

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011625\
 Data File : VX044661.D
 Acq On : 16 Jan 2025 09:25
 Operator :
 Sample : VSTDICC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC050

Quant Time: Jan 17 01:01:44 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X011625W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Jan 17 00:59:31 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
 Supervised By :Semsettin Yesilyurt 01/17/2025

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

Internal Standards						
1) Bromochloromethane	4.891	128	31946	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.757	114	176401	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.049	117	156058	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.952	65	92806	30.092	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 100.300%			
60) 4-Bromofluorobenzene	11.079	95	91788	30.281	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 100.933%			
63) Toluene-d8	8.647	98	253105	29.819	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 99.400%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	136053	53.031	ug/l	99
3) Chloromethane	1.294	50	147748	49.450	ug/l	98
4) Vinyl Chloride	1.374	62	141110	48.270	ug/l	98
5) Bromomethane	1.593	94	32943	46.667	ug/l	100
6) Chloroethane	1.660	64	23580	49.950	ug/l	98
7) Trichlorofluoromethane	1.867	101	151253	47.245	ug/l	100
8) Diethyl Ether	2.136	74	59325	48.034	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.319	101	106998	46.650	ug/l	99
10) 1,1-Dichloroethene	2.306	96	112301	47.590	ug/l	94
11) Methyl Iodide	2.441	142	163230	49.919	ug/l	98
12) Methyl Acetate	2.703	43	170946	49.623	ug/l	100
13) Acrolein	2.233	56	86575	227.272	ug/l	99
14) Acrylonitrile	3.062	53	309583	246.621	ug/l	100
15) Acetone	2.386	58	81812	242.884	ug/l	94
16) Carbon Disulfide	2.501	76	320132	48.818	ug/l	100
17) Allyl chloride	2.654	41	209402	49.209	ug/l	99
18) Methylene Chloride	2.782	84	129192	48.907	ug/l	99
19) trans-1,2-Dichloroethene	3.081	96	114074	48.618	ug/l	98
20) Diisopropyl ether	3.757	45	379943	49.191	ug/l	97
21) 1,1-Dichloroethane	3.605	63	225092	49.127	ug/l	97
22) cis-1,2-Dichloroethene	4.477	96	141413	48.695	ug/l	98
23) tert-Butyl Alcohol	2.977	59	144322m	265.008	ug/l	
24) Methyl tert-Butyl Ether	3.111	73	396412	48.485	ug/l	99
25) Chloroform	5.086	83	222532	48.880	ug/l	96
26) Cyclohexane	5.458	56	180292	46.819	ug/l #	99
29) 1,1-Dichloropropene	5.684	75	148511	48.402	ug/l	99
30) 2-Butanone	4.556	43	419491	248.886	ug/l	99
31) 2,2-Dichloropropane	4.465	77	203849	48.011	ug/l	99
32) 1,1,1-Trichloroethane	5.373	97	195383	48.051	ug/l	99
33) Carbon Tetrachloride	5.672	117	164089	47.839	ug/l	98
34) Benzene	6.031	78	480821	49.118	ug/l	99
35) Methacrylonitrile	4.916	41	93262	49.509	ug/l	98
36) 1,2-Dichloroethane	6.080	62	170346	48.671	ug/l	99
37) Trichloroethene	7.116	130	115805	48.998	ug/l	95
38) Methylcyclohexane	7.373	83	196645	47.170	ug/l	99
39) 1,2-Dichloropropane	7.427	63	121901	49.937	ug/l	97
40) Dibromomethane	7.574	93	88733	48.894	ug/l	99
41) Bromodichloromethane	7.818	83	184753	49.303	ug/l	99
42) Vinyl Acetate	3.715	43	1646712	246.012	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	4.708	43	162349	49.103	ug/l	# 94
44) Isopropyl Acetate	6.336	43	293976	49.493	ug/l	98
45) 1,4-Dioxane	7.671	88	56732	1003.041	ug/l	98
46) Methyl methacrylate	7.690	41	145468	50.033	ug/l	99
47) n-amyl Acetate	10.841	43	248981	49.948	ug/l	99
48) t-1,3-Dichloropropene	8.976	75	198307	50.138	ug/l	99
49) cis-1,3-Dichloropropene	8.360	75	211446	49.856	ug/l	99
50) 1,1,2-Trichloroethane	9.147	97	117115	50.024	ug/l	97
51) Ethyl methacrylate	9.116	69	206891	50.954	ug/l	99
52) 1,3-Dichloropropane	9.305	76	199192	49.275	ug/l	98
53) Dibromochloromethane	9.518	129	137982	49.404	ug/l	98
54) 1,2-Dibromoethane	9.604	107	122664	49.646	ug/l	100
55) 2-Chloroethyl vinyl ether	8.238	63	496129	252.154	ug/l	100
56) Bromoform	10.799	173	92355	49.868	ug/l	99
58) 4-Methyl-2-Pentanone	8.574	43	804113	244.450	ug/l	99
59) 2-Hexanone	9.433	43	586563	243.566	ug/l	99
61) Tetrachloroethene	9.269	164	90750	48.479	ug/l	98
62) Toluene	8.714	91	503289	48.978	ug/l	98
64) Chlorobenzene	10.073	112	316113	49.533	ug/l	98
65) 1,1,1,2-Tetrachloroethane	10.159	131	112521	49.083	ug/l	99
66) Ethyl Benzene	10.189	91	552973	49.310	ug/l	99
67) m/p-Xylenes	10.299	106	405714	98.422	ug/l	99
68) o-Xylene	10.640	106	204604	49.454	ug/l	100
69) Styrene	10.652	104	335834	49.440	ug/l	100
70) Isopropylbenzene	10.957	105	505061	48.560	ug/l	100
71) 1,1,2,2-Tetrachloroethane	11.213	83	168965	48.244	ug/l	100
72) 1,2,3-Trichloropropane	11.238	75	145534m	49.476	ug/l	
73) Bromobenzene	11.195	156	119195	49.194	ug/l	99
74) n-propylbenzene	11.299	91	581862	49.219	ug/l	100
75) 2-Chlorotoluene	11.360	91	364136	49.004	ug/l	100
76) 1,3,5-Trimethylbenzene	11.451	105	416769	49.342	ug/l	100
77) t-1,4-Dichloro-2-butene	11.018	75	67311	48.369	ug/l	97
78) 4-Chlorotoluene	11.451	91	403646	49.323	ug/l	100
79) tert-butylbenzene	11.713	119	422625	48.705	ug/l	100
80) 1,2,4-Trimethylbenzene	11.750	105	416772	48.906	ug/l	99
81) sec-Butylbenzene	11.890	105	506286	48.863	ug/l	100
82) p-Isopropyltoluene	12.006	119	416615	48.855	ug/l	100
83) 1,3-Dichlorobenzene	11.969	146	213035	49.501	ug/l	100
84) 1,4-Dichlorobenzene	12.036	146	207367	49.151	ug/l	100
85) n-Butylbenzene	12.329	91	365981	49.510	ug/l	98
86) Hexachloroethane	12.536	117	89957	47.953	ug/l	99
87) 1,2-Dichlorobenzene	12.335	146	212294	49.399	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	12.939	75	39899	47.378	ug/l	100
89) 1,2,4-Trichlorobenzene	13.585	180	131622	49.284	ug/l	99
90) Hexachlorobutadiene	13.725	225	49464	47.882	ug/l	98
91) Naphthalene	13.774	128	495557	49.597	ug/l	99
92) 1,2,3-Trichlorobenzene	13.957	180	134623	49.560	ug/l	99

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

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