Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022521\
Data File : VX020904.D
Acq On : 25 Feb 2021 09:57
Operator : JC/MD
Sample : VSTDICCC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : VSTDICC020

Quant Time: Feb 25 10:25:20 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X022521W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Feb 25 10:23:53 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	4.976	128	36848	30.00	ug/l		0.00
28) 1,4-Difluorobenzene	6.829	114	210643	30.00	ug/l		0.00
57) Chlorobenzene-d5	10.094	117	183281	30.00	ug/l		0.00
System Monitoring Compounds							
27) 1,2-Dichloroethane-d4	6.023	65	78993	30.75	ug/l		0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 102.50%				
60) 4-Bromofluorobenzene	11.118	95	93531	30.33	ug/l		0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 101.10%				
63) Toluene-d8	8.694	98	249901	31.04	ug/l		0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 103.47%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.187	85	39748	20.38	ug/l		97
3) Chloromethane	1.311	50	43135	20.64	ug/l		96
4) Vinyl Chloride	1.393	62	49168	20.32	ug/l		100
5) Bromomethane	1.628	94	30137	31.72	ug/l		97
6) Chloroethane	1.711	64	30968	20.28	ug/l		100
7) Trichlorofluoromethane	1.917	101	63933	19.07	ug/l		98
8) Diethyl Ether	2.170	74	28346	20.17	ug/l		98
9) 1,1,2-Trichlorotrifluo...	2.364	101	39655	20.32	ug/l		98
10) 1,1-Dichloroethene	2.352	96	40423	20.26	ug/l		97
11) Methyl Iodide	2.487	142	49929	19.08	ug/l		95
12) Methyl Acetate	2.746	43	43845	17.42	ug/l		98
13) Acrolein	2.270	56	29159	81.66	ug/l		96
14) Acrylonitrile	3.111	53	109620	89.04	ug/l		99
15) Acetone	2.417	58	37150	99.39	ug/l		98
16) Carbon Disulfide	2.546	76	114425	20.76	ug/l		100
17) Allyl chloride	2.705	41	63762	19.54	ug/l		97
18) Methylene Chloride	2.834	84	46832	19.31	ug/l		95
19) trans-1,2-Dichloroethene	3.140	96	45712	19.87	ug/l		97
20) Diisopropyl ether	3.823	45	130637	19.44	ug/l		98
21) 1,1-Dichloroethane	3.664	63	77594	19.33	ug/l		99
22) cis-1,2-Dichloroethene	4.558	96	51473	19.44	ug/l		97
23) tert-Butyl Alcohol	3.011	59	50779	86.67	ug/l	#	100
24) Methyl tert-Butyl Ether	3.164	73	142445	19.80	ug/l		100
25) Chloroform	5.170	83	80096	19.34	ug/l		99
26) Cyclohexane	5.547	56	70563	20.17	ug/l	#	100
29) 1,1-Dichloropropene	5.764	75	60729	18.94	ug/l		100
30) 2-Butanone	4.629	43	151193	89.51	ug/l		99
31) 2,2-Dichloropropane	4.540	77	70108	19.30	ug/l		100
32) 1,1,1-Trichloroethane	5.458	97	69283	18.72	ug/l		99
33) Carbon Tetrachloride	5.752	117	58279	18.38	ug/l		97
34) Benzene	6.111	78	183819	18.80	ug/l		98
35) Methacrylonitrile	4.999	41	31404	18.02	ug/l		97
36) 1,2-Dichloroethane	6.152	62	61111	18.29	ug/l		97
37) Trichloroethene	7.188	130	49123	19.00	ug/l		95
38) Methylcyclohexane	7.435	83	77677	20.05	ug/l		98
39) 1,2-Dichloropropane	7.488	63	45335	18.46	ug/l		100
40) Dibromomethane	7.635	93	30993	18.43	ug/l		96
41) Bromodichloromethane	7.870	83	64328	19.10	ug/l		98
42) Vinyl Acetate	3.782	43	553006	93.26	ug/l		99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	4.788	43	56421	17.69	ug/l	100
44) Isopropyl Acetate	6.405	43	94166	18.07	ug/l	100
45) 1,4-Dioxane	7.712	88	23101	365.07	ug/l	98
46) Methyl methacrylate	7.741	41	47889	18.53	ug/l	99
47) n-amyl Acetate	10.877	43	79755	17.76	ug/l	97
48) t-1,3-Dichloropropene	9.018	75	72465	19.23	ug/l	100
49) cis-1,3-Dichloropropene	8.412	75	78726	19.18	ug/l	99
50) 1,1,2-Trichloroethane	9.194	97	46932	18.69	ug/l	98
51) Ethyl methacrylate	9.159	69	71688	18.49	ug/l	94
52) 1,3-Dichloropropane	9.347	76	77040	18.32	ug/l	99
53) Dibromochloromethane	9.565	129	49605	18.65	ug/l	100
54) 1,2-Dibromoethane	9.653	107	48051	18.22	ug/l	97
55) 2-Chloroethyl vinyl ether	8.288	63	183467	92.69	ug/l	99
56) Bromoform	10.835	173	32863	16.88	ug/l	96
58) 4-Methyl-2-Pentanone	8.617	43	274311	90.01	ug/l	100
59) 2-Hexanone	9.471	43	211617	88.87	ug/l	100
61) Tetrachloroethene	9.318	164	42516	19.92	ug/l	94
62) Toluene	8.765	91	195871	19.65	ug/l	100
64) Chlorobenzene	10.118	112	121392	19.43	ug/l	100
65) 1,1,1,2-Tetrachloroethane	10.200	131	45018	19.42	ug/l	97
66) Ethyl Benzene	10.235	91	217404	19.43	ug/l	99
67) m/p-Xylenes	10.341	106	159524	37.97	ug/l	99
68) o-Xylene	10.682	106	79112	19.28	ug/l	98
69) Styrene	10.694	104	134467	19.27	ug/l	100
70) Isopropylbenzene	11.000	105	212487	19.45	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.247	83	65982	17.75	ug/l	99
72) 1,2,3-Trichloropropane	11.277	75	56391m	16.51	ug/l	
73) Bromobenzene	11.236	156	49816	18.13	ug/l	96
74) n-propylbenzene	11.341	91	244291	19.31	ug/l	100
75) 2-Chlorotoluene	11.400	91	146156	19.06	ug/l	99
76) 1,3,5-Trimethylbenzene	11.488	105	173775	18.84	ug/l	96
77) t-1,4-Dichloro-2-butene	11.059	75	23447	18.31	ug/l	91
78) 4-Chlorotoluene	11.494	91	166634	18.86	ug/l	99
79) tert-butylbenzene	11.753	119	171813	18.84	ug/l	98
80) 1,2,4-Trimethylbenzene	11.789	105	179761	19.29	ug/l	98
81) sec-Butylbenzene	11.930	105	201364	19.20	ug/l	99
82) p-Isopropyltoluene	12.047	119	180743	18.80	ug/l	99
83) 1,3-Dichlorobenzene	12.006	146	91512	18.34	ug/l	98
84) 1,4-Dichlorobenzene	12.083	146	90165	18.09	ug/l	99
85) n-Butylbenzene	12.371	91	161566	19.04	ug/l	99
86) Hexachloroethane	12.577	117	32797	19.14	ug/l	92
87) 1,2-Dichlorobenzene	12.377	146	86298	17.81	ug/l	97
88) 1,2-Dibromo-3-Chloropr...	12.983	75	14211	17.36	ug/l	98
89) 1,2,4-Trichlorobenzene	13.630	180	56352	17.56	ug/l	97
90) Hexachlorobutadiene	13.765	225	23619	17.00	ug/l	95
91) Naphthalene	13.818	128	196633	18.43	ug/l	99
92) 1,2,3-Trichlorobenzene	14.001	180	54917	17.43	ug/l	99

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

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