

Data Path : Z:\voasrv\HPCHEM1\MSVOA_T\Data\VT103025\
 Data File : VT019208.D
 Acq On : 30 Oct 2025 10:20
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_T/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_T
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By :Amit Patel 10/31/2025
 Supervised By :Mahesh Dadoda 10/31/2025

Quant Time: Oct 31 01:14:57 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_T\methods\82T102925W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 30 08:43:44 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.589	168	159233	50.000	ug/l	0.04
34) 1,4-Difluorobenzene	8.582	114	262470	50.000	ug/l	0.03
63) Chlorobenzene-d5	11.760	117	216526	50.000	ug/l	0.04
72) 1,4-Dichlorobenzene-d4	13.964	152	104980	50.000	ug/l	0.03
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.977	65	118279	46.180	ug/l	0.04
Spiked Amount 50.000			Recovery	=	92.360%	
35) Dibromofluoromethane	7.501	113	82705	49.821	ug/l	0.04
Spiked Amount 50.000			Recovery	=	99.640%	
50) Toluene-d8	10.262	98	335463	49.762	ug/l	0.04
Spiked Amount 50.000			Recovery	=	99.520%	
62) 4-Bromofluorobenzene	12.894	95	103206	48.699	ug/l	0.04
Spiked Amount 50.000			Recovery	=	97.400%	
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.884	85	36998	39.454	ug/l	97
3) Chloromethane	2.124	50	64717m	44.780	ug/l	
4) Vinyl Chloride	2.207	62	82941	44.865	ug/l	99
5) Bromomethane	2.536	94	67819	68.105	ug/l	96
6) Chloroethane	2.683	64	87841	52.369	ug/l	96
7) Trichlorofluoromethane	2.988	101	170815	49.906	ug/l	97
8) Diethyl Ether	3.364	74	77495	47.207	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.693	101	72786	43.831	ug/l	94
10) Methyl Iodide	3.875	142	60348	44.887	ug/l	98
11) Tert butyl alcohol	4.686	59	142845	262.383	ug/l	99
12) 1,1-Dichloroethene	3.670	96	63692	41.512	ug/l	98
13) Acrolein	3.546	56	21086	227.043	ug/l	97
14) Allyl chloride	4.228	41	146689	48.476	ug/l	91
15) Acrylonitrile	4.857	53	332051	250.093	ug/l	99
16) Acetone	3.752	43	373259	244.511	ug/l	99
17) Carbon Disulfide	3.969	76	96955	46.491	ug/l	98
18) Methyl Acetate	4.234	43	239044	53.038	ug/l	96
19) Methyl tert-butyl Ether	4.921	73	337188	48.653	ug/l	100
20) Methylene Chloride	4.439	84	79079	46.181	ug/l	97
21) trans-1,2-Dichloroethene	4.910	96	64769	49.568	ug/l	94
22) Diisopropyl ether	5.814	45	348843	48.559	ug/l	99
23) Vinyl Acetate	5.761	43	1242158	242.026	ug/l	100
24) 1,1-Dichloroethane	5.709	63	164025	48.807	ug/l	98
25) 2-Butanone	6.713	43	464475	237.094	ug/l	96
26) 2,2-Dichloropropane	6.696	77	142243	49.051	ug/l	100
27) cis-1,2-Dichloroethene	6.702	96	91747	50.035	ug/l	99
28) Bromochloromethane	7.083	49	88201	49.108	ug/l #	98
29) Tetrahydrofuran	7.107	42	287206	251.974	ug/l	91
30) Chloroform	7.277	83	154273	49.032	ug/l	97
31) Cyclohexane	7.571	56	112453	44.999	ug/l	97
32) 1,1,1-Trichloroethane	7.483	97	126409	50.472	ug/l	99
36) 1,1-Dichloropropene	7.724	75	95061	50.910	ug/l	99
37) Ethyl Acetate	6.813	43	159667	50.231	ug/l	98
38) Carbon Tetrachloride	7.700	117	90915	53.549	ug/l	99
39) Methylcyclohexane	9.128	83	104524	50.662	ug/l	92
40) Benzene	7.988	78	316745	50.111	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.060	41	89301	55.842	ug/l #	93
42) 1,2-Dichloroethane	8.082	62	111693	50.286	ug/l	97
43) Isopropyl Acetate	8.123	43	256922	50.830	ug/l #	91
44) Trichloroethene	8.858	130	63494	51.389	ug/l	95
45) 1,2-Dichloropropane	9.169	63	81095	50.424	ug/l	97
46) Dibromomethane	9.269	93	50495	52.168	ug/l	94
47) Bromodichloromethane	9.487	83	113867	52.180	ug/l	97
48) Methyl methacrylate	9.263	41	118317	52.115	ug/l	91
49) 1,4-Dioxane	9.263	88	44336	1039.733	ug/l	93
51) 4-Methyl-2-Pentanone	10.139	43	804706	264.347	ug/l	97
52) Toluene	10.333	92	186203	51.555	ug/l	97
53) t-1,3-Dichloropropene	10.591	75	122781	51.985	ug/l	99
54) cis-1,3-Dichloropropene	9.980	75	125409	51.276	ug/l	94
55) 1,1,2-Trichloroethane	10.797	97	75380	52.916	ug/l	99
56) Ethyl methacrylate	10.644	69	145897	53.295	ug/l	93
57) 1,3-Dichloropropane	10.961	76	130602	51.658	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.816	63	180992	245.667	ug/l	98
59) 2-Hexanone	11.008	43	589518	255.634	ug/l	95
60) Dibromochloromethane	11.185	129	76871	53.523	ug/l	100
61) 1,2-Dibromoethane	11.302	107	70233	52.948	ug/l	97
64) Tetrachloroethene	10.873	164	50604	51.417	ug/l	98
65) Chlorobenzene	11.784	112	197414	50.797	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.872	131	67687	50.871	ug/l	98
67) Ethyl Benzene	11.878	91	362929	49.948	ug/l	99
68) m/p-Xylenes	12.001	106	268795	100.150	ug/l	99
69) o-Xylene	12.371	106	134139	50.280	ug/l	100
70) Styrene	12.389	104	239572	49.870	ug/l	98
71) Bromoform	12.583	173	54266	53.337	ug/l #	100
73) Isopropylbenzene	12.718	105	363427	50.287	ug/l	98
74) N-amyl acetate	12.507	43	184418	50.588	ug/l	95
75) 1,1,2,2-Tetrachloroethane	13.006	83	124526	50.287	ug/l	97
76) 1,2,3-Trichloropropane	13.065	75	112128m	51.904	ug/l	
77) Bromobenzene	13.035	156	76492	49.883	ug/l	93
78) n-propylbenzene	13.106	91	425705	49.581	ug/l	97
79) 2-Chlorotoluene	13.206	91	243898	49.583	ug/l	98
80) 1,3,5-Trimethylbenzene	13.265	105	291518	50.220	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.771	75	48735m	52.932	ug/l	
82) 4-Chlorotoluene	13.312	91	248365	49.617	ug/l	100
83) tert-Butylbenzene	13.564	119	271309	50.496	ug/l	97
84) 1,2,4-Trimethylbenzene	13.611	105	292978	49.696	ug/l	97
85) sec-Butylbenzene	13.764	105	396220	50.277	ug/l	97
86) p-Isopropyltoluene	13.893	119	330711	50.261	ug/l	98
87) 1,3-Dichlorobenzene	13.899	146	155291	49.360	ug/l	99
88) 1,4-Dichlorobenzene	13.987	146	158353	49.967	ug/l	100
89) n-Butylbenzene	14.263	91	311576	51.266	ug/l	97
90) Hexachloroethane	14.575	117	54558	53.745	ug/l	94
91) 1,2-Dichlorobenzene	14.322	146	156352	50.729	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	15.021	75	27315	51.147	ug/l	95
93) 1,2,4-Trichlorobenzene	15.815	180	100947	50.925	ug/l	100
94) Hexachlorobutadiene	15.932	225	41905	51.255	ug/l	97
95) Naphthalene	16.102	128	350187	50.453	ug/l	99
96) 1,2,3-Trichlorobenzene	16.343	180	101021	51.655	ug/l	99

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

