

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111025\
 Data File : VU063691.D
 Acq On : 10 Nov 2025 12:02
 Operator : MD/SY
 Sample : VSTDICC020
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICC020

Quant Time: Nov 11 01:22:26 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U111025W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 11 01:18:58 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.341	168	211671	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.222	114	349613	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.393	117	327674	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.788	152	172876	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.673	65	64680	20.685	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	41.380%#
35) Dibromofluoromethane	5.258	113	49889	20.374	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	40.740%#
50) Toluene-d8	7.872	98	177545	20.182	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	40.360%#
62) 4-Bromofluorobenzene	10.611	95	72562	19.940	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	39.880%#

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.374	85	22975	17.973	ug/l	99
3) Chloromethane	1.509	50	25965	20.444	ug/l	97
4) Vinyl Chloride	1.589	62	28721	18.267	ug/l	97
5) Bromomethane	1.837	94	22074	20.677	ug/l	97
6) Chloroethane	1.914	64	22340	18.788	ug/l	96
7) Trichlorofluoromethane	2.116	101	56077	18.640	ug/l	97
8) Diethyl Ether	2.358	74	23522	18.391	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.557	101	36718	19.209	ug/l	99
10) Methyl Iodide	2.695	142	34645	18.365	ug/l	100
11) Tert butyl alcohol	3.155	59	67680	92.770	ug/l	98
12) 1,1-Dichloroethene	2.554	96	30410	18.476	ug/l	98
13) Acrolein	2.460	56	4367	79.175	ug/l #	73
14) Allyl chloride	2.898	41	60738	19.787	ug/l	98
15) Acrylonitrile	3.287	53	148051	99.091	ug/l	99
16) Acetone	2.602	43	173297	98.084	ug/l	99
17) Carbon Disulfide	2.769	76	42124	20.019	ug/l	100
18) Methyl Acetate	2.923	43	109276	20.845	ug/l	98
19) Methyl tert-butyl Ether	3.335	73	142536	19.193	ug/l	96
20) Methylene Chloride	3.017	84	41104	20.050	ug/l	98
21) trans-1,2-Dichloroethene	3.325	96	31565	18.680	ug/l	95
22) Diisopropyl ether	3.959	45	128219	18.965	ug/l #	82
23) Vinyl Acetate	3.927	43	419236	90.927	ug/l	98
24) 1,1-Dichloroethane	3.837	63	76474	19.613	ug/l	100
25) 2-Butanone	4.673	43	195357	90.739	ug/l	99
26) 2,2-Dichloropropane	4.628	77	63215	18.876	ug/l	99
27) cis-1,2-Dichloroethene	4.637	96	46929	19.009	ug/l	97
28) Bromochloromethane	4.939	49	35128	22.515	ug/l	96
29) Tetrahydrofuran	5.020	42	119555	95.433	ug/l	99
30) Chloroform	5.058	83	82964	19.421	ug/l	96
31) Cyclohexane	5.357	56	53290	20.387	ug/l	99
32) 1,1,1-Trichloroethane	5.287	97	68010	19.401	ug/l	99
36) 1,1-Dichloropropene	5.499	75	46588	18.693	ug/l	97
37) Ethyl Acetate	4.779	43	74920m	21.143	ug/l	
38) Carbon Tetrachloride	5.492	117	49022	18.199	ug/l	98
39) Methylcyclohexane	6.734	83	54028	19.094	ug/l	97
40) Benzene	5.746	78	155667	19.355	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.946	41	33893	18.479	ug/l	99
42) 1,2-Dichloroethane	5.766	62	62875	19.822	ug/l	100
43) Isopropyl Acetate	5.885	43	97471	18.844	ug/l	98
44) Trichloroethene	6.518	130	40877	18.116	ug/l	100
45) 1,2-Dichloropropane	6.763	63	41715	19.080	ug/l	97
46) Dibromomethane	6.891	93	31201	19.006	ug/l	97
47) Bromodichloromethane	7.078	83	63319	19.025	ug/l	95
48) Methyl methacrylate	6.936	41	46683	18.386	ug/l	98
49) 1,4-Dioxane	6.939	88	26596	395.381	ug/l	99
51) 4-Methyl-2-Pentanone	7.762	43	375160	94.780	ug/l	100
52) Toluene	7.946	92	100188	19.195	ug/l	99
53) t-1,3-Dichloropropene	8.187	75	50644	18.070	ug/l	97
54) cis-1,3-Dichloropropene	7.582	75	55926	17.804	ug/l	99
55) 1,1,2-Trichloroethane	8.373	97	45330	18.925	ug/l	98
56) Ethyl methacrylate	8.309	69	65100	18.420	ug/l	96
57) 1,3-Dichloropropane	8.550	76	74410	19.042	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.451	63	2615	61.534	ug/l #	91
59) 2-Hexanone	8.663	43	275634	93.494	ug/l	99
60) Dibromochloromethane	8.785	129	46594	18.573	ug/l	99
61) 1,2-Dibromoethane	8.897	107	44948	19.475	ug/l	99
64) Tetrachloroethene	8.528	164	40671	19.239	ug/l	95
65) Chlorobenzene	9.422	112	120402	18.805	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.508	131	41634	19.118	ug/l	98
67) Ethyl Benzene	9.547	91	203837	19.114	ug/l	99
68) m/p-Xylenes	9.669	106	151571	38.505	ug/l	98
69) o-Xylene	10.078	106	77590	19.102	ug/l	99
70) Styrene	10.094	104	125356	19.213	ug/l	99
71) Bromoform	10.267	173	32518	18.543	ug/l #	99
73) Isopropylbenzene	10.460	105	208233	19.172	ug/l	99
74) N-amyl acetate	10.303	43	67513	17.841	ug/l	100
75) 1,1,2,2-Tetrachloroethane	10.756	83	77251	18.522	ug/l	98
76) 1,2,3-Trichloropropane	10.798	75	79289	18.597	ug/l #	100
77) Bromobenzene	10.759	156	52214	19.107	ug/l	99
78) n-propylbenzene	10.881	91	239278	19.205	ug/l	100
79) 2-Chlorotoluene	10.962	91	150677	18.710	ug/l	99
80) 1,3,5-Trimethylbenzene	11.065	105	174759	19.189	ug/l	100
81) trans-1,4-Dichloro-2-b...	10.524	75	14167	17.324	ug/l	89
82) 4-Chlorotoluene	11.074	91	171451	18.735	ug/l	99
83) tert-Butylbenzene	11.396	119	181666	19.151	ug/l	99
84) 1,2,4-Trimethylbenzene	11.444	105	168533	18.858	ug/l	99
85) sec-Butylbenzene	11.618	105	232638	19.414	ug/l	100
86) p-Isopropyltoluene	11.769	119	183919	19.119	ug/l	99
87) 1,3-Dichlorobenzene	11.724	146	98722	19.229	ug/l	99
88) 1,4-Dichlorobenzene	11.814	146	98827	18.399	ug/l	98
89) n-Butylbenzene	12.184	91	159683	18.075	ug/l	99
90) Hexachloroethane	12.450	117	26607	18.130	ug/l	100
91) 1,2-Dichlorobenzene	12.190	146	98021	19.123	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.971	75	15540	18.183	ug/l	97
93) 1,2,4-Trichlorobenzene	13.817	180	55737	17.056	ug/l	100
94) Hexachlorobutadiene	13.994	225	31862	19.350	ug/l	96
95) Naphthalene	14.061	128	149504	16.888	ug/l	98
96) 1,2,3-Trichlorobenzene	14.302	180	53708	17.677	ug/l	99

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

