

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120820\
 Data File : VX019767.D
 Acq On : 08 Dec 2020 18:30
 Operator : JC/MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDCCC020EC

Manual Integrations
 APPROVED

MMDadoda
 12/10/2020 10:18:01 AM

Quant Time: Dec 09 06:22:29 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	4.983	128	54117	30.00	ug/l	0.01
28) 1,4-Difluorobenzene	6.830	114	293578	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.098	117	267437	30.00	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	6.025	65	113432	30.24	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	100.80%
60) 4-Bromofluorobenzene	11.122	95	135819	30.24	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	100.80%
63) Toluene-d8	8.695	98	357811	30.54	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	101.80%
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.185	85	55060	19.14	ug/l	98
3) Chloromethane	1.313	50	59429	19.36	ug/l	99
4) Vinyl Chloride	1.392	62	71594	20.16	ug/l	96
5) Bromomethane	1.624	94	16238	11.81	ug/l	97
6) Chloroethane	1.703	64	46045	20.56	ug/l	100
7) Trichlorofluoromethane	1.910	101	101493	20.29	ug/l	99
8) Diethyl Ether	2.166	74	42769	20.59	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.361	101	60889	21.16	ug/l	98
10) 1,1-Dichloroethene	2.355	96	62126	21.27	ug/l	96
11) Methyl Iodide	2.489	142	43376	11.36	ug/l	98
12) Methyl Acetate	2.745	43	75944	19.97	ug/l	97
13) Acrolein	2.270	56	43523	80.76	ug/l	99
14) Acrylonitrile	3.111	53	192226	103.97	ug/l	99
15) Acetone	2.416	58	54368	98.83	ug/l	96
16) Carbon Disulfide	2.544	76	160858	20.12	ug/l	99
17) Allyl chloride	2.703	41	98271	20.44	ug/l	97
18) Methylene Chloride	2.831	84	74475	20.67	ug/l	98
19) trans-1,2-Dichloroethene	3.142	96	68969	20.36	ug/l	95
20) Diisopropyl ether	3.824	45	207281	20.78	ug/l	95
21) 1,1-Dichloroethane	3.666	63	123589	20.69	ug/l	99
22) cis-1,2-Dichloroethene	4.562	96	80384	20.52	ug/l	98
23) tert-Butyl Alcohol	3.014	59	88239	101.36	ug/l #	100
24) Methyl tert-Butyl Ether	3.166	73	219736	20.66	ug/l	99
25) Chloroform	5.172	83	127210	20.64	ug/l	99
26) Cyclohexane	5.544	56	105921	20.66	ug/l #	99
29) 1,1-Dichloropropene	5.763	75	93787	20.58	ug/l	99
30) 2-Butanone	4.629	43	246761	102.22	ug/l	99
31) 2,2-Dichloropropane	4.550	77	102062	19.84	ug/l	100
32) 1,1,1-Trichloroethane	5.458	97	108178	20.50	ug/l	99
33) Carbon Tetrachloride	5.751	117	90598	19.95	ug/l	95
34) Benzene	6.111	78	291819	20.93	ug/l	99
35) Methacrylonitrile	5.001	41	52124	20.88	ug/l	97
36) 1,2-Dichloroethane	6.159	62	100468	20.98	ug/l	100
37) Trichloroethene	7.184	130	75712	20.70	ug/l	97
38) Methylcyclohexane	7.440	83	110852	20.45	ug/l	99
39) 1,2-Dichloropropane	7.488	63	73001	20.83	ug/l	96
40) Dibromomethane	7.635	93	49547	20.68	ug/l	99
41) Bromodichloromethane	7.872	83	96573	20.27	ug/l	100
42) Vinyl Acetate	3.782	43	888551	105.06	ug/l	100
43) Ethyl Acetate	4.794	43	95328	20.84	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Isopropyl Acetate	6.409	43	153678	20.63	ug/l	100
45) 1,4-Dioxane	7.714	88	34050	377.81	ug/l	96
46) Methyl methacrylate	7.744	41	75438	20.56	ug/l	98
47) n-amyl Acetate	10.878	43	130552	20.46	ug/l	99
48) t-1,3-Dichloropropene	9.019	75	105209	19.84	ug/l	100
49) cis-1,3-Dichloropropene	8.415	75	116763	20.13	ug/l	98
50) 1,1,2-Trichloroethane	9.195	97	74546	20.86	ug/l	99
51) Ethyl methacrylate	9.159	69	111485	20.33	ug/l	97
52) 1,3-Dichloropropane	9.348	76	127157	21.14	ug/l	98
53) Dibromochloromethane	9.561	129	74620	19.81	ug/l	100
54) 1,2-Dibromoethane	9.653	107	79328	20.95	ug/l	99
55) 2-Chloroethyl vinyl ether	8.287	63	248121	87.44	ug/l	100
56) Bromoform	10.841	173	54178	19.32	ug/l	99
58) 4-Methyl-2-Pentanone	8.616	43	481664	105.42	ug/l	100
59) 2-Hexanone	9.470	43	370137	103.79	ug/l	99
61) Tetrachloroethene	9.317	164	64769	20.53	ug/l	97
62) Toluene	8.763	91	312161	21.14	ug/l	99
64) Chlorobenzene	10.122	112	191131	20.64	ug/l	95
65) 1,1,1,2-Tetrachloroethane	10.201	131	70626	20.57	ug/l	99
66) Ethyl Benzene	10.232	91	345324	20.82	ug/l	98
67) m/p-Xylenes	10.342	106	262187	41.85	ug/l	100
68) o-Xylene	10.683	106	124349	20.45	ug/l	97
69) Styrene	10.695	104	215262	20.83	ug/l	99
70) Isopropylbenzene	11.000	105	343158	21.18	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.250	83	120873	21.55	ug/l	99
72) 1,2,3-Trichloropropane	11.280	75	109983m	21.01	ug/l	
73) Bromobenzene	11.238	156	85831	20.81	ug/l	100
74) n-propylbenzene	11.341	91	388635	20.74	ug/l	100
75) 2-Chlorotoluene	11.402	91	236763	20.81	ug/l	100
76) 1,3,5-Trimethylbenzene	11.488	105	286980	20.90	ug/l	100
77) t-1,4-Dichloro-2-butene	11.055	75	33506	17.74	ug/l	97
78) 4-Chlorotoluene	11.494	91	274807	20.89	ug/l	99
79) tert-butylbenzene	11.756	119	281737	20.95	ug/l	97
80) 1,2,4-Trimethylbenzene	11.793	105	287932	20.88	ug/l	100
81) sec-Butylbenzene	11.927	105	321513	20.66	ug/l	100
82) p-Isopropyltoluene	12.049	119	289489	20.29	ug/l	100
83) 1,3-Dichlorobenzene	12.006	146	155274	20.88	ug/l	99
84) 1,4-Dichlorobenzene	12.079	146	153596	20.53	ug/l	98
85) n-Butylbenzene	12.372	91	249926	19.93	ug/l	100
86) Hexachloroethane	12.579	117	45009	17.93	ug/l	98
87) 1,2-Dichlorobenzene	12.372	146	150779	20.63	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	12.981	75	24255	19.89	ug/l	97
89) 1,2,4-Trichlorobenzene	13.628	180	93629	19.41	ug/l	99
90) Hexachlorobutadiene	13.762	225	41576	19.71	ug/l	99
91) Naphthalene	13.817	128	324379	20.53	ug/l	99
92) 1,2,3-Trichlorobenzene	13.999	180	98669	20.83	ug/l	97

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

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