702	43	411054	305.856	ug/l	98
26) 2,2-Dichloropropane	4.644	77	107564	50.365	ug/l	96
27) cis-1,2-Dichloroethene	4.647	96	75051	49.592	ug/l	98
28) Bromochloromethane	4.956	49	60664	52.609	ug/l	98
29) Tetrahydrofuran	5.049	42	255596	301.489	ug/l	99
30) Chloroform	5.071	83	135902	52.438	ug/l	99
31) Cyclohexane	5.367	56	90153	45.685	ug/l	99
32) 1,1,1-Trichloroethane	5.296	97	115180	52.195	ug/l	98
36) 1,1-Dichloropropene	5.509	75	77426	46.666	ug/l	98
37) Ethyl Acetate	4.804	43	126790	47.186	ug/l	100
38) Carbon Tetrachloride	5.505	117	87600	47.918	ug/l	95
39) Methylcyclohexane	6.746	83	89279	44.534	ug/l	98
40) Benzene	5.759	78	251593	48.555	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.965	41	72349	57.063	ug/l	98
42) 1,2-Dichloroethane	5.782	62	102354	52.533	ug/l	98
43) Isopropyl Acetate	5.907	43	192941	54.059	ug/l	98
44) Trichloroethene	6.528	130	66540	47.987	ug/l	96
45) 1,2-Dichloropropane	6.779	63	72273	50.174	ug/l	99
46) Dibromomethane	6.904	93	53192	51.901	ug/l	97
47) Bromodichloromethane	7.094	83	106533	49.990	ug/l	99
48) Methyl methacrylate	6.952	41	89928	54.516	ug/l	98
49) 1,4-Dioxane	6.962	88	44301	1223.853	ug/l	98
51) 4-Methyl-2-Pentanone	7.782	43	719386	278.482	ug/l	98
52) Toluene	7.959	92	166218	49.044	ug/l	93
53) t-1,3-Dichloropropene	8.200	75	94754	50.811	ug/l	97
54) cis-1,3-Dichloropropene	7.595	75	108354	51.904	ug/l	95
55) 1,1,2-Trichloroethane	8.386	97	76514	53.160	ug/l	95
56) Ethyl methacrylate	8.325	69	113821	49.023	ug/l	98
57) 1,3-Dichloropropane	8.563	76	122770	51.747	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.457	63	8935	370.601	ug/l #	89
59) 2-Hexanone	8.676	43	531211	271.877	ug/l	100
60) Dibromochloromethane	8.798	129	83101	51.539	ug/l	100
61) 1,2-Dibromoethane	8.914	107	72086	51.028	ug/l	99
64) Tetrachloroethene	8.541	164	64234	45.804	ug/l	95
65) Chlorobenzene	9.438	112	197781	50.464	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.524	131	67556	50.261	ug/l	98
67) Ethyl Benzene	9.560	91	326410	48.458	ug/l	98
68) m/p-Xylenes	9.682	106	248862	96.805	ug/l	96
69) o-Xylene	10.090	106	128147	49.030	ug/l	99
70) Styrene	10.106	104	211333	50.853	ug/l	97
71) Bromoform	10.280	173	58086	49.580	ug/l #	98
73) Isopropylbenzene	10.473	105	333116	46.747	ug/l	100
74) N-amyl acetate	10.312	43	157247	49.206	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.772	83	131820	50.255	ug/l	99
76) 1,2,3-Trichloropropane	10.811	75	131535	47.398	ug/l #	81
77) Bromobenzene	10.772	156	82233	47.078	ug/l	98
78) n-propylbenzene	10.894	91	387912	46.939	ug/l	99
79) 2-Chlorotoluene	10.975	91	251149	48.456	ug/l	100
80) 1,3,5-Trimethylbenzene	11.077	105	293973	47.165	ug/l	99
81) trans-1,4-Dichloro-2-b...	10.534	75	23520	42.271	ug/l	88
82) 4-Chlorotoluene	11.087	91	284136	48.288	ug/l	99
83) tert-Butylbenzene	11.409	119	286740	47.972	ug/l	98
84) 1,2,4-Trimethylbenzene	11.457	105	294313	48.086	ug/l	99
85) sec-Butylbenzene	11.634	105	370658	46.994	ug/l	99
86) p-Isopropyltoluene	11.785	119	306193	47.852	ug/l	100
87) 1,3-Dichlorobenzene	11.737	146	158623	47.125	ug/l	100
88) 1,4-Dichlorobenzene	11.827	146	160507	46.771	ug/l	99
89) n-Butylbenzene	12.200	91	280375	47.342	ug/l	99
90) Hexachloroethane	12.466	117	49107	45.886	ug/l	98
91) 1,2-Dichlorobenzene	12.203	146	160718	48.965	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.984	75	35208	56.674	ug/l	96
93) 1,2,4-Trichlorobenzene	13.830	180	100007	47.576	ug/l	98
94) Hexachlorobutadiene	14.010	225	40423	44.987	ug/l	98
95) Naphthalene	14.077	128	333358	48.426	ug/l	100
96) 1,2,3-Trichlorobenzene	14.318	180	100013	48.415	ug/l	98

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

