

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120820\
 Data File : VX019764.D
 Acq On : 08 Dec 2020 17:10
 Operator : JC/MD
 Sample : VX1208WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampled :
 VX1208WBSD01

Manual Integrations
 APPROVED

MMDadoda
 12/10/2020 10:18:00 AM

Quant Time: Dec 09 06:19:54 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	4.971	128	53110	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.824	114	286800	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.092	117	263492	30.00	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	6.025	65	111574	30.31	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	101.03%		
60) 4-Bromofluorobenzene	11.122	95	132053	29.84	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	99.47%		
63) Toluene-d8	8.689	98	349673	30.30	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	101.00%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.185	85	52714	18.67	ug/l	99
3) Chloromethane	1.313	50	59879	19.88	ug/l	98
4) Vinyl Chloride	1.392	62	68870	19.76	ug/l	98
5) Bromomethane	1.624	94	22317	16.55	ug/l	99
6) Chloroethane	1.703	64	42806	19.48	ug/l	98
7) Trichlorofluoromethane	1.910	101	98832	20.13	ug/l	98
8) Diethyl Ether	2.166	74	42123	20.67	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.361	101	56448	19.99	ug/l	100
10) 1,1-Dichloroethene	2.349	96	55878	19.49	ug/l	95
11) Methyl Iodide	2.489	142	67266	17.95	ug/l	98
12) Methyl Acetate	2.745	43	72931	19.54	ug/l	96
13) Acrolein	2.270	56	42689	80.71	ug/l	100
14) Acrylonitrile	3.111	53	185140	102.04	ug/l	99
15) Acetone	2.416	58	52060	96.43	ug/l	99
16) Carbon Disulfide	2.544	76	151892	19.36	ug/l	100
17) Allyl chloride	2.703	41	92619	19.63	ug/l	99
18) Methylene Chloride	2.831	84	72528	20.51	ug/l	98
19) trans-1,2-Dichloroethene	3.136	96	65837	19.80	ug/l	97
20) Diisopropyl ether	3.818	45	200886	20.52	ug/l	99
21) 1,1-Dichloroethane	3.666	63	117051	19.97	ug/l	99
22) cis-1,2-Dichloroethene	4.556	96	77254	20.10	ug/l	99
23) tert-Butyl Alcohol	3.014	59	86946	101.77	ug/l #	100
24) Methyl tert-Butyl Ether	3.160	73	215456	20.65	ug/l	99
25) Chloroform	5.166	83	123334	20.39	ug/l	99
26) Cyclohexane	5.538	56	101019	20.07	ug/l #	100
29) 1,1-Dichloropropene	5.763	75	89973	20.21	ug/l	99
30) 2-Butanone	4.623	43	238326	101.05	ug/l	98
31) 2,2-Dichloropropane	4.544	77	98495	19.60	ug/l	100
32) 1,1,1-Trichloroethane	5.452	97	102522	19.88	ug/l	100
33) Carbon Tetrachloride	5.751	117	87606	19.75	ug/l	99
34) Benzene	6.105	78	280266	20.58	ug/l	100
35) Methacrylonitrile	4.995	41	50703	20.79	ug/l	98
36) 1,2-Dichloroethane	6.153	62	97391	20.82	ug/l	100
37) Trichloroethene	7.184	130	71661	20.05	ug/l	99
38) Methylcyclohexane	7.440	83	110177	20.80	ug/l	98
39) 1,2-Dichloropropane	7.482	63	70194	20.51	ug/l	99
40) Dibromomethane	7.635	93	47502	20.30	ug/l	99
41) Bromodichloromethane	7.873	83	93667	20.13	ug/l	100
42) Vinyl Acetate	3.776	43	856902	103.71	ug/l	100
43) Ethyl Acetate	4.788	43	93220	20.86	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Isopropyl Acetate	6.403	43	149777	20.58	ug/l	100
45) 1,4-Dioxane	7.714	88	35736	405.88	ug/l	98
46) Methyl methacrylate	7.738	41	73587	20.53	ug/l	99
47) n-amyl Acetate	10.878	43	123122	19.75	ug/l	99
48) t-1,3-Dichloropropene	9.019	75	102301	19.75	ug/l	99
49) cis-1,3-Dichloropropene	8.409	75	112756	19.90	ug/l	99
50) 1,1,2-Trichloroethane	9.189	97	72871	20.87	ug/l	99
51) Ethyl methacrylate	9.153	69	105634	19.71	ug/l	99
52) 1,3-Dichloropropane	9.348	76	119945	20.41	ug/l	99
53) Dibromochloromethane	9.561	129	71263	19.37	ug/l	98
54) 1,2-Dibromoethane	9.653	107	75966	20.54	ug/l	98
55) 2-Chloroethyl vinyl ether	8.287	63	243295	87.76	ug/l	100
56) Bromoform	10.842	173	51541	18.81	ug/l	98
58) 4-Methyl-2-Pentanone	8.616	43	462309	102.70	ug/l	100
59) 2-Hexanone	9.470	43	354216	100.81	ug/l	100
61) Tetrachloroethene	9.317	164	64458	20.74	ug/l	92
62) Toluene	8.763	91	298512	20.52	ug/l	100
64) Chlorobenzene	10.116	112	185768	20.36	ug/l	99
65) 1,1,1,2-Tetrachloroethane	10.201	131	66734	19.72	ug/l	97
66) Ethyl Benzene	10.232	91	332043	20.32	ug/l	98
67) m/p-Xylenes	10.342	106	253401	41.06	ug/l	99
68) o-Xylene	10.683	106	121253	20.24	ug/l	99
69) Styrene	10.695	104	202990	19.94	ug/l	99
70) Isopropylbenzene	11.000	105	325379	20.38	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.250	83	113698	20.58	ug/l	99
72) 1,2,3-Trichloropropane	11.280	75	107555m	20.86	ug/l	
73) Bromobenzene	11.238	156	81145	19.97	ug/l	99
74) n-propylbenzene	11.341	91	377454	20.44	ug/l	100
75) 2-Chlorotoluene	11.402	91	227278	20.28	ug/l	99
76) 1,3,5-Trimethylbenzene	11.488	105	274026	20.25	ug/l	98
77) t-1,4-Dichloro-2-butene	11.055	75	34786	18.69	ug/l	97
78) 4-Chlorotoluene	11.494	91	262283	20.24	ug/l	100
79) tert-butylbenzene	11.756	119	266313	20.10	ug/l	97
80) 1,2,4-Trimethylbenzene	11.786	105	275986	20.31	ug/l	99
81) sec-Butylbenzene	11.927	105	306497	19.99	ug/l	99
82) p-Isopropyltoluene	12.049	119	283292	20.16	ug/l	100
83) 1,3-Dichlorobenzene	12.006	146	146713	20.02	ug/l	99
84) 1,4-Dichlorobenzene	12.079	146	150408	20.40	ug/l	100
85) n-Butylbenzene	12.372	91	244906	19.82	ug/l	99
86) Hexachloroethane	12.579	117	46898	18.96	ug/l	96
87) 1,2-Dichlorobenzene	12.372	146	151364	21.02	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	12.981	75	23670	19.70	ug/l	98
89) 1,2,4-Trichlorobenzene	13.628	180	93298	19.63	ug/l	98
90) Hexachlorobutadiene	13.762	225	41380	19.91	ug/l	99
91) Naphthalene	13.817	128	312358	20.07	ug/l	100
92) 1,2,3-Trichlorobenzene	13.999	180	93996	20.14	ug/l	99

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

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