

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011022\
 Data File : VX026395.D
 Acq On : 10 Jan 2022 11:56
 Operator : JC/MD
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

Reviewed By : John Carlone 01/11/2022
 Supervised By : Mahesh Dadoda 01/11/2022

Quant Time: Jan 10 12:44:22 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X011022W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Jan 10 12:35:24 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	4.910	128	20233	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	111414	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	94909	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	48786	25.264	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	84.200%#		
60) 4-Bromofluorobenzene	11.079	95	48031	27.737	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	92.467%		
63) Toluene-d8	8.653	98	131985	30.110	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	100.367%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.173	85	117097	75.577	ug/l	97
3) Chloromethane	1.295	50	98168	120.601	ug/l	98
4) Vinyl Chloride	1.380	62	110144	117.994	ug/l	98
5) Bromomethane	1.618	94	46106	60.161	ug/l	97
6) Chloroethane	1.691	64	62329	118.423	ug/l	97
7) Trichlorofluoromethane	1.892	101	174288	77.362	ug/l	94
8) Diethyl Ether	2.136	74	62964	117.937	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.337	101	106935	90.993	ug/l	98
10) 1,1-Dichloroethene	2.325	96	102461	102.822	ug/l	95
11) Methyl Iodide	2.459	142	121740	117.481	ug/l	99
12) Methyl Acetate	2.703	43	209935	100.267	ug/l	98
13) Acrolein	2.239	56	131276	1376.584	ug/l	97
14) Acrylonitrile	3.069	53	292141	495.384	ug/l	98
15) Acetone	2.386	58	90451	501.992	ug/l	94
16) Carbon Disulfide	2.520	76	284117	111.698	ug/l	99
17) Allyl chloride	2.666	41	199271	125.360	ug/l	97
18) Methylene Chloride	2.794	84	109776	94.114	ug/l	95
19) trans-1,2-Dichloroethene	3.099	96	109748	100.183	ug/l	98
20) Diisopropyl ether	3.764	45	376431	109.463	ug/l	93
21) 1,1-Dichloroethane	3.617	63	209130	91.642	ug/l	99
22) cis-1,2-Dichloroethene	4.495	96	127447	98.045	ug/l	96
23) tert-Butyl Alcohol	3.014	59	104459m	291.277	ug/l	
24) Methyl tert-Butyl Ether	3.117	73	376839	89.468	ug/l	99
25) Chloroform	5.099	83	215790	81.552	ug/l	100
26) Cyclohexane	5.477	56	189126	103.887	ug/l #	98
29) 1,1-Dichloropropene	5.702	75	161158	89.955	ug/l	99
30) 2-Butanone	4.562	43	457809	506.655	ug/l	98
31) 2,2-Dichloropropane	4.483	77	176186	77.422	ug/l	94
32) 1,1,1-Trichloroethane	5.391	97	199013	77.220	ug/l	98
33) Carbon Tetrachloride	5.684	117	176484	78.033	ug/l	99
34) Benzene	6.044	78	444091	97.189	ug/l	97
35) Methacrylonitrile	4.922	41	98709	110.770	ug/l	98
36) 1,2-Dichloroethane	6.092	62	178349	80.552	ug/l	100
37) Trichloroethene	7.129	130	127777	100.052	ug/l	95
38) Methylcyclohexane	7.385	83	190260	98.895	ug/l	96
39) 1,2-Dichloropropane	7.434	63	114105	91.506	ug/l	95
40) Dibromomethane	7.580	93	80429	82.792	ug/l	97
41) Bromodichloromethane	7.824	83	167275	81.098	ug/l	99
42) Vinyl Acetate	3.727	43	1482144	548.229	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	4.715	43	170495	98.441	ug/l	99
44) Isopropyl Acetate	6.342	43	285961	105.557	ug/l	100
45) 1,4-Dioxane	7.684	88	42012	1460.386	ug/l	91
46) Methyl methacrylate	7.696	41	138891	104.870	ug/l	99
47) n-amyl Acetate	10.848	43	218956	100.225	ug/l	99
48) t-1,3-Dichloropropene	8.982	75	176330	79.361	ug/l	98
49) cis-1,3-Dichloropropene	8.366	75	189514	85.446	ug/l	98
50) 1,1,2-Trichloroethane	9.153	97	108455	82.450	ug/l	97
51) Ethyl methacrylate	9.116	69	177590	83.766	ug/l	99
52) 1,3-Dichloropropane	9.311	76	187838	83.569	ug/l	99
53) Dibromochloromethane	9.525	129	121102	80.640	ug/l	98
54) 1,2-Dibromoethane	9.610	107	115564	78.654	ug/l	100
55) 2-Chloroethyl vinyl ether	8.245	63	486819	516.018	ug/l	98
56) Bromoform	10.799	173	82621	82.865	ug/l	100
58) 4-Methyl-2-Pentanone	8.580	43	806940	504.355	ug/l	99
59) 2-Hexanone	9.433	43	625466	508.774	ug/l	99
61) Tetrachloroethene	9.275	164	128440	115.491	ug/l	98
62) Toluene	8.720	91	465786	95.944	ug/l	99
64) Chlorobenzene	10.080	112	283063	96.533	ug/l	99
65) 1,1,1,2-Tetrachloroethane	10.165	131	110749	84.545	ug/l	98
66) Ethyl Benzene	10.195	91	521472	90.842	ug/l	100
67) m/p-Xylenes	10.305	106	388236	196.690	ug/l	97
68) o-Xylene	10.647	106	189186	98.149	ug/l	97
69) Styrene	10.659	104	319040	97.433	ug/l	98
70) Isopropylbenzene	10.964	105	507589	90.635	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.213	83	138513	74.925	ug/l	100
72) 1,2,3-Trichloropropane	11.238	75	141418m	78.979	ug/l	
73) Bromobenzene	11.201	156	117819	94.149	ug/l	93
74) n-propylbenzene	11.305	91	586072	88.241	ug/l	100
75) 2-Chlorotoluene	11.366	91	351013	84.332	ug/l	97
76) 1,3,5-Trimethylbenzene	11.451	105	419045	85.796	ug/l	99
77) t-1,4-Dichloro-2-butene	11.018	75	47579	78.920	ug/l	99
78) 4-Chlorotoluene	11.457	91	399547	84.105	ug/l	97
79) tert-butylbenzene	11.713	119	388508	84.426	ug/l	96
80) 1,2,4-Trimethylbenzene	11.750	105	414449	86.288	ug/l	99
81) sec-Butylbenzene	11.890	105	513078	89.617	ug/l	100
82) p-Isopropyltoluene	12.012	119	434588	91.517	ug/l	99
83) 1,3-Dichlorobenzene	11.969	146	219090	94.148	ug/l	98
84) 1,4-Dichlorobenzene	12.043	146	220850	95.299	ug/l	98
85) n-Butylbenzene	12.335	91	384337	88.741	ug/l	98
86) Hexachloroethane	12.543	117	69818	82.469	ug/l	97
87) 1,2-Dichlorobenzene	12.335	146	210508	91.877	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	12.945	75	38182	75.510	ug/l	96
89) 1,2,4-Trichlorobenzene	13.591	180	140280	101.072	ug/l	98
90) Hexachlorobutadiene	13.725	225	59224	84.454	ug/l	100
91) Naphthalene	13.780	128	487739	102.827	ug/l	99
92) 1,2,3-Trichlorobenzene	13.963	180	139639	98.638	ug/l	98

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

