

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111125\
 Data File : VU063698.D
 Acq On : 11 Nov 2025 09:54
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Quant Time: Nov 12 02:09:00 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U111025W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 11 01:41:19 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.344	168	197765	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.219	114	328241	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.393	117	307049	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.788	152	167947	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.669	65	135748	46.466	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	92.940%
35) Dibromofluoromethane	5.258	113	110506	48.067	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	96.140%
50) Toluene-d8	7.872	98	383417	46.423	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	92.840%
62) 4-Bromofluorobenzene	10.608	95	163793	47.941	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	95.880%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.374	85	57119	47.825	ug/l	96
3) Chloromethane	1.509	50	59027	50.576	ug/l	99
4) Vinyl Chloride	1.589	62	69360	47.216	ug/l	99
5) Bromomethane	1.833	94	48844	54.848	ug/l	99
6) Chloroethane	1.914	64	53058	47.760	ug/l	100
7) Trichlorofluoromethane	2.119	101	132640	47.190	ug/l	98
8) Diethyl Ether	2.357	74	56838	47.564	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.557	101	87613	49.058	ug/l	100
10) Methyl Iodide	2.695	142	99147	50.132	ug/l	100
11) Tert butyl alcohol	3.148	59	133365	195.660	ug/l	100
12) 1,1-Dichloroethene	2.557	96	72753	47.311	ug/l	97
13) Acrolein	2.464	56	10376	236.140	ug/l	97
14) Allyl chloride	2.898	41	138251	48.205	ug/l	98
15) Acrylonitrile	3.280	53	338541	242.519	ug/l	97
16) Acetone	2.599	43	433953	270.754	ug/l	98
17) Carbon Disulfide	2.769	76	97431	49.726	ug/l	98
18) Methyl Acetate	2.920	43	246386	48.093	ug/l	99
19) Methyl tert-butyl Ether	3.332	73	342871	49.415	ug/l	99
20) Methylene Chloride	3.017	84	95954	50.935	ug/l	97
21) trans-1,2-Dichloroethene	3.325	96	75242	47.658	ug/l	97
22) Diisopropyl ether	3.955	45	306259	48.485	ug/l	91
23) Vinyl Acetate	3.920	43	1025351	238.022	ug/l	99
24) 1,1-Dichloroethane	3.833	63	178766	49.070	ug/l	99
25) 2-Butanone	4.666	43	467865	232.594	ug/l	98
26) 2,2-Dichloropropane	4.627	77	151101	48.292	ug/l	99
27) cis-1,2-Dichloroethene	4.634	96	109531	47.486	ug/l	97
28) Bromochloromethane	4.939	49	83570	57.323	ug/l	98
29) Tetrahydrofuran	5.016	42	266796	227.940	ug/l	98
30) Chloroform	5.055	83	202088	50.634	ug/l	100
31) Cyclohexane	5.354	56	119010	51.260	ug/l	98
32) 1,1,1-Trichloroethane	5.283	97	160579	49.030	ug/l	99
36) 1,1-Dichloropropene	5.496	75	107711	46.032	ug/l	99
37) Ethyl Acetate	4.775	43	144565	43.632	ug/l	100
38) Carbon Tetrachloride	5.492	117	120018	47.456	ug/l	100
39) Methylcyclohexane	6.733	83	125188	47.123	ug/l	98
40) Benzene	5.743	78	367519	48.672	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.939	41	82647	47.995	ug/l	99
42) 1,2-Dichloroethane	5.762	62	147250	49.444	ug/l	100
43) Isopropyl Acetate	5.881	43	229106	47.176	ug/l	99
44) Trichloroethene	6.515	130	97927	46.225	ug/l	97
45) 1,2-Dichloropropane	6.762	63	100187	48.808	ug/l	99
46) Dibromomethane	6.888	93	75763	49.156	ug/l	98
47) Bromodichloromethane	7.077	83	153023	48.971	ug/l	99
48) Methyl methacrylate	6.933	41	112601	47.236	ug/l	98
49) 1,4-Dioxane	6.936	88	52199	826.526	ug/l	96
51) 4-Methyl-2-Pentanone	7.762	43	859954	231.403	ug/l	99
52) Toluene	7.942	92	237559	48.478	ug/l	98
53) t-1,3-Dichloropropene	8.184	75	124175	47.191	ug/l	98
54) cis-1,3-Dichloropropene	7.579	75	143353	48.607	ug/l	96
55) 1,1,2-Trichloroethane	8.373	97	111587	49.621	ug/l	98
56) Ethyl methacrylate	8.309	69	165090	49.754	ug/l	99
57) 1,3-Dichloropropane	8.547	76	181108	49.365	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.447	63	4612	115.591	ug/l #	86
59) 2-Hexanone	8.656	43	632407	228.477	ug/l	99
60) Dibromochloromethane	8.782	129	116739	49.563	ug/l	99
61) 1,2-Dibromoethane	8.897	107	106893	49.329	ug/l	99
64) Tetrachloroethene	8.528	164	99846	50.403	ug/l	99
65) Chlorobenzene	9.421	112	293075	48.849	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.508	131	101363	49.672	ug/l	99
67) Ethyl Benzene	9.544	91	493438	49.377	ug/l	99
68) m/p-Xylenes	9.669	106	374258	101.462	ug/l	99
69) o-Xylene	10.074	106	188795	49.601	ug/l	98
70) Styrene	10.090	104	312268	51.076	ug/l	100
71) Bromoform	10.264	173	82010	49.907	ug/l #	99
73) Isopropylbenzene	10.460	105	509167	48.255	ug/l	99
74) N-amyl acetate	10.299	43	166198	45.209	ug/l	100
75) 1,1,2,2-Tetrachloroethane	10.756	83	184049	45.422	ug/l	100
76) 1,2,3-Trichloropropane	10.798	75	188311	44.494	ug/l #	100
77) Bromobenzene	10.759	156	126496	47.649	ug/l	98
78) n-propylbenzene	10.881	91	589344	48.689	ug/l	99
79) 2-Chlorotoluene	10.962	91	365677	46.739	ug/l	99
80) 1,3,5-Trimethylbenzene	11.061	105	430709	48.682	ug/l	99
81) trans-1,4-Dichloro-2-b...	10.521	75	38619	48.611	ug/l	99
82) 4-Chlorotoluene	11.071	91	421174	47.373	ug/l	100
83) tert-Butylbenzene	11.396	119	438875	47.623	ug/l	99
84) 1,2,4-Trimethylbenzene	11.441	105	420699	48.455	ug/l	100
85) sec-Butylbenzene	11.617	105	564053	48.452	ug/l	100
86) p-Isopropyltoluene	11.769	119	457022	48.904	ug/l	100
87) 1,3-Dichlorobenzene	11.720	146	242643	48.649	ug/l	99
88) 1,4-Dichlorobenzene	11.810	146	242246	46.424	ug/l	99
89) n-Butylbenzene	12.183	91	397121	46.270	ug/l	99
90) Hexachloroethane	12.447	117	69022	48.413	ug/l	99
91) 1,2-Dichlorobenzene	12.187	146	237729	47.739	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.968	75	36796	44.318	ug/l	98
93) 1,2,4-Trichlorobenzene	13.814	180	139265	43.867	ug/l	99
94) Hexachlorobutadiene	13.994	225	76010	47.517	ug/l	98
95) Naphthalene	14.061	128	358472	41.681	ug/l	99
96) 1,2,3-Trichlorobenzene	14.302	180	131581	44.579	ug/l	99

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

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