

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120820\
 Data File : VX019763.D
 Acq On : 08 Dec 2020 16:36
 Operator : JC/MD
 Sample : VX1208WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampled :
 VX1208WBS01

Manual Integrations
 APPROVED

MMDadoda
 12/10/2020 10:17:58 AM

Quant Time: Dec 09 06:18:26 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X120820W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Dec 09 06:09:21 2020
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	4.977	128	53751	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.824	114	295342	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.092	117	271073	30.00	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	6.025	65	113365	30.43	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	101.43%		
60) 4-Bromofluorobenzene	11.122	95	137309	30.16	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	100.53%		
63) Toluene-d8	8.695	98	360236	30.34	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	101.13%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.185	85	57183	20.02	ug/l	100
3) Chloromethane	1.313	50	62551	20.52	ug/l	100
4) Vinyl Chloride	1.392	62	72542	20.57	ug/l	98
5) Bromomethane	1.624	94	23194	16.99	ug/l	95
6) Chloroethane	1.703	64	46179	20.76	ug/l	96
7) Trichlorofluoromethane	1.910	101	103696	20.87	ug/l	99
8) Diethyl Ether	2.166	74	42353	20.53	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.361	101	59575	20.84	ug/l	99
10) 1,1-Dichloroethene	2.349	96	59600	20.54	ug/l	98
11) Methyl Iodide	2.489	142	68113	17.96	ug/l	99
12) Methyl Acetate	2.745	43	74229	19.65	ug/l	98
13) Acrolein	2.270	56	44525	83.18	ug/l	99
14) Acrylonitrile	3.111	53	190463	103.72	ug/l	99
15) Acetone	2.416	58	55253	101.12	ug/l	97
16) Carbon Disulfide	2.544	76	159999	20.15	ug/l	100
17) Allyl chloride	2.703	41	97432	20.40	ug/l	98
18) Methylene Chloride	2.831	84	74051	20.69	ug/l	98
19) trans-1,2-Dichloroethene	3.135	96	68916	20.48	ug/l	98
20) Diisopropyl ether	3.818	45	204453	20.63	ug/l	97
21) 1,1-Dichloroethane	3.666	63	123018	20.73	ug/l	99
22) cis-1,2-Dichloroethene	4.556	96	79944	20.55	ug/l	99
23) tert-Butyl Alcohol	3.014	59	88752	102.64	ug/l #	100
24) Methyl tert-Butyl Ether	3.166	73	217142	20.56	ug/l	100
25) Chloroform	5.172	83	126922	20.73	ug/l	100
26) Cyclohexane	5.544	56	106671	20.94	ug/l #	98
29) 1,1-Dichloropropene	5.763	75	94515	20.62	ug/l	99
30) 2-Butanone	4.629	43	245185	100.96	ug/l	100
31) 2,2-Dichloropropane	4.544	77	104570	20.21	ug/l	100
32) 1,1,1-Trichloroethane	5.458	97	108794	20.49	ug/l	99
33) Carbon Tetrachloride	5.745	117	92782	20.31	ug/l	99
34) Benzene	6.104	78	289034	20.61	ug/l	100
35) Methacrylonitrile	4.995	41	51030	20.32	ug/l	95
36) 1,2-Dichloroethane	6.159	62	98528	20.45	ug/l	100
37) Trichloroethene	7.177	130	75374	20.48	ug/l	97
38) Methylcyclohexane	7.440	83	112582	20.64	ug/l	100
39) 1,2-Dichloropropane	7.482	63	72782	20.65	ug/l	96
40) Dibromomethane	7.635	93	49158	20.40	ug/l	97
41) Bromodichloromethane	7.872	83	94820	19.79	ug/l	99
42) Vinyl Acetate	3.782	43	870032	102.25	ug/l	100
43) Ethyl Acetate	4.782	43	95599	20.77	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Isopropyl Acetate	6.403	43	150077	20.03	ug/l	99
45) 1,4-Dioxane	7.708	88	37319	411.60	ug/l	98
46) Methyl methacrylate	7.744	41	74328	20.14	ug/l	100
47) n-amyl Acetate	10.878	43	128689	20.05	ug/l	99
48) t-1,3-Dichloropropene	9.019	75	104127	19.52	ug/l	98
49) cis-1,3-Dichloropropene	8.409	75	116267	19.92	ug/l	99
50) 1,1,2-Trichloroethane	9.195	97	73955	20.57	ug/l	98
51) Ethyl methacrylate	9.159	69	108719	19.70	ug/l	98
52) 1,3-Dichloropropane	9.348	76	122976	20.32	ug/l	100
53) Dibromochloromethane	9.561	129	72589	19.16	ug/l	97
54) 1,2-Dibromoethane	9.653	107	78030	20.49	ug/l	99
55) 2-Chloroethyl vinyl ether	8.287	63	249866	87.53	ug/l	100
56) Bromoform	10.841	173	53633	19.01	ug/l	100
58) 4-Methyl-2-Pentanone	8.616	43	473122	102.16	ug/l	99
59) 2-Hexanone	9.470	43	375531	103.89	ug/l	100
61) Tetrachloroethene	9.317	164	66916	20.93	ug/l	97
62) Toluene	8.763	91	310779	20.76	ug/l	100
64) Chlorobenzene	10.116	112	193041	20.56	ug/l	100
65) 1,1,1,2-Tetrachloroethane	10.201	131	69619	20.00	ug/l	99
66) Ethyl Benzene	10.232	91	348541	20.73	ug/l	99
67) m/p-Xylenes	10.342	106	265177	41.76	ug/l	98
68) o-Xylene	10.683	106	127211	20.64	ug/l	99
69) Styrene	10.695	104	211721	20.21	ug/l	99
70) Isopropylbenzene	11.000	105	342015	20.82	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.250	83	116912	20.57	ug/l	100
72) 1,2,3-Trichloropropane	11.280	75	108878m	20.52	ug/l	
73) Bromobenzene	11.238	156	85908	20.55	ug/l	99
74) n-propylbenzene	11.341	91	392244	20.65	ug/l	100
75) 2-Chlorotoluene	11.402	91	237959	20.64	ug/l	99
76) 1,3,5-Trimethylbenzene	11.488	105	289579	20.80	ug/l	99
77) t-1,4-Dichloro-2-butene	11.055	75	35917	18.76	ug/l	98
78) 4-Chlorotoluene	11.494	91	275812	20.69	ug/l	99
79) tert-butylbenzene	11.756	119	279075	20.48	ug/l	98
80) 1,2,4-Trimethylbenzene	11.792	105	286812	20.52	ug/l	100
81) sec-Butylbenzene	11.927	105	322954	20.48	ug/l	99
82) p-Isopropyltoluene	12.049	119	298198	20.62	ug/l	99
83) 1,3-Dichlorobenzene	12.006	146	154330	20.47	ug/l	99
84) 1,4-Dichlorobenzene	12.079	146	157358	20.75	ug/l	100
85) n-Butylbenzene	12.372	91	254355	20.01	ug/l	100
86) Hexachloroethane	12.579	117	49628	19.50	ug/l	99
87) 1,2-Dichlorobenzene	12.372	146	153373	20.70	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	12.981	75	24355	19.70	ug/l	96
89) 1,2,4-Trichlorobenzene	13.627	180	96427	19.72	ug/l	98
90) Hexachlorobutadiene	13.768	225	43629	20.40	ug/l	97
91) Naphthalene	13.816	128	315170	19.68	ug/l	100
92) 1,2,3-Trichlorobenzene	13.999	180	96092	20.01	ug/l	98

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

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