

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX033021\
 Data File : VX021622.D
 Acq On : 30 Mar 2021 12:20
 Operator : JC/MD
 Sample : VX0330WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0330WBSD01

Manual Integrations
 APPROVED

MMDadoda
 3/31/2021 6:59:34 PM

Quant Time: Mar 31 04:40:12 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X032621W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Mar 27 04:47:38 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	4.976	128	14499	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.823	114	75546	30.00	ug/l	-0.01
57) Chlorobenzene-d5	10.094	117	70471	30.00	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	6.023	65	38461	28.40	ug/l	0.00
Spiked Amount 30.000	Range	91 - 110	Recovery	=	94.67%	
60) 4-Bromofluorobenzene	11.118	95	36490	29.44	ug/l	0.00
Spiked Amount 30.000	Range	63 - 112	Recovery	=	98.13%	
63) Toluene-d8	8.694	98	96912	30.61	ug/l	0.00
Spiked Amount 30.000	Range	91 - 112	Recovery	=	102.03%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.187	85	23850	17.68	ug/l	96
3) Chloromethane	1.311	50	20903	16.97	ug/l	98
4) Vinyl Chloride	1.393	62	18216	16.64	ug/l	99
5) Bromomethane	1.623	94	9020	20.49	ug/l	98
6) Chloroethane	1.705	64	10714	16.40	ug/l	96
7) Trichlorofluoromethane	1.911	101	28170	17.14	ug/l	100
8) Diethyl Ether	2.164	74	9371	17.33	ug/l	75
9) 1,1,2-Trichlorotrifluo...	2.364	101	15795	17.33	ug/l	97
10) 1,1-Dichloroethene	2.352	96	13602	15.75	ug/l	90
11) Methyl Iodide	2.487	142	13632	18.94	ug/l	94
12) Methyl Acetate	2.746	43	31503	17.84	ug/l #	89
13) Acrolein	2.270	56	15710	94.39	ug/l	97
14) Acrylonitrile	3.111	53	45292	82.31	ug/l	97
15) Acetone	2.417	58	12245	83.99	ug/l #	65
16) Carbon Disulfide	2.546	76	39758	16.47	ug/l	98
17) Allyl chloride	2.705	41	28375	16.94	ug/l	89
18) Methylene Chloride	2.829	84	17244	16.89	ug/l #	88
19) trans-1,2-Dichloroethene	3.135	96	15426	16.54	ug/l	86
20) Diisopropyl ether	3.823	45	56688	16.94	ug/l	95
21) 1,1-Dichloroethane	3.664	63	30712	16.88	ug/l	96
22) cis-1,2-Dichloroethene	4.552	96	18724	17.36	ug/l	93
23) tert-Butyl Alcohol	3.011	59	18319	78.44	ug/l #	100
24) Methyl tert-Butyl Ether	3.164	73	53291	16.86	ug/l #	87
25) Chloroform	5.170	83	32596	16.86	ug/l	100
26) Cyclohexane	5.547	56	26110	16.61	ug/l #	92
29) 1,1-Dichloropropene	5.758	75	22402	17.57	ug/l	97
30) 2-Butanone	4.629	43	65706	88.21	ug/l	93
31) 2,2-Dichloropropane	4.541	77	25704	18.08	ug/l #	76
32) 1,1,1-Trichloroethane	5.458	97	28551	18.12	ug/l	97
33) Carbon Tetrachloride	5.747	117	25434	18.22	ug/l	96
34) Benzene	6.106	78	66133	18.18	ug/l	97
35) Methacrylonitrile	4.999	41	14586	17.81	ug/l	88
36) 1,2-Dichloroethane	6.158	62	29224	18.77	ug/l #	94
37) Trichloroethene	7.188	130	16959	17.97	ug/l	92
38) Methylcyclohexane	7.435	83	25405	17.99	ug/l	90
39) 1,2-Dichloropropane	7.482	63	17387	17.92	ug/l	98
40) Dibromomethane	7.635	93	12982	18.32	ug/l	92
41) Bromodichloromethane	7.870	83	26817	18.40	ug/l	95
42) Vinyl Acetate	3.782	43	227837	89.06	ug/l #	92

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	4.788	43	25911	18.26	ug/l	99
44) Isopropyl Acetate	6.406	43	41695	17.56	ug/l	92
45) 1,4-Dioxane	7.712	88	8226	348.19	ug/l #	87
46) Methyl methacrylate	7.741	41	22455	17.24	ug/l	84
47) n-amyl Acetate	10.877	43	35215	17.15	ug/l	93
48) t-1,3-Dichloropropene	9.018	75	26312	17.90	ug/l	99
49) cis-1,3-Dichloropropene	8.412	75	28006	17.80	ug/l #	85
50) 1,1,2-Trichloroethane	9.194	97	17171	18.04	ug/l	96
51) Ethyl methacrylate	9.159	69	23737m	17.06	ug/l	
52) 1,3-Dichloropropane	9.347	76	29666	18.23	ug/l	100
53) Dibromochloromethane	9.559	129	19924	18.36	ug/l	99
54) 1,2-Dibromoethane	9.653	107	18360	17.96	ug/l	98
55) 2-Chloroethyl vinyl ether	8.288	63	67439	87.16	ug/l	97
56) Bromoform	10.841	173	13728	17.91	ug/l	99
58) 4-Methyl-2-Pentanone	8.618	43	132568	89.12	ug/l #	89
59) 2-Hexanone	9.471	43	97224	87.02	ug/l	87
61) Tetrachloroethene	9.318	164	16920	19.78	ug/l	93
62) Toluene	8.765	91	70568	17.78	ug/l	99
64) Chlorobenzene	10.118	112	43383	17.93	ug/l	99
65) 1,1,1,2-Tetrachloroethane	10.200	131	17413	18.20	ug/l	99
66) Ethyl Benzene	10.235	91	79286	17.87	ug/l	97
67) m/p-Xylenes	10.341	106	58085	35.59	ug/l	94
68) o-Xylene	10.683	106	27494	17.43	ug/l	91
69) Styrene	10.694	104	46121	17.50	ug/l	94
70) Isopropylbenzene	11.000	105	74760	17.39	ug/l	100
71) 1,1,2,2-Tetrachloroethane	11.247	83	26131	17.75	ug/l	98
72) 1,2,3-Trichloropropane	11.277	75	25605m	18.19	ug/l	
73) Bromobenzene	11.236	156	19410	18.72	ug/l	96
74) n-propylbenzene	11.341	91	90627	17.96	ug/l	97
75) 2-Chlorotoluene	11.400	91	53758	17.51	ug/l	98
76) 1,3,5-Trimethylbenzene	11.489	105	64675	17.65	ug/l	99
77) t-1,4-Dichloro-2-butene	11.053	75	7617	16.94	ug/l	86
78) 4-Chlorotoluene	11.494	91	64908	18.13	ug/l	96
79) tert-butylbenzene	11.753	119	60277	17.29	ug/l	95
80) 1,2,4-Trimethylbenzene	11.789	105	64264	17.54	ug/l	97
81) sec-Butylbenzene	11.930	105	72844	18.00	ug/l	100
82) p-Isopropyltoluene	12.047	119	65560	17.74	ug/l	96
83) 1,3-Dichlorobenzene	12.006	146	32838	17.67	ug/l	98
84) 1,4-Dichlorobenzene	12.077	146	32648	17.55	ug/l	97
85) n-Butylbenzene	12.371	91	57877	17.58	ug/l	96
86) Hexachloroethane	12.577	117	11090	17.05	ug/l	92
87) 1,2-Dichlorobenzene	12.377	146	32798	17.92	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	12.983	75	5741	16.66	ug/l	84
89) 1,2,4-Trichlorobenzene	13.624	180	20347	17.67	ug/l	100
90) Hexachlorobutadiene	13.765	225	10104	20.76	ug/l	93
91) Naphthalene	13.818	128	64287	16.77	ug/l	99
92) 1,2,3-Trichlorobenzene	14.001	180	20867	18.13	ug/l	98

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

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