

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031921\
 Data File : VX021285.D
 Acq On : 18 Mar 2021 18:07
 Operator : JC/MD
 Sample : VX0319WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0319WBSD01

Quant Time: Mar 19 02:52:38 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	15943	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.829	114	90411	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.094	117	83783	30.00	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	6.035	65	44470	30.30	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	101.00%
60) 4-Bromofluorobenzene	11.118	95	45793	29.89	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	99.63%
63) Toluene-d8	8.694	98	114103	30.02	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	100.07%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.187	85	20580	19.67	ug/l	100
3) Chloromethane	1.311	50	28974	26.61	ug/l	99
4) Vinyl Chloride	1.393	62	20845	19.16	ug/l	99
5) Bromomethane	1.622	94	11248	17.41	ug/l	97
6) Chloroethane	1.711	64	13043	19.41	ug/l	93
7) Trichlorofluoromethane	1.917	101	34205	20.16	ug/l	97
8) Diethyl Ether	2.170	74	11379	19.90	ug/l	77
9) 1,1,2-Trichlorotrifluo...	2.364	101	18364	20.09	ug/l	96
10) 1,1-Dichloroethene	2.352	96	17930	20.29	ug/l	86
11) Methyl Iodide	2.493	142	15068	12.89	ug/l	93
12) Methyl Acetate	2.752	43	32386	21.71	ug/l #	89
13) Acrolein	2.275	56	22620	119.77	ug/l	100
14) Acrylonitrile	3.117	53	59524	106.15	ug/l	98
15) Acetone	2.422	58	15555	103.59	ug/l	76
16) Carbon Disulfide	2.552	76	49298	19.00	ug/l	98
17) Allyl chloride	2.705	41	36588	19.49	ug/l	87
18) Methylene Chloride	2.834	84	21278	19.84	ug/l #	83
19) trans-1,2-Dichloroethene	3.146	96	19868	20.26	ug/l	90
20) Diisopropyl ether	3.829	45	74460	20.37	ug/l	94
21) 1,1-Dichloroethane	3.670	63	38943	19.98	ug/l	98
22) cis-1,2-Dichloroethene	4.564	96	23144	20.30	ug/l	90
23) tert-Butyl Alcohol	3.017	59	25138	100.92	ug/l #	100
24) Methyl tert-Butyl Ether	3.170	73	69092	20.48	ug/l #	84
25) Chloroform	5.176	83	41249	20.31	ug/l	99
26) Cyclohexane	5.546	56	33734	19.50	ug/l #	91
29) 1,1-Dichloropropene	5.776	75	28814	19.11	ug/l	97
30) 2-Butanone	4.635	43	86262	102.41	ug/l #	87
31) 2,2-Dichloropropane	4.546	77	32758	19.36	ug/l	96
32) 1,1,1-Trichloroethane	5.464	97	36115	19.64	ug/l	95
33) Carbon Tetrachloride	5.758	117	31975	19.83	ug/l	100
34) Benzene	6.111	78	85280	19.75	ug/l	99
35) Methacrylonitrile	4.999	41	19088	19.94	ug/l	89
36) 1,2-Dichloroethane	6.164	62	36851	19.77	ug/l #	93
37) Trichloroethene	7.188	130	21367	18.88	ug/l	93
38) Methylcyclohexane	7.441	83	32729	19.21	ug/l	91
39) 1,2-Dichloropropane	7.488	63	22441	19.16	ug/l	95
40) Dibromomethane	7.635	93	16110	19.42	ug/l	93
41) Bromodichloromethane	7.876	83	33619	19.39	ug/l	99
42) Vinyl Acetate	3.781	43	313010	98.22	ug/l #	92

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	4.799	43	34031	20.25	ug/l	99
44) Isopropyl Acetate	6.411	43	55279	19.76	ug/l	92
45) 1,4-Dioxane	7.711	88	11144	427.11	ug/l #	86
46) Methyl methacrylate	7.747	41	29891	19.92	ug/l	81
47) n-amyl Acetate	10.882	43	49720	20.35	ug/l	92
48) t-1,3-Dichloropropene	9.023	75	34023	19.09	ug/l	98
49) cis-1,3-Dichloropropene	8.417	75	36868	19.42	ug/l #	87
50) 1,1,2-Trichloroethane	9.194	97	22159	19.98	ug/l	94
51) Ethyl methacrylate	9.159	69	34851	19.83	ug/l #	72
52) 1,3-Dichloropropane	9.353	76	38787	20.11	ug/l	98
53) Dibromochloromethane	9.565	129	24982	19.50	ug/l	99
54) 1,2-Dibromoethane	9.653	107	24247	20.68	ug/l	100
55) 2-Chloroethyl vinyl ether	8.288	63	91100	98.54	ug/l	97
56) Bromoform	10.841	173	17145	18.94	ug/l	99
58) 4-Methyl-2-Pentanone	8.617	43	177153	104.43	ug/l #	89
59) 2-Hexanone	9.470	43	134795	105.44	ug/l	87
61) Tetrachloroethene	9.318	164	19239	17.72	ug/l	97
62) Toluene	8.765	91	92486	19.92	ug/l	98
64) Chlorobenzene	10.118	112	57638	20.08	ug/l	96
65) 1,1,1,2-Tetrachloroethane	10.206	131	22137	20.31	ug/l	97
66) Ethyl Benzene	10.235	91	104864	19.63	ug/l	99
67) m/p-Xylenes	10.341	106	76359	39.71	ug/l	95
68) o-Xylene	10.682	106	37140	19.95	ug/l	93
69) Styrene	10.694	104	62330	19.74	ug/l	93
70) Isopropylbenzene	11.000	105	101937	20.03	ug/l	100
71) 1,1,2,2-Tetrachloroethane	11.253	83	35042	21.70	ug/l	99
72) 1,2,3-Trichloropropane	11.277	75	34326m	20.89	ug/l	
73) Bromobenzene	11.235	156	23734	19.67	ug/l	89
74) n-propylbenzene	11.341	91	118005	19.52	ug/l	98
75) 2-Chlorotoluene	11.406	91	73054	20.07	ug/l	96
76) 1,3,5-Trimethylbenzene	11.488	105	87886	20.30	ug/l	98
77) t-1,4-Dichloro-2-butene	11.059	75	10746	19.91	ug/l	85
78) 4-Chlorotoluene	11.494	91	84235	19.87	ug/l	97
79) tert-butylbenzene	11.753	119	82113	20.47	ug/l	94
80) 1,2,4-Trimethylbenzene	11.788	105	87563	20.13	ug/l	97
81) sec-Butylbenzene	11.930	105	97738	20.23	ug/l	100
82) p-Isopropyltoluene	12.047	119	88291	20.12	ug/l	96
83) 1,3-Dichlorobenzene	12.006	146	43749	20.26	ug/l	98
84) 1,4-Dichlorobenzene	12.083	146	42559	19.65	ug/l	97
85) n-Butylbenzene	12.371	91	79400	19.51	ug/l	98
86) Hexachloroethane	12.577	117	15031	18.55	ug/l	95
87) 1,2-Dichlorobenzene	12.377	146	42903	20.27	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	12.983	75	8114	20.19	ug/l	81
89) 1,2,4-Trichlorobenzene	13.624	180	26857	20.17	ug/l	96
90) Hexachlorobutadiene	13.765	225	11614	20.03	ug/l	99
91) Naphthalene	13.818	128	92819	21.57	ug/l	100
92) 1,2,3-Trichlorobenzene	14.000	180	26922	20.78	ug/l	99

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

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