

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111225\
 Data File : VU063709.D
 Acq On : 12 Nov 2025 08:58
 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 14 04:40:42 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	5.341	168	188544	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.219	114	316275	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.393	117	296738	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.788	152	161006	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.669	65	137380	49.324	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	98.640%
35) Dibromofluoromethane	5.255	113	108822	49.125	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	98.260%
50) Toluene-d8	7.872	98	370632	46.573	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	93.140%
62) 4-Bromofluorobenzene	10.608	95	163172	49.566	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	99.140%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.374	85	52399	46.018	ug/l	96
3) Chloromethane	1.509	50	53967	48.478	ug/l	99
4) Vinyl Chloride	1.589	62	63780	45.541	ug/l	99
5) Bromomethane	1.830	94	46803	55.148	ug/l	99
6) Chloroethane	1.911	64	50816	47.979	ug/l	99
7) Trichlorofluoromethane	2.116	101	128209	47.844	ug/l	100
8) Diethyl Ether	2.354	74	56157	49.292	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.554	101	84077	49.380	ug/l	98
10) Methyl Iodide	2.695	142	94964	50.351	ug/l	99
11) Tert butyl alcohol	3.152	59	140117	215.620	ug/l	99
12) 1,1-Dichloroethene	2.554	96	68580	46.779	ug/l	98
13) Acrolein	2.464	56	9389	222.981	ug/l #	83
14) Allyl chloride	2.895	41	129623	47.407	ug/l	98
15) Acrylonitrile	3.280	53	337432	253.547	ug/l	100
16) Acetone	2.599	43	442233	289.738	ug/l	98
17) Carbon Disulfide	2.766	76	84906	45.443	ug/l	100
18) Methyl Acetate	2.920	43	249367	50.959	ug/l	100
19) Methyl tert-butyl Ether	3.332	73	335269	50.683	ug/l	100
20) Methylene Chloride	3.014	84	92205	51.344	ug/l	98
21) trans-1,2-Dichloroethene	3.322	96	70258	46.678	ug/l	94
22) Diisopropyl ether	3.956	45	299923	49.804	ug/l	95
23) Vinyl Acetate	3.920	43	992081	241.562	ug/l	99
24) 1,1-Dichloroethane	3.833	63	169336	48.755	ug/l	100
25) 2-Butanone	4.666	43	490482	255.762	ug/l	98
26) 2,2-Dichloropropane	4.628	77	141312	47.372	ug/l	99
27) cis-1,2-Dichloroethene	4.634	96	108624	49.396	ug/l	100
28) Bromochloromethane	4.936	49	84278	60.636	ug/l	98
29) Tetrahydrofuran	5.017	42	272571	244.263	ug/l	99
30) Chloroform	5.055	83	193988	50.981	ug/l	100
31) Cyclohexane	5.354	56	109628	49.467	ug/l	99
32) 1,1,1-Trichloroethane	5.280	97	155341	49.750	ug/l	99
36) 1,1-Dichloropropene	5.496	75	102234	45.344	ug/l	98
37) Ethyl Acetate	4.776	43	147133	46.087	ug/l	99
38) Carbon Tetrachloride	5.493	117	114195	46.862	ug/l	98
39) Methylcyclohexane	6.734	83	117135	45.760	ug/l	98
40) Benzene	5.743	78	352691	48.475	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.939	41	81684	49.231	ug/l	99
42) 1,2-Dichloroethane	5.763	62	146489	51.050	ug/l	98
43) Isopropyl Acetate	5.882	43	231338	49.438	ug/l	99
44) Trichloroethene	6.515	130	96667	47.357	ug/l	98
45) 1,2-Dichloropropane	6.759	63	97355	49.223	ug/l	100
46) Dibromomethane	6.888	93	77793	52.382	ug/l	99
47) Bromodichloromethane	7.074	83	151889	50.447	ug/l	99
48) Methyl methacrylate	6.933	41	113906	49.591	ug/l	97
49) 1,4-Dioxane	6.933	88	57196	939.914	ug/l	99
51) 4-Methyl-2-Pentanone	7.759	43	890026	248.556	ug/l	100
52) Toluene	7.943	92	230231	48.760	ug/l	99
53) t-1,3-Dichloropropene	8.184	75	119553	47.153	ug/l	95
54) cis-1,3-Dichloropropene	7.579	75	137972	48.552	ug/l	99
55) 1,1,2-Trichloroethane	8.370	97	111022	51.238	ug/l	98
56) Ethyl methacrylate	8.309	69	165571	51.787	ug/l	98
57) 1,3-Dichloropropane	8.547	76	176560	49.946	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.444	63	9494	246.952	ug/l	97
59) 2-Hexanone	8.656	43	669965	251.204	ug/l	100
60) Dibromochloromethane	8.782	129	116194	51.198	ug/l	99
61) 1,2-Dibromoethane	8.898	107	107223	51.354	ug/l	97
64) Tetrachloroethene	8.528	164	95641	49.958	ug/l	97
65) Chlorobenzene	9.422	112	280657	48.404	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.505	131	99298	50.351	ug/l	98
67) Ethyl Benzene	9.544	91	471009	48.770	ug/l	99
68) m/p-Xylenes	9.669	106	356964	100.137	ug/l	99
69) o-Xylene	10.074	106	180987	49.202	ug/l	97
70) Styrene	10.090	104	305709	51.740	ug/l	99
71) Bromoform	10.264	173	80134	50.460	ug/l #	97
73) Isopropylbenzene	10.457	105	493499	48.787	ug/l	99
74) N-amyl acetate	10.299	43	167730	47.592	ug/l	100
75) 1,1,2,2-Tetrachloroethane	10.756	83	191054	49.184	ug/l	100
76) 1,2,3-Trichloropropane	10.798	75	193513	47.695	ug/l #	100
77) Bromobenzene	10.756	156	125087	49.150	ug/l	98
78) n-propylbenzene	10.881	91	564300	48.630	ug/l	100
79) 2-Chlorotoluene	10.959	91	357194	47.623	ug/l	99
80) 1,3,5-Trimethylbenzene	11.061	105	422325	49.792	ug/l	99
81) trans-1,4-Dichloro-2-b...	10.518	75	37457	49.181	ug/l	94
82) 4-Chlorotoluene	11.071	91	412203	48.362	ug/l	99
83) tert-Butylbenzene	11.393	119	427490	48.387	ug/l	99
84) 1,2,4-Trimethylbenzene	11.441	105	408355	49.061	ug/l	99
85) sec-Butylbenzene	11.618	105	539844	48.371	ug/l	99
86) p-Isopropyltoluene	11.766	119	445232	49.696	ug/l	99
87) 1,3-Dichlorobenzene	11.721	146	236399	49.440	ug/l	99
88) 1,4-Dichlorobenzene	11.811	146	239796	47.935	ug/l	99
89) n-Butylbenzene	12.184	91	380678	46.266	ug/l	100
90) Hexachloroethane	12.447	117	65546	47.957	ug/l	100
91) 1,2-Dichlorobenzene	12.187	146	233668	48.946	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.968	75	39554	49.694	ug/l	98
93) 1,2,4-Trichlorobenzene	13.810	180	143242	47.064	ug/l	99
94) Hexachlorobutadiene	13.994	225	74557	48.617	ug/l	98
95) Naphthalene	14.058	128	375193	45.506	ug/l	99
96) 1,2,3-Trichlorobenzene	14.299	180	134395	47.496	ug/l	100

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

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