

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031921\
 Data File : VX021284.D
 Acq On : 18 Mar 2021 17:44
 Operator : JC/MD
 Sample : VX0319WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0319WBS01

Quant Time: Mar 19 02:52:05 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	4.987	128	15689	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.829	114	87076	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.094	117	79074	30.00	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	6.034	65	43562	30.17	ug/l	0.00
Spiked Amount 30.000	Range	91 - 110	Recovery	=	100.57%	
60) 4-Bromofluorobenzene	11.117	95	42393	29.32	ug/l	0.00
Spiked Amount 30.000	Range	63 - 112	Recovery	=	97.73%	
63) Toluene-d8	8.694	98	109610	30.55	ug/l	0.00
Spiked Amount 30.000	Range	91 - 112	Recovery	=	101.83%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.187	85	19603	19.03	ug/l	96
3) Chloromethane	1.316	50	27196	25.38	ug/l	99
4) Vinyl Chloride	1.393	62	19642	18.34	ug/l	97
5) Bromomethane	1.628	94	10687	16.81	ug/l	96
6) Chloroethane	1.710	64	12531	18.95	ug/l	97
7) Trichlorofluoromethane	1.916	101	31501	18.86	ug/l	97
8) Diethyl Ether	2.169	74	10837	19.26	ug/l	77
9) 1,1,2-Trichlorotrifluo...	2.363	101	17555	19.52	ug/l	97
10) 1,1-Dichloroethene	2.352	96	16472	18.94	ug/l	84
11) Methyl Iodide	2.493	142	13627	11.84	ug/l	87
12) Methyl Acetate	2.752	43	32165	21.91	ug/l #	87
13) Acrolein	2.275	56	21658	116.53	ug/l	97
14) Acrylonitrile	3.116	53	58036	105.17	ug/l	98
15) Acetone	2.422	58	14868	100.62	ug/l #	61
16) Carbon Disulfide	2.552	76	46755	18.31	ug/l	100
17) Allyl chloride	2.711	41	35300	19.11	ug/l	89
18) Methylene Chloride	2.834	84	20596	19.51	ug/l #	89
19) trans-1,2-Dichloroethene	3.140	96	18926	19.61	ug/l	90
20) Diisopropyl ether	3.828	45	68707	19.10	ug/l	95
21) 1,1-Dichloroethane	3.669	63	37015	19.30	ug/l	96
22) cis-1,2-Dichloroethene	4.564	96	21756	19.39	ug/l	87
23) tert-Butyl Alcohol	3.016	59	24128	98.43	ug/l #	100
24) Methyl tert-Butyl Ether	3.169	73	66412	20.00	ug/l #	85
25) Chloroform	5.176	83	38850	19.44	ug/l	99
26) Cyclohexane	5.552	56	32497	19.08	ug/l #	88
29) 1,1-Dichloropropene	5.770	75	27800	19.15	ug/l	97
30) 2-Butanone	4.634	43	83915	103.44	ug/l	92
31) 2,2-Dichloropropane	4.552	77	31363	19.24	ug/l	98
32) 1,1,1-Trichloroethane	5.464	97	34466	19.47	ug/l	96
33) Carbon Tetrachloride	5.752	117	30505	19.64	ug/l	92
34) Benzene	6.111	78	80425	19.34	ug/l #	94
35) Methacrylonitrile	4.999	41	18507	20.07	ug/l	91
36) 1,2-Dichloroethane	6.164	62	35293	19.66	ug/l #	87
37) Trichloroethene	7.188	130	20450	18.76	ug/l	95
38) Methylcyclohexane	7.441	83	32183	19.62	ug/l	92
39) 1,2-Dichloropropane	7.488	63	21400	18.97	ug/l	95
40) Dibromomethane	7.641	93	15944	19.96	ug/l	89
41) Bromodichloromethane	7.876	83	31887	19.09	ug/l	100
42) Vinyl Acetate	3.787	43	300217	97.81	ug/l #	92

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	4.793	43	33218	20.52	ug/l	98
44) Isopropyl Acetate	6.411	43	53453	19.84	ug/l	91
45) 1,4-Dioxane	7.711	88	10240	407.50	ug/l #	89
46) Methyl methacrylate	7.746	41	28952	20.03	ug/l	86
47) n-amyl Acetate	10.882	43	45789	19.46	ug/l	92
48) t-1,3-Dichloropropene	9.023	75	32280	18.80	ug/l	98
49) cis-1,3-Dichloropropene	8.417	75	34503	18.87	ug/l #	82
50) 1,1,2-Trichloroethane	9.194	97	20540	19.23	ug/l	94
51) Ethyl methacrylate	9.158	69	32797	19.37	ug/l #	78
52) 1,3-Dichloropropane	9.353	76	36044	19.40	ug/l	99
53) Dibromochloromethane	9.564	129	23265	18.85	ug/l	98
54) 1,2-Dibromoethane	9.653	107	22089	19.56	ug/l	97
55) 2-Chloroethyl vinyl ether	8.288	63	88292	99.16	ug/l	96
56) Bromoform	10.841	173	16232	18.62	ug/l	98
58) 4-Methyl-2-Pentanone	8.617	43	172052	107.46	ug/l #	89
59) 2-Hexanone	9.470	43	129107	107.01	ug/l	87
61) Tetrachloroethene	9.317	164	18452	18.01	ug/l	99
62) Toluene	8.764	91	86887	19.82	ug/l	99
64) Chlorobenzene	10.123	112	53380	19.71	ug/l	98
65) 1,1,1,2-Tetrachloroethane	10.206	131	20748	20.17	ug/l	98
66) Ethyl Benzene	10.235	91	98807	19.60	ug/l	100
67) m/p-Xylenes	10.341	106	70906	39.07	ug/l	95
68) o-Xylene	10.682	106	34429	19.60	ug/l	92
69) Styrene	10.694	104	58505	19.63	ug/l	94
70) Isopropylbenzene	11.000	105	95733	19.93	ug/l	98
71) 1,1,2,2-Tetrachloroethane	11.253	83	32448	21.30	ug/l	99
72) 1,2,3-Trichloropropane	11.276	75	32070m	20.68	ug/l	
73) Bromobenzene	11.235	156	22420	19.69	ug/l	90
74) n-propylbenzene	11.341	91	111615	19.56	ug/l	98
75) 2-Chlorotoluene	11.406	91	66341	19.31	ug/l	98
76) 1,3,5-Trimethylbenzene	11.488	105	81183	19.87	ug/l	98
77) t-1,4-Dichloro-2-butene	11.059	75	9940	19.51	ug/l	83
78) 4-Chlorotoluene	11.494	91	78366	19.59	ug/l	98
79) tert-butylbenzene	11.753	119	75421	19.92	ug/l	93
80) 1,2,4-Trimethylbenzene	11.788	105	80145	19.53	ug/l	98
81) sec-Butylbenzene	11.929	105	89603	19.65	ug/l	99
82) p-Isopropyltoluene	12.047	119	83027	20.04	ug/l	95
83) 1,3-Dichlorobenzene	12.012	146	39999	19.63	ug/l	98
84) 1,4-Dichlorobenzene	12.082	146	39939	19.54	ug/l	97
85) n-Butylbenzene	12.371	91	74993	19.53	ug/l	96
86) Hexachloroethane	12.576	117	14239	18.62	ug/l	92
87) 1,2-Dichlorobenzene	12.376	146	40198	20.13	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	12.982	75	8460	22.31	ug/l #	77
89) 1,2,4-Trichlorobenzene	13.630	180	25566	20.34	ug/l	95
90) Hexachlorobutadiene	13.765	225	11158	20.39	ug/l	98
91) Naphthalene	13.818	128	91035	22.41	ug/l	100
92) 1,2,3-Trichlorobenzene	14.000	180	27174	22.22	ug/l	95

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

