

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031221\
 Data File : VX021181.D
 Acq On : 12 Mar 2021 14:27
 Operator : JC/MD
 Sample : VX0312WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0312WBS01

Manual Integrations
 APPROVED

MMDadoda
 3/15/2021 3:18:50 PM

Quant Time: Mar 13 01:05:58 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	15310	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.829	114	87129	30.00	ug/l	# 0.00
57) Chlorobenzene-d5	10.094	117	77742	30.00	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	6.029	65	43655	30.98	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 103.27%			
60) 4-Bromofluorobenzene	11.118	95	41512	29.20	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 97.33%			
63) Toluene-d8	8.694	98	111711	31.67	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 105.57%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.187	85	19037	18.94	ug/l	99
3) Chloromethane	1.317	50	18745	17.93	ug/l	99
4) Vinyl Chloride	1.393	62	18937	18.12	ug/l	97
5) Bromomethane	1.622	94	12414	20.01	ug/l	98
6) Chloroethane	1.711	64	11986	18.57	ug/l	93
7) Trichlorofluoromethane	1.917	101	29921	18.36	ug/l	98
8) Diethyl Ether	2.170	74	10371	18.88	ug/l	79
9) 1,1,2-Trichlorotrifluo...	2.364	101	16742	19.07	ug/l	95
10) 1,1-Dichloroethene	2.352	96	16191	19.08	ug/l	87
11) Methyl Iodide	2.487	142	18566	16.54	ug/l	86
12) Methyl Acetate	2.746	43	27831	19.43	ug/l #	86
13) Acrolein	2.276	56	15529	85.62	ug/l	100
14) Acrylonitrile	3.111	53	50132	93.09	ug/l	97
15) Acetone	2.423	58	15132	104.94	ug/l	73
16) Carbon Disulfide	2.546	76	46641	18.72	ug/l	98
17) Allyl chloride	2.705	41	33268	18.45	ug/l	86
18) Methylene Chloride	2.834	84	19128	18.57	ug/l #	87
19) trans-1,2-Dichloroethene	3.140	96	17818	18.92	ug/l	84
20) Diisopropyl ether	3.829	45	66779	19.03	ug/l #	89
21) 1,1-Dichloroethane	3.670	63	34461	18.42	ug/l	98
22) cis-1,2-Dichloroethene	4.558	96	20346	18.58	ug/l	87
23) tert-Butyl Alcohol	3.017	59	21242	88.80	ug/l	100
24) Methyl tert-Butyl Ether	3.164	73	61451	18.96	ug/l #	85
25) Chloroform	5.176	83	36766	18.85	ug/l	98
26) Cyclohexane	5.541	56	31540	18.98	ug/l #	89
29) 1,1-Dichloropropene	5.770	75	26378	18.16	ug/l	96
30) 2-Butanone	4.635	43	77192	95.10	ug/l #	91
31) 2,2-Dichloropropane	4.546	77	29989	18.39	ug/l	95
32) 1,1,1-Trichloroethane	5.458	97	32159	18.15	ug/l	95
33) Carbon Tetrachloride	5.752	117	28338	18.24	ug/l	98
34) Benzene	6.111	78	76789	18.45	ug/l	96
35) Methacrylonitrile	4.999	41	17016	18.44	ug/l	90
36) 1,2-Dichloroethane	6.158	62	32500	18.10	ug/l #	94
37) Trichloroethene	7.188	130	19729	18.09	ug/l	90
38) Methylcyclohexane	7.435	83	30469	18.56	ug/l	91
39) 1,2-Dichloropropane	7.488	63	20341	18.02	ug/l	100
40) Dibromomethane	7.635	93	14532	18.18	ug/l	89
41) Bromodichloromethane	7.870	83	29868	17.87	ug/l	96
42) Vinyl Acetate	3.782	43	275639	89.75	ug/l #	91

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	4.793	43	27323	16.87	ug/l	97
44) Isopropyl Acetate	6.411	43	48673	18.05	ug/l #	91
45) 1,4-Dioxane	7.712	88	9264	368.43	ug/l #	86
46) Methyl methacrylate	7.741	41	26060	18.02	ug/l	81
47) n-amyl Acetate	10.877	43	39997	16.99	ug/l	93
48) t-1,3-Dichloropropene	9.023	75	30048	17.49	ug/l	100
49) cis-1,3-Dichloropropene	8.412	75	32794	17.92	ug/l #	82
50) 1,1,2-Trichloroethane	9.194	97	18989	17.77	ug/l	92
51) Ethyl methacrylate	9.159	69	30029	17.73	ug/l #	77
52) 1,3-Dichloropropane	9.353	76	33360	17.95	ug/l	100
53) Dibromochloromethane	9.565	129	21607	17.50	ug/l	97
54) 1,2-Dibromoethane	9.653	107	19946	17.65	ug/l	98
55) 2-Chloroethyl vinyl ether	8.288	63	80060	89.86	ug/l	97
56) Bromoform	10.835	173	13788	15.81	ug/l	96
58) 4-Methyl-2-Pentanone	8.618	43	149569	95.02	ug/l #	88
59) 2-Hexanone	9.471	43	112946	95.22	ug/l	88
61) Tetrachloroethene	9.318	164	20284	20.14	ug/l	97
62) Toluene	8.765	91	82666	19.18	ug/l	97
64) Chlorobenzene	10.118	112	48672	18.28	ug/l	99
65) 1,1,1,2-Tetrachloroethane	10.206	131	18044	17.84	ug/l	95
66) Ethyl Benzene	10.235	91	92088	18.58	ug/l	97
67) m/p-Xylenes	10.341	106	64806	36.32	ug/l	94
68) o-Xylene	10.682	106	32089	18.58	ug/l	95
69) Styrene	10.694	104	52468	17.90	ug/l	94
70) Isopropylbenzene	11.000	105	85898	18.19	ug/l	100
71) 1,1,2,2-Tetrachloroethane	11.247	83	26825	17.91	ug/l	99
72) 1,2,3-Trichloropropane	11.277	75	27476m	18.02	ug/l	
73) Bromobenzene	11.236	156	20392	18.21	ug/l	92
74) n-propylbenzene	11.341	91	102506	18.28	ug/l	96
75) 2-Chlorotoluene	11.406	91	60414	17.89	ug/l	98
76) 1,3,5-Trimethylbenzene	11.488	105	71569	17.81	ug/l	98
77) t-1,4-Dichloro-2-butene	11.059	75	8287	16.55	ug/l	88
78) 4-Chlorotoluene	11.494	91	69953	17.79	ug/l	96
79) tert-butylbenzene	11.753	119	65988	17.73	ug/l	90
80) 1,2,4-Trimethylbenzene	11.789	105	71834	17.80	ug/l	99
81) sec-Butylbenzene	11.930	105	80427	17.94	ug/l	98
82) p-Isopropyltoluene	12.047	119	73037	17.93	ug/l	96
83) 1,3-Dichlorobenzene	12.006	146	35810	17.87	ug/l	97
84) 1,4-Dichlorobenzene	12.077	146	35150	17.49	ug/l	98
85) n-Butylbenzene	12.371	91	67241	17.81	ug/l	96
86) Hexachloroethane	12.577	117	13104	17.43	ug/l	90
87) 1,2-Dichlorobenzene	12.377	146	34669	17.66	ug/l	96
88) 1,2-Dibromo-3-Chloropr...	12.983	75	6465	17.34	ug/l #	77
89) 1,2,4-Trichlorobenzene	13.630	180	20764	16.80	ug/l	96
90) Hexachlorobutadiene	13.765	225	9832	18.27	ug/l	97
91) Naphthalene	13.818	128	69102	17.30	ug/l	99
92) 1,2,3-Trichlorobenzene	14.001	180	21864	18.19	ug/l	93

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

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