

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031921\
 Data File : VX021291.D
 Acq On : 18 Mar 2021 20:50
 Operator : JC/MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

Quant Time: Mar 19 02:54:44 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	4.976	128	16403	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.829	114	91834	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.094	117	84978	30.00	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	6.035	65	45384	30.06	ug/l	0.00
Spiked Amount 30.000	Range	91 - 110	Recovery	= 100.20%		
60) 4-Bromofluorobenzene	11.118	95	46011	29.61	ug/l	0.00
Spiked Amount 30.000	Range	63 - 112	Recovery	= 98.70%		
63) Toluene-d8	8.694	98	115922	30.07	ug/l	0.00
Spiked Amount 30.000	Range	91 - 112	Recovery	= 100.23%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.187	85	19249	17.88	ug/l	97
3) Chloromethane	1.311	50	27145	24.23	ug/l	98
4) Vinyl Chloride	1.393	62	21088	18.84	ug/l	99
5) Bromomethane	1.622	94	9346	14.06	ug/l	99
6) Chloroethane	1.705	64	12836	18.56	ug/l	99
7) Trichlorofluoromethane	1.911	101	32481	18.61	ug/l	99
8) Diethyl Ether	2.170	74	11202	19.04	ug/l	79
9) 1,1,2-Trichlorotrifluo...	2.364	101	17336	18.44	ug/l	98
10) 1,1-Dichloroethene	2.352	96	17743	19.52	ug/l	88
11) Methyl Iodide	2.487	142	10744	8.93	ug/l	96
12) Methyl Acetate	2.752	43	33434	21.79	ug/l #	88
13) Acrolein	2.270	56	22943	118.07	ug/l	98
14) Acrylonitrile	3.117	53	60097	104.16	ug/l	98
15) Acetone	2.422	58	15759	102.01	ug/l	75
16) Carbon Disulfide	2.552	76	48092	18.02	ug/l	98
17) Allyl chloride	2.705	41	34934	18.09	ug/l	90
18) Methylene Chloride	2.834	84	21446	19.43	ug/l #	88
19) trans-1,2-Dichloroethene	3.140	96	19048	18.87	ug/l	88
20) Diisopropyl ether	3.823	45	71441	19.00	ug/l	91
21) 1,1-Dichloroethane	3.670	63	38093	19.00	ug/l	97
22) cis-1,2-Dichloroethene	4.564	96	22601	19.26	ug/l	91
23) tert-Butyl Alcohol	3.017	59	23898	93.25	ug/l #	100
24) Methyl tert-Butyl Ether	3.170	73	68100	19.62	ug/l #	87
25) Chloroform	5.170	83	40037	19.16	ug/l	96
26) Cyclohexane	5.546	56	32212	18.09	ug/l #	90
29) 1,1-Dichloropropene	5.770	75	28640	18.71	ug/l	97
30) 2-Butanone	4.635	43	86969	101.65	ug/l	92
31) 2,2-Dichloropropane	4.552	77	29807	17.34	ug/l	98
32) 1,1,1-Trichloroethane	5.458	97	35380	18.95	ug/l	96
33) Carbon Tetrachloride	5.752	117	30112	18.39	ug/l	94
34) Benzene	6.111	78	82925	18.91	ug/l	99
35) Methacrylonitrile	4.999	41	18931	19.47	ug/l	90
36) 1,2-Dichloroethane	6.158	62	36323	19.19	ug/l #	93
37) Trichloroethene	7.188	130	21328	18.56	ug/l	97
38) Methylcyclohexane	7.441	83	30925	17.87	ug/l	91
39) 1,2-Dichloropropane	7.488	63	22568	18.97	ug/l	100
40) Dibromomethane	7.635	93	16333	19.38	ug/l	90
41) Bromodichloromethane	7.876	83	32317	18.35	ug/l	99
42) Vinyl Acetate	3.781	43	307458	94.98	ug/l #	92

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	4.793	43	33092	19.39	ug/l	99
44) Isopropyl Acetate	6.411	43	55764	19.62	ug/l #	90
45) 1,4-Dioxane	7.711	88	9861	372.08	ug/l #	88
46) Methyl methacrylate	7.747	41	29986	19.67	ug/l	85
47) n-amyl Acetate	10.877	43	49141	19.80	ug/l	92
48) t-1,3-Dichloropropene	9.023	75	32807	18.12	ug/l	99
49) cis-1,3-Dichloropropene	8.412	75	34620	17.95	ug/l #	82
50) 1,1,2-Trichloroethane	9.194	97	21858	19.41	ug/l	98
51) Ethyl methacrylate	9.159	69	34547	19.35	ug/l	78
52) 1,3-Dichloropropane	9.353	76	36980	18.88	ug/l	100
53) Dibromochloromethane	9.565	129	23816	18.30	ug/l	97
54) 1,2-Dibromoethane	9.653	107	23069	19.37	ug/l	96
55) 2-Chloroethyl vinyl ether	8.288	63	93307	99.36	ug/l	96
56) Bromoform	10.841	173	16245	17.67	ug/l	95
58) 4-Methyl-2-Pentanone	8.617	43	175722	102.13	ug/l #	89
59) 2-Hexanone	9.470	43	133669	103.09	ug/l	88
61) Tetrachloroethene	9.318	164	19207	17.44	ug/l	97
62) Toluene	8.765	91	90145	19.14	ug/l	98
64) Chlorobenzene	10.118	112	55113	18.93	ug/l	97
65) 1,1,1,2-Tetrachloroethane	10.206	131	21076	19.07	ug/l	99
66) Ethyl Benzene	10.235	91	103437	19.09	ug/l	98
67) m/p-Xylenes	10.341	106	74411	38.15	ug/l	93
68) o-Xylene	10.682	106	35894	19.01	ug/l	88
69) Styrene	10.694	104	61571	19.22	ug/l	93
70) Isopropylbenzene	11.000	105	98414	19.06	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.253	83	34659	21.17	ug/l	99
72) 1,2,3-Trichloropropane	11.277	75	33997m	20.40	ug/l	
73) Bromobenzene	11.235	156	23931	19.56	ug/l	93
74) n-propylbenzene	11.341	91	116586	19.02	ug/l	98
75) 2-Chlorotoluene	11.406	91	70956	19.22	ug/l	97
76) 1,3,5-Trimethylbenzene	11.488	105	86727	19.75	ug/l	97
77) t-1,4-Dichloro-2-butene	11.059	75	9567	17.48	ug/l	78
78) 4-Chlorotoluene	11.494	91	82205	19.12	ug/l	98
79) tert-butylbenzene	11.753	119	78964	19.41	ug/l	92
80) 1,2,4-Trimethylbenzene	11.788	105	86507	19.61	ug/l	98
81) sec-Butylbenzene	11.930	105	95689	19.52	ug/l	100
82) p-Isopropyltoluene	12.047	119	86352	19.40	ug/l	97
83) 1,3-Dichlorobenzene	12.006	146	42398	19.36	ug/l	98
84) 1,4-Dichlorobenzene	12.083	146	43114	19.62	ug/l	98
85) n-Butylbenzene	12.371	91	77461	18.77	ug/l	98
86) Hexachloroethane	12.577	117	14264	17.36	ug/l	92
87) 1,2-Dichlorobenzene	12.377	146	42041	19.59	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	12.983	75	8365	20.52	ug/l #	81
89) 1,2,4-Trichlorobenzene	13.630	180	25736	19.05	ug/l	99
90) Hexachlorobutadiene	13.765	225	10873	18.49	ug/l	98
91) Naphthalene	13.818	128	91707	21.01	ug/l	99
92) 1,2,3-Trichlorobenzene	14.000	180	26973	20.53	ug/l	98

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

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