

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120820\
 Data File : VX019758.D
 Acq On : 08 Dec 2020 11:19
 Operator : JC/MD
 Sample : VSTDIC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC050

Manual Integrations
 APPROVED

MMDadoda
 12/10/2020 10:17:51 AM

Quant Time: Dec 09 06:00:16 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X120820W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Dec 09 05:54:44 2020
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	4.976	128	50919	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.830	114	275192	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.091	117	254648	30.00	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	6.025	65	104588	29.64	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	98.80%		
60) 4-Bromofluorobenzene	11.115	95	125915	29.44	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	98.13%		
63) Toluene-d8	8.695	98	334470	29.98	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	99.93%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.184	85	138602	51.21	ug/l	98
3) Chloromethane	1.312	50	147352	51.03	ug/l	99
4) Vinyl Chloride	1.392	62	171218	51.24	ug/l	99
5) Bromomethane	1.623	94	64807	50.11	ug/l	99
6) Chloroethane	1.709	64	108419	51.45	ug/l	96
7) Trichlorofluoromethane	1.916	101	241519	51.31	ug/l	98
8) Diethyl Ether	2.166	74	100334	51.34	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.367	101	137901	50.93	ug/l	99
10) 1,1-Dichloroethene	2.355	96	137966	50.20	ug/l	97
11) Methyl Iodide	2.489	142	184827	51.44	ug/l	97
12) Methyl Acetate	2.745	43	188955	52.80	ug/l	97
13) Acrolein	2.270	56	131593	259.51	ug/l	99
14) Acrylonitrile	3.111	53	452831	260.31	ug/l	100
15) Acetone	2.416	58	135440	261.66	ug/l	99
16) Carbon Disulfide	2.550	76	377934	50.24	ug/l	100
17) Allyl chloride	2.708	41	233416	51.59	ug/l	100
18) Methylene Chloride	2.830	84	173212	51.08	ug/l	99
19) trans-1,2-Dichloroethene	3.141	96	161976	50.81	ug/l	97
20) Diisopropyl ether	3.824	45	484223	51.58	ug/l	95
21) 1,1-Dichloroethane	3.666	63	287531	51.16	ug/l	100
22) cis-1,2-Dichloroethene	4.562	96	188290	51.09	ug/l	99
23) tert-Butyl Alcohol	3.013	59	204250	1156.59	ug/l #	100
24) Methyl tert-Butyl Ether	3.166	73	514859	51.46	ug/l	100
25) Chloroform	5.171	83	297643	51.32	ug/l	100
26) Cyclohexane	5.549	56	246933	51.18	ug/l #	99
29) 1,1-Dichloropropene	5.763	75	221188	51.79	ug/l	100
30) 2-Butanone	4.629	43	599616	264.97	ug/l	99
31) 2,2-Dichloropropane	4.550	77	248554	51.55	ug/l	100
32) 1,1,1-Trichloroethane	5.464	97	256638	51.88	ug/l	100
33) Carbon Tetrachloride	5.751	117	221227	51.98	ug/l	100
34) Benzene	6.110	78	678930	51.96	ug/l	99
35) Methacrylonitrile	5.001	41	125698	53.72	ug/l	98
36) 1,2-Dichloroethane	6.159	62	232441	51.78	ug/l	100
37) Trichloroethene	7.183	130	176747	51.55	ug/l	99
38) Methylcyclohexane	7.439	83	262857	51.72	ug/l	99
39) 1,2-Dichloropropane	7.488	63	171665	52.27	ug/l	99
40) Dibromomethane	7.634	93	117095	52.14	ug/l	99
41) Bromodichloromethane	7.872	83	232758	52.13	ug/l	99
42) Vinyl Acetate	3.781	43	2087457	263.30	ug/l	100
43) Ethyl Acetate	4.787	43	224339	52.32	ug/l	99

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44) Isopropyl Acetate	6.409	43	364382	52.19	ug/l	99
45) 1,4-Dioxane	7.714	88	88399	1046.37	ug/l	98
46) Methyl methacrylate	7.744	41	181348	52.73	ug/l	99
47) n-amyl Acetate	10.878	43	315524	52.75	ug/l	100
48) t-1,3-Dichloropropene	9.018	75	259151	52.13	ug/l	99
49) cis-1,3-Dichloropropene	8.409	75	285279	52.47	ug/l	98
50) 1,1,2-Trichloroethane	9.195	97	174995	52.24	ug/l	98
51) Ethyl methacrylate	9.159	69	268079	52.14	ug/l	98
52) 1,3-Dichloropropane	9.348	76	295344	52.38	ug/l	99
53) Dibromochloromethane	9.561	129	184596	52.28	ug/l	99
54) 1,2-Dibromoethane	9.652	107	182533	51.43	ug/l	96
55) 2-Chloroethyl vinyl ether	8.287	63	699657	263.04	ug/l	100
56) Bromoform	10.841	173	137364	52.25	ug/l	99
58) 4-Methyl-2-Pentanone	8.616	43	1140658	262.18	ug/l	100
59) 2-Hexanone	9.469	43	903897	266.18	ug/l	100
61) Tetrachloroethene	9.317	164	155635	51.81	ug/l	94
62) Toluene	8.762	91	729238	51.86	ug/l	99
64) Chlorobenzene	10.122	112	451185	51.17	ug/l	99
65) 1,1,1,2-Tetrachloroethane	10.201	131	170187	52.05	ug/l	100
66) Ethyl Benzene	10.232	91	822908	52.11	ug/l	100
67) m/p-Xylenes	10.341	106	625874	104.92	ug/l	97
68) o-Xylene	10.683	106	301906	52.14	ug/l	99
69) Styrene	10.695	104	512981	52.13	ug/l	99
70) Isopropylbenzene	11.000	105	800775	51.90	ug/l	100
71) 1,1,2,2-Tetrachloroethane	11.250	83	280670	52.56	ug/l	100
72) 1,2,3-Trichloropropane	11.280	75	263606m	52.90	ug/l	
73) Bromobenzene	11.237	156	199401	50.77	ug/l	99
74) n-propylbenzene	11.341	91	930921	52.17	ug/l	100
75) 2-Chlorotoluene	11.402	91	561228	51.82	ug/l	99
76) 1,3,5-Trimethylbenzene	11.487	105	673053	51.47	ug/l	98
77) t-1,4-Dichloro-2-butene	11.055	75	95398	53.03	ug/l	98
78) 4-Chlorotoluene	11.493	91	645546	51.54	ug/l	99
79) tert-butylbenzene	11.756	119	672519	52.53	ug/l	97
80) 1,2,4-Trimethylbenzene	11.792	105	677131	51.56	ug/l	98
81) sec-Butylbenzene	11.926	105	769919	51.96	ug/l	99
82) p-Isopropyltoluene	12.048	119	710983	52.34	ug/l	99
83) 1,3-Dichlorobenzene	12.006	146	367388	51.88	ug/l	100
84) 1,4-Dichlorobenzene	12.079	146	377628	53.00	ug/l	99
85) n-Butylbenzene	12.371	91	623870	52.24	ug/l	100
86) Hexachloroethane	12.579	117	123744	51.77	ug/l	98
87) 1,2-Dichlorobenzene	12.371	146	362906	52.15	ug/l	100
88) 1,2-Dibromo-3-Chloropr...	12.981	75	59628	51.34	ug/l	97
89) 1,2,4-Trichlorobenzene	13.627	180	236329	51.44	ug/l	98
90) Hexachlorobutadiene	13.767	225	100733	50.14	ug/l	96
91) Naphthalene	13.816	128	784101	52.13	ug/l	100
92) 1,2,3-Trichlorobenzene	13.999	180	230607	51.13	ug/l	100

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

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