

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011625\
 Data File : VX044662.D
 Acq On : 16 Jan 2025 09:49
 Operator :
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC100

Quant Time: Jan 17 01:02:40 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	26822	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.757	114	152295	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.049	117	129735	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.946	65	78213	30.205	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 100.700%			
60) 4-Bromofluorobenzene	11.079	95	76025	30.170	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 100.567%			
63) Toluene-d8	8.647	98	211985	30.042	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 100.133%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	267360m	124.121	ug/l	
3) Chloromethane	1.294	50	260185	103.718	ug/l	100
4) Vinyl Chloride	1.374	62	264006	107.561	ug/l	97
5) Bromomethane	1.593	94	61090	103.072	ug/l	97
6) Chloroethane	1.660	64	45219	114.088	ug/l	95
7) Trichlorofluoromethane	1.861	101	293373	109.142	ug/l	98
8) Diethyl Ether	2.136	74	108527	104.658	ug/l	99
9) 1,1,2-Trichlorotrifluoro...	2.313	101	216700	112.529	ug/l	98
10) 1,1-Dichloroethene	2.307	96	210933	106.464	ug/l	96
11) Methyl Iodide	2.441	142	283426	103.236	ug/l	98
12) Methyl Acetate	2.703	43	316480	109.420	ug/l	99
13) Acrolein	2.239	56	157728	493.161	ug/l	99
14) Acrylonitrile	3.062	53	551693	523.451	ug/l	100
15) Acetone	2.386	58	149940	530.181	ug/l	94
16) Carbon Disulfide	2.495	76	590082	107.175	ug/l	100
17) Allyl chloride	2.654	41	382410	107.032	ug/l	99
18) Methylene Chloride	2.782	84	228084	102.839	ug/l	98
19) trans-1,2-Dichloroethene	3.081	96	206160	104.651	ug/l	97
20) Diisopropyl ether	3.757	45	662597	102.175	ug/l	95
21) 1,1-Dichloroethane	3.599	63	406465	105.660	ug/l	98
22) cis-1,2-Dichloroethene	4.477	96	255966	104.980	ug/l	98
23) tert-Butyl Alcohol	3.044	59	253812m	555.091	ug/l	
24) Methyl tert-Butyl Ether	3.111	73	712903	103.853	ug/l	99
25) Chloroform	5.086	83	399572	104.534	ug/l	96
26) Cyclohexane	5.458	56	351156	108.611	ug/l #	100
29) 1,1-Dichloropropene	5.684	75	279081	105.354	ug/l	99
30) 2-Butanone	4.556	43	740025	508.557	ug/l	100
31) 2,2-Dichloropropane	4.465	77	376371	102.674	ug/l	98
32) 1,1,1-Trichloroethane	5.373	97	359473	102.399	ug/l	99
33) Carbon Tetrachloride	5.666	117	306978	103.662	ug/l	97
34) Benzene	6.025	78	853368	100.973	ug/l	99
35) Methacrylonitrile	4.916	41	168983	103.905	ug/l	98
36) 1,2-Dichloroethane	6.080	62	308254	102.014	ug/l	100
37) Trichloroethene	7.117	130	215237	105.483	ug/l	95
38) Methylcyclohexane	7.373	83	393920	109.448	ug/l	99
39) 1,2-Dichloropropane	7.421	63	214812	101.928	ug/l	98
40) Dibromomethane	7.574	93	159130	101.563	ug/l	99
41) Bromodichloromethane	7.818	83	324068	100.170	ug/l	98
42) Vinyl Acetate	3.715	43	2899515	501.741	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	4.708	43	301278	105.547	ug/l	# 94
44) Isopropyl Acetate	6.336	43	524207	102.223	ug/l	99
45) 1,4-Dioxane	7.671	88	95678	1959.377	ug/l	96
46) Methyl methacrylate	7.690	41	254259	101.293	ug/l	99
47) n-amyl Acetate	10.842	43	426497	99.102	ug/l	99
48) t-1,3-Dichloropropene	8.976	75	347499	101.765	ug/l	98
49) cis-1,3-Dichloropropene	8.360	75	370879	101.289	ug/l	99
50) 1,1,2-Trichloroethane	9.147	97	198320	98.117	ug/l	99
51) Ethyl methacrylate	9.116	69	349309	99.647	ug/l	98
52) 1,3-Dichloropropane	9.305	76	345352	98.954	ug/l	99
53) Dibromochloromethane	9.519	129	237742	98.596	ug/l	98
54) 1,2-Dibromoethane	9.604	107	210275	98.575	ug/l	99
55) 2-Chloroethyl vinyl ether	8.238	63	784090	461.586	ug/l	100
56) Bromoform	10.799	173	157528	98.522	ug/l	100
58) 4-Methyl-2-Pentanone	8.574	43	1379048	504.291	ug/l	99
59) 2-Hexanone	9.433	43	1016466	507.718	ug/l	99
61) Tetrachloroethene	9.269	164	167502	107.635	ug/l	98
62) Toluene	8.714	91	874711	102.394	ug/l	99
64) Chlorobenzene	10.073	112	543310	102.407	ug/l	99
65) 1,1,1,2-Tetrachloroethane	10.159	131	193974	101.781	ug/l	100
66) Ethyl Benzene	10.189	91	963283	103.326	ug/l	98
67) m/p-Xylenes	10.299	106	698697	203.888	ug/l	99
68) o-Xylene	10.640	106	346159	100.645	ug/l	100
69) Styrene	10.653	104	571513	101.207	ug/l	99
70) Isopropylbenzene	10.957	105	882679	102.087	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.213	83	290188	99.668	ug/l	98
72) 1,2,3-Trichloropropane	11.238	75	248182m	101.490	ug/l	
73) Bromobenzene	11.195	156	203263	100.912	ug/l	98
74) n-propylbenzene	11.305	91	1025231	104.320	ug/l	100
75) 2-Chlorotoluene	11.360	91	621611	100.627	ug/l	100
76) 1,3,5-Trimethylbenzene	11.451	105	709035	100.977	ug/l	99
77) t-1,4-Dichloro-2-butene	11.018	75	120113	103.824	ug/l	98
78) 4-Chlorotoluene	11.451	91	692856	101.840	ug/l	99
79) tert-butylbenzene	11.713	119	724166	100.390	ug/l	99
80) 1,2,4-Trimethylbenzene	11.750	105	717847	101.327	ug/l	99
81) sec-Butylbenzene	11.890	105	885682	102.823	ug/l	100
82) p-Isopropyltoluene	12.006	119	730972	103.112	ug/l	99
83) 1,3-Dichlorobenzene	11.969	146	371118	103.731	ug/l	99
84) 1,4-Dichlorobenzene	12.036	146	363763	103.715	ug/l	99
85) n-Butylbenzene	12.329	91	664449	108.125	ug/l	99
86) Hexachloroethane	12.536	117	158825	101.842	ug/l	99
87) 1,2-Dichlorobenzene	12.335	146	361432	101.166	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	12.939	75	70386	100.538	ug/l	99
89) 1,2,4-Trichlorobenzene	13.585	180	243086	109.487	ug/l	99
90) Hexachlorobutadiene	13.725	225	89590	104.321	ug/l	96
91) Naphthalene	13.774	128	872913	105.089	ug/l	100
92) 1,2,3-Trichlorobenzene	13.957	180	239785	106.185	ug/l	99

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

