Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN123120\
Data File : VN065340.D
Acq On : 31 Dec 2020 12:12
Operator : JC/MD
Sample : VSTDCCC020
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jan 01 01:14:57 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N122120W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Mon Dec 21 13:17:58 2020
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Manual Integrations APPROVED
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1/4/2021 9:29:32 AM

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	7.158	128	52206	30.00	ug/l		0.01
28) 1,4-Difluorobenzene	8.553	114	286874	30.00	ug/l		0.00
57) Chlorobenzene-d5	11.380	117	265145	30.00	ug/l		0.00
System Monitoring Compounds							
27) 1,2-Dichloroethane-d4	7.991	65	107443	28.36	ug/l		0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 94.53%				
60) 4-Bromofluorobenzene	12.376	95	121620	28.84	ug/l		0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 96.13%				
63) Toluene-d8	10.061	98	348390	29.62	ug/l		0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 98.73%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.849	85	49969	18.10	ug/l		100
3) Chloromethane	2.055	50	63049	19.48	ug/l		98
4) Vinyl Chloride	2.181	62	66925	19.67	ug/l		99
5) Bromomethane	2.550	94	46284	18.84	ug/l		92
6) Chloroethane	2.689	64	40620	18.68	ug/l		97
7) Trichlorofluoromethane	3.004	101	89248	18.07	ug/l		95
8) Diethyl Ether	3.389	74	35575	19.76	ug/l		85
9) 1,1,2-Trichlorotrifluo...	3.724	101	52756	19.23	ug/l	#	46
10) 1,1-Dichloroethene	3.701	96	53320	19.17	ug/l		84
11) Methyl Iodide	3.914	142	74126	17.98	ug/l		89
12) Methyl Acetate	4.296	43	57383	19.89	ug/l		99
13) Acrolein	3.579	56	46167	117.32	ug/l		99
14) Acrylonitrile	4.949	53	127864	94.88	ug/l		99
15) Acetone	3.791	58	39368	92.26	ug/l	#	67
16) Carbon Disulfide	4.010	76	138458	17.24	ug/l		100
17) Allyl chloride	4.280	41	83383	16.98	ug/l		91
18) Methylene Chloride	4.508	84	59001	18.52	ug/l		90
19) trans-1,2-Dichloroethene	4.994	96	55699	18.23	ug/l		90
20) Diisopropyl ether	5.917	45	176486	17.93	ug/l		95
21) 1,1-Dichloroethane	5.804	63	101451	18.35	ug/l		96
22) cis-1,2-Dichloroethene	6.788	96	65070	18.53	ug/l		85
23) tert-Butyl Alcohol	4.782	59	46279m	80.95	ug/l		
24) Methyl tert-Butyl Ether	5.010	73	168159	17.32	ug/l	#	83
25) Chloroform	7.335	83	103417	18.13	ug/l		95
26) Cyclohexane	7.611	56	86961	17.81	ug/l	#	94
29) 1,1-Dichloropropene	7.756	75	77338	18.25	ug/l		97
30) 2-Butanone	6.804	43	169162	87.54	ug/l	#	75
31) 2,2-Dichloropropane	6.782	77	86009	16.56	ug/l		95
32) 1,1,1-Trichloroethane	7.531	97	89822	17.60	ug/l		96
33) Carbon Tetrachloride	7.737	117	77677	17.30	ug/l		97
34) Benzene	8.003	78	235617	18.86	ug/l		97
35) Methacrylonitrile	7.135	41	34745	19.47	ug/l		89
36) 1,2-Dichloroethane	8.090	62	82819	17.91	ug/l	#	93
37) Trichloroethene	8.804	130	68290	19.09	ug/l		90
38) Methylcyclohexane	9.045	83	93710	18.02	ug/l		91
39) 1,2-Dichloropropane	9.087	63	61398	18.82	ug/l		98
40) Dibromomethane	9.177	93	40688	18.51	ug/l		80
41) Bromodichloromethane	9.370	83	82374	17.62	ug/l		100
42) Vinyl Acetate	5.856	43	735344	87.88	ug/l		96

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
43) Ethyl Acetate	6.894	43	70437	18.56	ug/l		96
44) Isopropyl Acetate	8.135	43	121888	17.04	ug/l	#	89
45) 1,4-Dioxane	9.171	88	20006	370.11	ug/l		94
46) Methyl methacrylate	9.171	41	58420	17.20	ug/l		85
47) n-amyl Acetate	12.045	43	99909	16.64	ug/l		99
48) t-1,3-Dichloropropene	10.354	75	89908	17.10	ug/l		100
49) cis-1,3-Dichloropropene	9.810	75	99129	17.85	ug/l		89
50) 1,1,2-Trichloroethane	10.534	97	58892	19.02	ug/l		96
51) Ethyl methacrylate	10.402	69	85083	17.59	ug/l		88
52) 1,3-Dichloropropane	10.679	76	99624	19.29	ug/l		99
53) Dibromochloromethane	10.875	129	65954	17.84	ug/l		99
54) 1,2-Dibromoethane	10.978	107	62529	18.87	ug/l		97
55) 2-Chloroethyl vinyl ether	9.666	63	175384	73.26	ug/l		97
56) Bromoform	12.100	173	48945	17.10	ug/l	#	95
58) 4-Methyl-2-Pentanone	9.955	43	352161	86.91	ug/l	#	92
59) 2-Hexanone	10.724	43	253643	84.96	ug/l		91
61) Tetrachloroethene	10.601	164	79220	19.91	ug/l		89
62) Toluene	10.126	91	263235	18.68	ug/l		99
64) Chlorobenzene	11.405	112	162905	18.74	ug/l		98
65) 1,1,1,2-Tetrachloroethane	11.482	131	62201	18.08	ug/l		99
66) Ethyl Benzene	11.482	91	289853	18.43	ug/l		97
67) m/p-Xylenes	11.595	106	220450	37.13	ug/l		94
68) o-Xylene	11.923	106	106953	18.65	ug/l		95
69) Styrene	11.936	104	177747	18.45	ug/l		93
70) Isopropylbenzene	12.222	105	282425	18.45	ug/l		98
71) 1,1,2,2-Tetrachloroethane	12.479	83	78499	18.93	ug/l		97
72) 1,2,3-Trichloropropane	12.527	75	77359m	18.33	ug/l		
73) Bromobenzene	12.502	156	76184	19.09	ug/l		76
74) n-propylbenzene	12.566	91	316345	18.20	ug/l		95
75) 2-Chlorotoluene	12.650	91	189759	18.44	ug/l		92
76) 1,3,5-Trimethylbenzene	12.707	105	238566	18.27	ug/l		94
77) t-1,4-Dichloro-2-butene	12.273	75	26325	15.88	ug/l		96
78) 4-Chlorotoluene	12.746	91	189132	18.14	ug/l		92
79) tert-butylbenzene	12.968	119	202876	18.21	ug/l		91
80) 1,2,4-Trimethylbenzene	13.013	105	234157	18.13	ug/l		96
81) sec-Butylbenzene	13.145	105	264535	18.10	ug/l		96
82) p-Isopropyltoluene	13.264	119	242516	17.97	ug/l		96
83) 1,3-Dichlorobenzene	13.257	146	123817	18.73	ug/l		94
84) 1,4-Dichlorobenzene	13.338	146	117732	17.87	ug/l		93
85) n-Butylbenzene	13.588	91	198589	17.18	ug/l		96
86) Hexachloroethane	13.849	117	39561	16.14	ug/l		63
87) 1,2-Dichlorobenzene	13.627	146	122401	19.11	ug/l		95
88) 1,2-Dibromo-3-Chloropr...	14.244	75	14448	16.67	ug/l	#	69
89) 1,2,4-Trichlorobenzene	14.881	180	59757	17.38	ug/l		94
90) Hexachlorobutadiene	14.981	225	43549	19.13	ug/l		98
91) Naphthalene	15.103	128	150997	16.43	ug/l		99
92) 1,2,3-Trichlorobenzene	15.283	180	59172	18.33	ug/l		97

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

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