

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031921\
 Data File : VX021282.D
 Acq On : 18 Mar 2021 16:55
 Operator : JC/MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

Quant Time: Mar 19 02:51:11 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	16961	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.829	114	99644	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.094	117	91780	30.00	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	6.029	65	47858	30.66	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	= 102.20%	
60) 4-Bromofluorobenzene	11.118	95	48844	29.11	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	= 97.03%	
63) Toluene-d8	8.694	98	122853	29.50	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	= 98.33%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.187	85	23567	21.17	ug/l	99
3) Chloromethane	1.311	50	33031	28.51	ug/l	95
4) Vinyl Chloride	1.393	62	23180	20.02	ug/l	97
5) Bromomethane	1.622	94	11861	17.26	ug/l	97
6) Chloroethane	1.699	64	14504	20.29	ug/l	94
7) Trichlorofluoromethane	1.905	101	37826	20.95	ug/l	99
8) Diethyl Ether	2.170	74	12903	21.21	ug/l	73
9) 1,1,2-Trichlorotrifluo...	2.358	101	21327	21.93	ug/l	98
10) 1,1-Dichloroethene	2.352	96	20129	21.41	ug/l	88
11) Methyl Iodide	2.487	142	15444	12.42	ug/l	88
12) Methyl Acetate	2.746	43	36047	22.72	ug/l #	87
13) Acrolein	2.270	56	23354	116.23	ug/l	99
14) Acrylonitrile	3.117	53	65365	109.57	ug/l	98
15) Acetone	2.423	58	15213	95.23	ug/l #	55
16) Carbon Disulfide	2.546	76	56032	20.30	ug/l	99
17) Allyl chloride	2.705	41	41148	20.60	ug/l	89
18) Methylene Chloride	2.829	84	24653	21.60	ug/l #	89
19) trans-1,2-Dichloroethene	3.140	96	22101	21.18	ug/l	88
20) Diisopropyl ether	3.823	45	81772	21.03	ug/l #	94
21) 1,1-Dichloroethane	3.664	63	43785	21.12	ug/l	95
22) cis-1,2-Dichloroethene	4.558	96	25829	21.29	ug/l	88
23) tert-Butyl Alcohol	3.017	59	26902	101.52	ug/l #	100
24) Methyl tert-Butyl Ether	3.164	73	78691	21.92	ug/l #	86
25) Chloroform	5.170	83	46316	21.43	ug/l	99
26) Cyclohexane	5.541	56	38972	21.17	ug/l #	89
29) 1,1-Dichloropropene	5.764	75	32981	19.85	ug/l	97
30) 2-Butanone	4.635	43	91968	99.07	ug/l	93
31) 2,2-Dichloropropane	4.546	77	38241	20.50	ug/l	96
32) 1,1,1-Trichloroethane	5.458	97	40203	19.84	ug/l	95
33) Carbon Tetrachloride	5.752	117	35160	19.79	ug/l	99
34) Benzene	6.105	78	94469	19.85	ug/l	98
35) Methacrylonitrile	4.993	41	21567	20.44	ug/l	91
36) 1,2-Dichloroethane	6.158	62	41185	20.05	ug/l #	93
37) Trichloroethene	7.188	130	23961	19.21	ug/l	94
38) Methylcyclohexane	7.435	83	39435	21.01	ug/l	92
39) 1,2-Dichloropropane	7.488	63	25375	19.66	ug/l	99
40) Dibromomethane	7.635	93	18272	19.99	ug/l	90
41) Bromodichloromethane	7.870	83	38228	20.00	ug/l	98
42) Vinyl Acetate	3.782	43	347003	98.80	ug/l #	92

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	4.793	43	35983	19.43	ug/l	99
44) Isopropyl Acetate	6.411	43	62732	20.34	ug/l	91
45) 1,4-Dioxane	7.717	88	11678	406.11	ug/l #	88
46) Methyl methacrylate	7.741	41	32885	19.89	ug/l	83
47) n-amyl Acetate	10.877	43	53076	19.71	ug/l	94
48) t-1,3-Dichloropropene	9.018	75	38856	19.78	ug/l	99
49) cis-1,3-Dichloropropene	8.412	75	41467	19.82	ug/l #	85
50) 1,1,2-Trichloroethane	9.194	97	24023	19.66	ug/l	97
51) Ethyl methacrylate	9.159	69	38325m	19.78	ug/l	
52) 1,3-Dichloropropane	9.353	76	42527	20.01	ug/l	98
53) Dibromochloromethane	9.565	129	27017	19.13	ug/l	98
54) 1,2-Dibromoethane	9.653	107	25781	19.95	ug/l	95
55) 2-Chloroethyl vinyl ether	8.288	63	95637	93.86	ug/l	97
56) Bromoform	10.841	173	19032	19.08	ug/l	99
58) 4-Methyl-2-Pentanone	8.617	43	192903	103.81	ug/l #	89
59) 2-Hexanone	9.471	43	142581	101.81	ug/l	88
61) Tetrachloroethene	9.318	164	22247	18.71	ug/l	98
62) Toluene	8.765	91	103521	20.35	ug/l	98
64) Chlorobenzene	10.118	112	62539	19.89	ug/l	100
65) 1,1,1,2-Tetrachloroethane	10.206	131	24147	20.23	ug/l	100
66) Ethyl Benzene	10.235	91	118115	20.19	ug/l	96
67) m/p-Xylenes	10.341	106	84919	40.32	ug/l	94
68) o-Xylene	10.682	106	40757	19.99	ug/l	89
69) Styrene	10.694	104	68005	19.66	ug/l	93
70) Isopropylbenzene	11.000	105	112328	20.15	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.253	83	37389	21.14	ug/l	99
72) 1,2,3-Trichloropropane	11.277	75	36568m	20.31	ug/l	
73) Bromobenzene	11.235	156	26815	20.29	ug/l	93
74) n-propylbenzene	11.341	91	135062	20.40	ug/l	97
75) 2-Chlorotoluene	11.400	91	79958	20.05	ug/l	97
76) 1,3,5-Trimethylbenzene	11.488	105	95924	20.22	ug/l	99
77) t-1,4-Dichloro-2-butene	11.059	75	11467	19.40	ug/l	86
78) 4-Chlorotoluene	11.494	91	93907	20.23	ug/l	96
79) tert-butylbenzene	11.753	119	90324	20.56	ug/l	93
80) 1,2,4-Trimethylbenzene	11.789	105	97040	20.37	ug/l	97
81) sec-Butylbenzene	11.930	105	108785	20.55	ug/l	99
82) p-Isopropyltoluene	12.047	119	98226	20.43	ug/l	97
83) 1,3-Dichlorobenzene	12.012	146	48400	20.46	ug/l	97
84) 1,4-Dichlorobenzene	12.083	146	48642	20.50	ug/l	97
85) n-Butylbenzene	12.371	91	91822	20.60	ug/l	96
86) Hexachloroethane	12.583	117	17058	19.22	ug/l	92
87) 1,2-Dichlorobenzene	12.377	146	47816	20.63	ug/l	97
88) 1,2-Dibromo-3-Chloropr...	12.983	75	9309	21.15	ug/l #	80
89) 1,2,4-Trichlorobenzene	13.630	180	30304	20.77	ug/l	96
90) Hexachlorobutadiene	13.765	225	13636	21.47	ug/l	98
91) Naphthalene	13.818	128	104639	22.19	ug/l	99
92) 1,2,3-Trichlorobenzene	14.001	180	29787	20.99	ug/l	96

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

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