

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012325\
 Data File : VX044709.D
 Acq On : 23 Jan 2025 15:45
 Operator : JC/MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 01/24/2025
 Supervised By :Semsettin Yesilyurt 01/24/2025

Quant Time: Jan 24 03:16:52 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X011625W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Jan 17 01:21:41 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	4.885	128	29215	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.751	114	163040	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.049	117	145037	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.946	65	75740	26.854	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	89.500%#		
60) 4-Bromofluorobenzene	11.079	95	82275	29.206	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	97.367%		
63) Toluene-d8	8.640	98	239205	30.323	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	101.067%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	49713	19.139	ug/l	97
3) Chloromethane	1.294	50	58061	21.249	ug/l	98
4) Vinyl Chloride	1.373	62	57711	21.587	ug/l	98
5) Bromomethane	1.599	94	12862	19.906	ug/l	98
6) Chloroethane	1.666	64	11410m	26.917	ug/l	
7) Trichlorofluoromethane	1.873	101	58604	20.016	ug/l	98
8) Diethyl Ether	2.129	74	19310	17.096	ug/l	95
9) 1,1,2-Trichlorotrifluo...	2.318	101	44948	21.429	ug/l	98
10) 1,1-Dichloroethene	2.312	96	45115	20.907	ug/l	96
11) Methyl Iodide	2.446	142	53177	17.783	ug/l	97
12) Methyl Acetate	2.696	43	60589	19.232	ug/l	93
13) Acrolein	2.233	56	48977	140.577	ug/l	96
14) Acrylonitrile	3.056	53	114757	99.964	ug/l	99
15) Acetone	2.379	58	28726	93.254	ug/l	96
16) Carbon Disulfide	2.501	76	124457	20.753	ug/l	100
17) Allyl chloride	2.654	41	81403	20.918	ug/l	97
18) Methylene Chloride	2.782	84	49609	20.542	ug/l	99
19) trans-1,2-Dichloroethene	3.087	96	45278	21.101	ug/l	94
20) Diisopropyl ether	3.751	45	153504	21.732	ug/l	95
21) 1,1-Dichloroethane	3.599	63	87017	20.767	ug/l	100
22) cis-1,2-Dichloroethene	4.477	96	53974	20.323	ug/l	98
23) tert-Butyl Alcohol	2.965	59	49834m	89.751	ug/l	
24) Methyl tert-Butyl Ether	3.105	73	146291	19.566	ug/l	98
25) Chloroform	5.080	83	84823	20.373	ug/l	99
26) Cyclohexane	5.458	56	79713	22.635	ug/l #	98
29) 1,1-Dichloropropene	5.684	75	58676	20.691	ug/l	97
30) 2-Butanone	4.550	43	147003	94.365	ug/l	99
31) 2,2-Dichloropropane	4.464	77	73159	18.643	ug/l	99
32) 1,1,1-Trichloroethane	5.373	97	72494	19.290	ug/l	98
33) Carbon Tetrachloride	5.665	117	60917	19.215	ug/l	98
34) Benzene	6.025	78	191098	21.121	ug/l	99
35) Methacrylonitrile	4.909	41	32935	18.917	ug/l	99
36) 1,2-Dichloroethane	6.074	62	60197	18.609	ug/l	98
37) Trichloroethene	7.116	130	44448	20.347	ug/l	99
38) Methylcyclohexane	7.372	83	80719	20.949	ug/l	99
39) 1,2-Dichloropropane	7.421	63	47172	20.908	ug/l	98
40) Dibromomethane	7.574	93	31969	19.059	ug/l	99
41) Bromodichloromethane	7.811	83	66106	19.087	ug/l	98
42) Vinyl Acetate	3.708	43	632901	102.301	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	4.702	43	58957	19.293	ug/l	# 97
44) Isopropyl Acetate	6.330	43	104094	18.961	ug/l	98
45) 1,4-Dioxane	7.671	88	18965	362.786	ug/l	98
46) Methyl methacrylate	7.689	41	49561	18.443	ug/l	97
47) n-amyl Acetate	10.841	43	89780	19.487	ug/l	100
48) t-1,3-Dichloropropene	8.976	75	70477	19.279	ug/l	98
49) cis-1,3-Dichloropropene	8.360	75	77425	19.752	ug/l	98
50) 1,1,2-Trichloroethane	9.146	97	44812	20.744	ug/l	98
51) Ethyl methacrylate	9.110	69	74923	19.965	ug/l	99
52) 1,3-Dichloropropane	9.305	76	76846	20.568	ug/l	99
53) Dibromochloromethane	9.518	129	50548	19.582	ug/l	99
54) 1,2-Dibromoethane	9.604	107	45285	19.830	ug/l	99
55) 2-Chloroethyl vinyl ether	8.232	63	173747	95.419	ug/l	98
56) Bromoform	10.799	173	31690	18.514	ug/l	100
58) 4-Methyl-2-Pentanone	8.567	43	297245	97.229	ug/l	99
59) 2-Hexanone	9.427	43	214597	95.881	ug/l	99
61) Tetrachloroethene	9.268	164	35752	20.550	ug/l	99
62) Toluene	8.714	91	198013	20.734	ug/l	99
64) Chlorobenzene	10.073	112	124112	20.925	ug/l	98
65) 1,1,1,2-Tetrachloroethane	10.158	131	42086	19.753	ug/l	99
66) Ethyl Benzene	10.189	91	216447	20.768	ug/l	99
67) m/p-Xylenes	10.299	106	163801	42.756	ug/l	98
68) o-Xylene	10.640	106	80909	21.042	ug/l	98
69) Styrene	10.652	104	133360	21.125	ug/l	99
70) Isopropylbenzene	10.957	105	207325	21.448	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.207	83	65144	20.047	ug/l	100
72) 1,2,3-Trichloropropane	11.238	75	53884m	19.710	ug/l	
73) Bromobenzene	11.195	156	46879	20.818	ug/l	98
74) n-propylbenzene	11.298	91	240569	21.911	ug/l	99
75) 2-Chlorotoluene	11.359	91	147340	21.346	ug/l	100
76) 1,3,5-Trimethylbenzene	11.445	105	170345	21.700	ug/l	99
77) t-1,4-Dichloro-2-butene	11.018	75	22866	17.680	ug/l	96
78) 4-Chlorotoluene	11.451	91	162145	21.319	ug/l	99
79) tert-butylbenzene	11.713	119	173178	21.474	ug/l	98
80) 1,2,4-Trimethylbenzene	11.750	105	170921	21.581	ug/l	100
81) sec-Butylbenzene	11.890	105	212187	22.035	ug/l	98
82) p-Isopropyltoluene	12.006	119	172695	21.790	ug/l	99
83) 1,3-Dichlorobenzene	11.969	146	84559	21.141	ug/l	99
84) 1,4-Dichlorobenzene	12.036	146	83787	21.369	ug/l	98
85) n-Butylbenzene	12.329	91	150767	21.946	ug/l	100
86) Hexachloroethane	12.536	117	34560	19.823	ug/l	99
87) 1,2-Dichlorobenzene	12.335	146	83685	20.952	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	12.945	75	12555	16.041	ug/l	94
89) 1,2,4-Trichlorobenzene	13.585	180	50890	20.503	ug/l	99
90) Hexachlorobutadiene	13.725	225	20045	20.878	ug/l	96
91) Naphthalene	13.774	128	182443	19.647	ug/l	99
92) 1,2,3-Trichlorobenzene	13.957	180	51543	20.417	ug/l	99

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

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