

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100725\
 Data File : VX048056.D
 Acq On : 07 Oct 2025 18:24
 Operator : JC/MD
 Sample : VSTDICC150
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC150

Quant Time: Oct 08 02:20:03 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X100725W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Oct 08 02:15:43 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 10/08/2025
 Supervised By : Mahesh Dadoda 10/09/2025

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

Internal Standards						
1) Bromochloromethane	4.891	128	24650m	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.751	114	143975	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.037	117	130576	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.946	65	65273	30.700	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 102.333%			
60) 4-Bromofluorobenzene	11.061	95	62831	28.611	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 95.367%			
63) Toluene-d8	8.635	98	172661	29.638	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 98.800%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.173	85	276428	163.352	ug/l	100
3) Chloromethane	1.301	50	290454	163.924	ug/l	97
4) Vinyl Chloride	1.380	62	297104	172.058	ug/l	96
5) Bromomethane	1.605	94	153942	151.718	ug/l	97
6) Chloroethane	1.691	64	183723	179.022	ug/l	99
7) Trichlorofluoromethane	1.892	101	408546	167.795	ug/l	99
8) Diethyl Ether	2.136	74	160509	182.530	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.337	101	228554	148.813	ug/l	97
10) 1,1-Dichloroethene	2.325	96	240344	155.149	ug/l	95
11) Methyl Iodide	2.453	142	372034m	184.537	ug/l	
12) Methyl Acetate	2.703	43	279464	155.703	ug/l	99
13) Acrolein	2.239	56	245958	1115.682	ug/l	98
14) Acrylonitrile	3.063	53	660634	810.400	ug/l	99
15) Acetone	2.380	58	152020	804.375	ug/l	91
16) Carbon Disulfide	2.514	76	734443	166.614	ug/l	99
17) Allyl chloride	2.666	41	454209	162.405	ug/l	96
18) Methylene Chloride	2.788	84	282674	162.789	ug/l	98
19) trans-1,2-Dichloroethene	3.093	96	256572	157.699	ug/l	92
20) Diisopropyl ether	3.757	45	903461	165.291	ug/l	83
21) 1,1-Dichloroethane	3.605	63	488957	158.750	ug/l	99
22) cis-1,2-Dichloroethene	4.483	96	300557	160.082	ug/l #	88
23) tert-Butyl Alcohol	2.953	59	162465	931.604	ug/l #	100
24) Methyl tert-Butyl Ether	3.111	73	846121	173.239	ug/l	99
25) Chloroform	5.080	83	491161	155.388	ug/l	99
26) Cyclohexane	5.465	56	394777	145.503	ug/l #	95
29) 1,1-Dichloropropene	5.684	75	323746	145.968	ug/l	99
30) 2-Butanone	4.544	43	798993	788.927	ug/l	98
31) 2,2-Dichloropropane	4.471	77	365554	176.830	ug/l #	90
32) 1,1,1-Trichloroethane	5.373	97	420228	151.460	ug/l	98
33) Carbon Tetrachloride	5.666	117	345851m	144.852	ug/l	
34) Benzene	6.025	78	1031899	155.151	ug/l	97
35) Methacrylonitrile	4.910	41	189860	152.637	ug/l	99
36) 1,2-Dichloroethane	6.074	62	379781	151.904	ug/l	98
37) Trichloroethene	7.111	130	250918	151.734	ug/l	100
38) Methylcyclohexane	7.367	83	387470	140.464	ug/l	97
39) 1,2-Dichloropropane	7.415	63	266168	159.218	ug/l	97
40) Dibromomethane	7.568	93	192184m	153.581	ug/l	
41) Bromodichloromethane	7.806	83	397552	157.365	ug/l	100
42) Vinyl Acetate	3.715	43	3867634	851.572	ug/l	100

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43) Ethyl Acetate	4.702	43	358316	166.633	ug/l	98
44) Isopropyl Acetate	6.324	43	595354	173.249	ug/l	100
45) 1,4-Dioxane	7.647	88	70949	3333.999	ug/l #	93
46) Methyl methacrylate	7.678	41	304232	167.011	ug/l	97
47) n-amyl Acetate	10.829	43	516857	166.347	ug/l	98
48) t-1,3-Dichloropropene	8.964	75	413161	176.681	ug/l	100
49) cis-1,3-Dichloropropene	8.354	75	437263	169.192	ug/l	99
50) 1,1,2-Trichloroethane	9.141	97	242082	153.330	ug/l	98
51) Ethyl methacrylate	9.104	69	404712	169.577	ug/l	97
52) 1,3-Dichloropropane	9.293	76	424673	155.312	ug/l	99
53) Dibromochloromethane	9.506	129	279064	160.787	ug/l #	14
54) 1,2-Dibromoethane	9.598	107	259777	156.835	ug/l	99
55) 2-Chloroethyl vinyl ether	8.232	63	1046322	847.695	ug/l	99
56) Bromoform	10.787	173	1713m	1.892	ug/l	
58) 4-Methyl-2-Pentanone	8.562	43	1674036	779.918	ug/l	97
59) 2-Hexanone	9.415	43	1171768	780.457	ug/l	99
61) Tetrachloroethene	9.263	164	195103	144.504	ug/l	95
62) Toluene	8.702	91	1064264	151.040	ug/l	100
64) Chlorobenzene	10.061	112	690887	151.722	ug/l	100
65) 1,1,1,2-Tetrachloroethane	10.147	131	244687	158.903	ug/l #	83
66) Ethyl Benzene	10.177	91	1200011	150.807	ug/l	98
67) m/p-Xylenes	10.287	106	896131	302.135	ug/l	99
68) o-Xylene	10.628	106	434323	152.775	ug/l	97
69) Styrene	10.640	104	760299	154.976	ug/l	99
70) Isopropylbenzene	10.945	105	1097952	144.941	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.195	83	339277	149.707	ug/l	99
72) 1,2,3-Trichloropropane	11.220	75	269273m	140.755	ug/l	
73) Bromobenzene	11.183	156	272099	151.329	ug/l	96
74) n-propylbenzene	11.287	91	1305959	144.394	ug/l	100
75) 2-Chlorotoluene	11.348	91	789918	144.855	ug/l	99
76) 1,3,5-Trimethylbenzene	11.433	105	899532	143.202	ug/l	99
77) t-1,4-Dichloro-2-butene	11.000	75	117665	180.690	ug/l	92
78) 4-Chlorotoluene	11.439	91	928015	146.980	ug/l	100
79) tert-butylbenzene	11.695	119	893383	143.970	ug/l	99
80) 1,2,4-Trimethylbenzene	11.732	105	905888	145.507	ug/l	100
81) sec-Butylbenzene	11.872	105	1074798	135.843	ug/l	100
82) p-Isopropyltoluene	11.994	119	901607	138.689	ug/l	100
83) 1,3-Dichlorobenzene	11.951	146	495954	148.757	ug/l	98
84) 1,4-Dichlorobenzene	12.024	146	498650	148.556	ug/l	98
85) n-Butylbenzene	12.311	91	832773	134.191	ug/l	98
86) Hexachloroethane	12.518	117	173681	163.022	ug/l	94
87) 1,2-Dichlorobenzene	12.317	146	474953	147.954	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	12.920	75	70810	153.927	ug/l	97
89) 1,2,4-Trichlorobenzene	13.567	180	308598	148.607	ug/l	98
90) Hexachlorobutadiene	13.707	225	97370	113.142	ug/l	71
91) Naphthalene	13.756	128	1017137	155.200	ug/l	99
92) 1,2,3-Trichlorobenzene	13.939	180	295718	146.297	ug/l	99

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

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