

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031221\
 Data File : VX021185.D
 Acq On : 12 Mar 2021 16:56
 Operator : JC/MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

Manual Integrations
 APPROVED

MMDadoda
 3/15/2021 3:18:54 PM

Quant Time: Mar 13 01:07:48 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X031221W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Mar 12 12:55:27 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	4.982	128	14792	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.829	114	82817	30.00	ug/l	# 0.00
57) Chlorobenzene-d5	10.094	117	75604	30.00	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	6.035	65	41333	30.36	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	101.20%		
60) 4-Bromofluorobenzene	11.118	95	40437	29.25	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	97.50%		
63) Toluene-d8	8.694	98	105614	30.79	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	102.63%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.187	85	17930	18.47	ug/l	99
3) Chloromethane	1.317	50	18394	18.21	ug/l	99
4) Vinyl Chloride	1.393	62	18480	18.30	ug/l	97
5) Bromomethane	1.628	94	11868	19.80	ug/l	98
6) Chloroethane	1.711	64	11294	18.11	ug/l	98
7) Trichlorofluoromethane	1.917	101	28336	18.00	ug/l	100
8) Diethyl Ether	2.170	74	9914	18.68	ug/l	79
9) 1,1,2-Trichlorotrifluo...	2.364	101	15651	18.46	ug/l	95
10) 1,1-Dichloroethene	2.358	96	15110	18.43	ug/l	89
11) Methyl Iodide	2.493	142	18367	16.93	ug/l	88
12) Methyl Acetate	2.752	43	28771	20.79	ug/l #	87
13) Acrolein	2.275	56	15416	87.98	ug/l	97
14) Acrylonitrile	3.117	53	51810	99.58	ug/l	98
15) Acetone	2.423	58	13631	97.84	ug/l #	66
16) Carbon Disulfide	2.552	76	43287	17.98	ug/l	98
17) Allyl chloride	2.705	41	32267	18.53	ug/l	87
18) Methylene Chloride	2.834	84	20248	20.35	ug/l #	84
19) trans-1,2-Dichloroethene	3.146	96	16874	18.54	ug/l	87
20) Diisopropyl ether	3.829	45	64087	18.90	ug/l #	96
21) 1,1-Dichloroethane	3.670	63	33312	18.42	ug/l	96
22) cis-1,2-Dichloroethene	4.558	96	19786	18.70	ug/l	89
23) tert-Butyl Alcohol	3.017	59	21166	91.59	ug/l #	100
24) Methyl tert-Butyl Ether	3.170	73	59530	19.02	ug/l #	84
25) Chloroform	5.182	83	35788	18.99	ug/l	100
26) Cyclohexane	5.546	56	29839	18.59	ug/l #	54
29) 1,1-Dichloropropene	5.770	75	25142	18.21	ug/l	96
30) 2-Butanone	4.635	43	77323	100.22	ug/l	92
31) 2,2-Dichloropropane	4.552	77	27918	18.01	ug/l	96
32) 1,1,1-Trichloroethane	5.464	97	30722	18.24	ug/l	94
33) Carbon Tetrachloride	5.752	117	26677	18.06	ug/l	97
34) Benzene	6.111	78	72754	18.39	ug/l #	97
35) Methacrylonitrile	4.999	41	16667	19.00	ug/l	92
36) 1,2-Dichloroethane	6.164	62	31510	18.46	ug/l #	93
37) Trichloroethene	7.188	130	19162	18.49	ug/l	98
38) Methylcyclohexane	7.441	83	28308	18.14	ug/l	91
39) 1,2-Dichloropropane	7.488	63	19293	17.99	ug/l	99
40) Dibromomethane	7.635	93	13715	18.05	ug/l	90
41) Bromodichloromethane	7.876	83	28674	18.05	ug/l	97
42) Vinyl Acetate	3.787	43	269604	92.36	ug/l #	92

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	4.793	43	29545	19.19	ug/l	99
44) Isopropyl Acetate	6.411	43	48540	18.94	ug/l #	90
45) 1,4-Dioxane	7.717	88	8721	364.90	ug/l #	84
46) Methyl methacrylate	7.747	41	26135	19.01	ug/l	80
47) n-amyl Acetate	10.882	43	40597	18.14	ug/l	93
48) t-1,3-Dichloropropene	9.023	75	29136	17.84	ug/l	100
49) cis-1,3-Dichloropropene	8.412	75	31559	18.15	ug/l #	85
50) 1,1,2-Trichloroethane	9.194	97	18549	18.26	ug/l	96
51) Ethyl methacrylate	9.159	69	29421m	18.27	ug/l	
52) 1,3-Dichloropropane	9.353	76	32310	18.29	ug/l	99
53) Dibromochloromethane	9.565	129	20598	17.55	ug/l	97
54) 1,2-Dibromoethane	9.653	107	19866	18.49	ug/l	99
55) 2-Chloroethyl vinyl ether	8.288	63	80349	94.88	ug/l	96
56) Bromoform	10.841	173	14335	17.29	ug/l	98
58) 4-Methyl-2-Pentanone	8.617	43	156151	102.01	ug/l #	88
59) 2-Hexanone	9.471	43	116480	100.97	ug/l	87
61) Tetrachloroethene	9.318	164	18821	19.21	ug/l	97
62) Toluene	8.765	91	77864	18.58	ug/l	100
64) Chlorobenzene	10.124	112	46969	18.14	ug/l	99
65) 1,1,1,2-Tetrachloroethane	10.206	131	18074	18.38	ug/l	97
66) Ethyl Benzene	10.235	91	90590	18.80	ug/l	97
67) m/p-Xylenes	10.341	106	63322	36.49	ug/l	93
68) o-Xylene	10.682	106	30454	18.13	ug/l	87
69) Styrene	10.694	104	51297	18.00	ug/l	93
70) Isopropylbenzene	11.000	105	83568	18.19	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.253	83	26975	18.52	ug/l	100
72) 1,2,3-Trichloropropane	11.277	75	28044m	18.91	ug/l	
73) Bromobenzene	11.241	156	19240	17.67	ug/l	87
74) n-propylbenzene	11.341	91	97518	17.88	ug/l	97
75) 2-Chlorotoluene	11.406	91	58598	17.84	ug/l	98
76) 1,3,5-Trimethylbenzene	11.488	105	69084	17.68	ug/l	98
77) t-1,4-Dichloro-2-butene	11.059	75	8152	16.74	ug/l	82
78) 4-Chlorotoluene	11.494	91	67597	17.67	ug/l	97
79) tert-butylbenzene	11.753	119	63540	17.56	ug/l	91
80) 1,2,4-Trimethylbenzene	11.788	105	70528	17.97	ug/l	97
81) sec-Butylbenzene	11.930	105	78635	18.03	ug/l	98
82) p-Isopropyltoluene	12.047	119	70345	17.76	ug/l	96
83) 1,3-Dichlorobenzene	12.006	146	33694	17.29	ug/l	97
84) 1,4-Dichlorobenzene	12.083	146	33463	17.12	ug/l	97
85) n-Butylbenzene	12.371	91	63362	17.26	ug/l	97
86) Hexachloroethane	12.577	117	12281	16.80	ug/l	91
87) 1,2-Dichlorobenzene	12.377	146	32722	17.14	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	12.983	75	6681	18.42	ug/l #	80
89) 1,2,4-Trichlorobenzene	13.630	180	20762	17.28	ug/l	96
90) Hexachlorobutadiene	13.765	225	9047	17.29	ug/l	99
91) Naphthalene	13.818	128	71770	18.48	ug/l	100
92) 1,2,3-Trichlorobenzene	14.001	180	19966	17.08	ug/l	98

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

