Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN102620\
Data File : VN064310.D
Acq On : 26 Oct 2020 18:17
Operator : JC/MD
Sample : VSTDICV020
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : ICVVN102620

Manual Integrations APPROVED
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10/27/2020 2:21:20 PM

Quant Time: Oct 27 02:43:16 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N102620W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Mon Oct 26 17:44:53 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	7.15	128	47088	30.00	ug/l		0.00
28) 1,4-Difluorobenzene	8.55	114	263776	30.00	ug/l		0.00
57) Chlorobenzene-d5	11.38	117	236856	30.00	ug/l		0.00
System Monitoring Compounds							
27) 1,2-Dichloroethane-d4	7.99	65	131806	31.11	ug/l		0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 103.70%				
60) 4-Bromofluorobenzene	12.37	95	131821	31.11	ug/l		0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 103.70%				
63) Toluene-d8	10.06	98	332923	31.52	ug/l		0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 105.07%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.83	85	74170	19.259	ug/l		91
3) Chloromethane	2.04	50	70905	19.704	ug/l		98
4) Vinyl Chloride	2.16	62	65405	18.643	ug/l		92
5) Bromomethane	2.53	94	44463	20.532	ug/l		90
6) Chloroethane	2.67	64	36923	18.841	ug/l		97
7) Trichlorofluoromethane	2.98	101	105503	19.519	ug/l		93
8) Diethyl Ether	3.38	74	33614	19.414	ug/l		97
9) 1,1,2-Trichlorotrifluoroet	3.72	101	52049	18.905	ug/l		88
10) 1,1-Dichloroethene	3.70	96	50857	19.222	ug/l		91
11) Methyl Iodide	3.91	142	64571	17.044	ug/l		95
12) Methyl Acetate	4.28	43	61378	19.374	ug/l		93
13) Acrolein	3.57	56	18549	88.648	ug/l		94
14) Acrylonitrile	4.93	53	127068	92.210	ug/l	#	62
15) Acetone	3.77	58	33104	87.332	ug/l		86
16) Carbon Disulfide	4.01	76	145758	18.559	ug/l		98
17) Allyl chloride	4.28	41	88026	17.523	ug/l		97
18) Methylene Chloride	4.50	84	54843	18.203	ug/l		94
19) trans-1,2-Dichloroethene	4.99	96	54438	18.957	ug/l		91
20) Diisopropyl ether	5.90	45	192297	18.912	ug/l		96
21) 1,1-Dichloroethane	5.80	63	109631	19.248	ug/l		99
22) cis-1,2-Dichloroethene	6.78	96	63193	19.071	ug/l	#	85
23) tert-Butyl Alcohol	4.73	59	62020	98.888	ug/l	#	100
24) Methyl tert-Butyl Ether	4.99	73	190330	19.044	ug/l		97
25) Chloroform	7.33	83	112254	19.104	ug/l		98
26) Cyclohexane	7.61	56	87047	18.656	ug/l	#	99
29) 1,1-Dichloropropene	7.75	75	83907	18.477	ug/l		95
30) 2-Butanone	6.78	43	198736	92.880	ug/l	#	98
31) 2,2-Dichloropropane	6.77	77	101565	18.619	ug/l	#	65
32) 1,1,1-Trichloroethane	7.53	97	107558	18.922	ug/l		98
33) Carbon Tetrachloride	7.73	117	95187	18.301	ug/l		97
34) Benzene	8.00	78	226784	18.609	ug/l		96
35) Methacrylonitrile	7.14	41	40026m	17.913	ug/l		
36) 1,2-Dichloroethane	8.08	62	100805	18.622	ug/l	#	90
37) Trichloroethene	8.80	130	62293	18.740	ug/l		99
38) Methylcyclohexane	9.05	83	80705	18.392	ug/l		98
39) 1,2-Dichloropropane	9.08	63	61106	18.573	ug/l		98
40) Dibromomethane	9.17	93	44453	19.466	ug/l		93

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Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
41) Bromodichloromethane	9.37	83	90119	18.272 ug/l		96
42) Vinyl Acetate	5.84	43	832483	91.048 ug/l		99
43) Ethyl Acetate	6.88	43	81992	18.799 ug/l	#	81
44) Isopropyl Acetate	8.13	43	145330m	18.135 ug/l		
45) 1,4-Dioxane	9.16	88	21921	354.681 ug/l		89
46) Methyl methacrylate	9.17	41	75055	19.193 ug/l		98
47) n-amyl Acetate	12.05	43	119184	17.665 ug/l		96
48) t-1,3-Dichloropropene	10.35	75	101147	18.182 ug/l		98
49) cis-1,3-Dichloropropene	9.81	75	101659	17.931 ug/l		96
50) 1,1,2-Trichloroethane	10.53	97	55686	18.163 ug/l		95
51) Ethyl methacrylate	10.40	69	85494	17.859 ug/l		99
52) 1,3-Dichloropropane	10.68	76	99975	18.570 ug/l		96
53) Dibromochloromethane	10.87	129	67812	18.110 ug/l		98
54) 1,2-Dibromoethane	10.98	107	60524	18.480 ug/l		97
55) 2-Chloroethyl vinyl ether	9.66	63	226106	94.894 ug/l		98
56) Bromoform	12.10	173	46834	17.446 ug/l		98
58) 4-Methyl-2-Pentanone	9.95	43	420106	95.870 ug/l		100
59) 2-Hexanone	10.72	43	305516	93.309 ug/l		99
61) Tetrachloroethene	10.60	164	59355	18.791 ug/l		96
62) Toluene	10.13	91	244120	18.711 ug/l		99
64) Chlorobenzene	11.41	112	155544	19.124 ug/l		98
65) 1,1,1,2-Tetrachloroethane	11.48	131	61785	19.229 ug/l		97
66) Ethyl Benzene	11.48	91	281127	18.854 ug/l		98
67) m/p-Xylenes	11.60	106	203740	37.206 ug/l		94
68) o-Xylene	11.92	106	99073	18.397 ug/l		99
69) Styrene	11.94	104	163479	18.214 ug/l		99
70) Isopropylbenzene	12.22	105	264892	18.551 ug/l		99
71) 1,1,2,2-Tetrachloroethane	12.48	83	77820	19.128 ug/l		99
72) 1,2,3-Trichloropropane	12.52	75	84822m	19.578 ug/l		
73) Bromobenzene	12.50	156	65893	18.824 ug/l		99
74) n-propylbenzene	12.57	91	295251	18.142 ug/l		99
75) 2-Chlorotoluene	12.65	91	189061	18.785 ug/l		99
76) 1,3,5-Trimethylbenzene	12.71	105	225206	18.649 ug/l		99
77) t-1,4-Dichloro-2-butene	12.27	75	29947	18.512 ug/l		96
78) 4-Chlorotoluene	12.75	91	194241	18.443 ug/l		100
79) tert-butylbenzene	12.97	119	182894	18.378 ug/l		99
80) 1,2,4-Trimethylbenzene	13.01	105	223531	18.351 ug/l		100
81) sec-Butylbenzene	13.14	105	230440	17.841 ug/l		99
82) p-Isopropyltoluene	13.26	119	213719	18.064 ug/l		97
83) 1,3-Dichlorobenzene	13.26	146	110978	18.252 ug/l		99
84) 1,4-Dichlorobenzene	13.34	146	110224	18.052 ug/l		98
85) n-Butylbenzene	13.59	91	185022	17.934 ug/l		96
86) Hexachloroethane	13.85	117	41189	18.668 ug/l		94
87) 1,2-Dichlorobenzene	13.63	146	109436	18.278 ug/l		98
88) 1,2-Dibromo-3-Chloropropan	14.24	75	20627	20.058 ug/l		98
89) 1,2,4-Trichlorobenzene	14.88	180	59492	17.537 ug/l		99
90) Hexachlorobutadiene	14.98	225	33265	18.219 ug/l		98
91) Naphthalene	15.10	128	187834	18.342 ug/l		99
92) 1,2,3-Trichlorobenzene	15.28	180	61509	18.770 ug/l		93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

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