Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN082020\
Data File : VN063031.D
Acq On : 20 Aug 2020 11:48
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 20 13:56:40 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N082020W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Aug 20 13:39:19 2020
Response via : Initial Calibration

Instrument : MSVOA_N
ClientSampleId : VSTDICC150

Manual Integrations APPROVED
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Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	7.15	128	33079	30.00	ug/l		0.00
28) 1,4-Difluorobenzene	8.55	114	174530	30.00	ug/l		0.00
57) Chlorobenzene-d5	11.38	117	166947	30.00	ug/l		0.00
System Monitoring Compounds							
27) 1,2-Dichloroethane-d4	7.99	65	66892	28.54	ug/l		0.00
Spiked Amount 30.000	Range 50 - 169		Recovery = 95.13%				
60) 4-Bromofluorobenzene	12.38	95	83321	31.58	ug/l		0.00
Spiked Amount 30.000	Range 56 - 143		Recovery = 105.27%				
63) Toluene-d8	10.06	98	225810	29.47	ug/l		0.00
Spiked Amount 30.000	Range 66 - 137		Recovery = 98.23%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.83	85	373356	157.862	ug/l		97
3) Chloromethane	2.03	50	409516	156.480	ug/l		100
4) Vinyl Chloride	2.16	62	409548	155.452	ug/l		100
5) Bromomethane	2.50	94	239845	147.688	ug/l		98
6) Chloroethane	2.65	64	235755	151.410	ug/l		99
7) Trichlorofluoromethane	2.97	101	473710	149.102	ug/l		99
8) Diethyl Ether	3.37	74	161510	152.849	ug/l		98
9) 1,1,2-Trichlorotrifluoroet	3.71	101	242518	141.175	ug/l		99
10) 1,1-Dichloroethene	3.69	96	229299	148.545	ug/l		98
11) Methyl Iodide	3.91	142	351537	165.983	ug/l		97
12) Methyl Acetate	4.27	43	310803	151.053	ug/l		99
13) Acrolein	3.56	56	167979	796.560	ug/l		98
14) Acrylonitrile	4.93	53	695033	771.441	ug/l		97
15) Acetone	3.77	58	184660	708.183	ug/l		95
16) Carbon Disulfide	4.00	76	623058	150.352	ug/l		99
17) Allyl chloride	4.27	41	435157	153.631	ug/l		97
18) Methylene Chloride	4.50	84	291468	134.954	ug/l		99
19) trans-1,2-Dichloroethene	4.99	96	250987	147.863	ug/l		98
20) Diisopropyl ether	5.90	45	1022401	154.115	ug/l		92
21) 1,1-Dichloroethane	5.80	63	528141	145.059	ug/l		99
22) cis-1,2-Dichloroethene	6.78	96	316861	150.633	ug/l		98
23) tert-Butyl Alcohol	4.74	59	214320	726.106	ug/l	#	100
24) Methyl tert-Butyl Ether	4.99	73	884026	156.107	ug/l		98
25) Chloroform	7.33	83	527957	145.607	ug/l		100
26) Cyclohexane	7.61	56	510751	162.958	ug/l	#	98
29) 1,1-Dichloropropene	7.75	75	380201	150.005	ug/l		99
30) 2-Butanone	6.78	43	864974	732.185	ug/l		99
31) 2,2-Dichloropropane	6.78	77	435415	141.331	ug/l		99
32) 1,1,1-Trichloroethane	7.53	97	435084	142.523	ug/l		100
33) Carbon Tetrachloride	7.73	117	375979	144.634	ug/l		96
34) Benzene	8.00	78	1183142	145.664	ug/l	#	89
35) Methacrylonitrile	7.12	41	169405	153.765	ug/l		95
36) 1,2-Dichloroethane	8.08	62	389123	140.424	ug/l		100
37) Trichloroethene	8.80	130	290409	145.996	ug/l		97
38) Methylcyclohexane	9.05	83	520003	163.568	ug/l		96
39) 1,2-Dichloropropane	9.08	63	343123	145.149	ug/l		100
40) Dibromomethane	9.17	93	196610	143.249	ug/l		98

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Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Bromodichloromethane	9.37	83	443573	145.841 ug/l	97
42) Vinyl Acetate	5.84	43	3321585	742.210 ug/l	99
43) Ethyl Acetate	6.88	43	328300	145.597 ug/l	100
44) Isopropyl Acetate	8.12	43	574775	151.842 ug/l	97
45) 1,4-Dioxane	9.17	88	110288	3110.832 ug/l	95
46) Methyl methacrylate	9.17	41	293421	157.441 ug/l	98
47) n-amyl Acetate	12.05	43	560278	166.763 ug/l	96
48) t-1,3-Dichloropropene	10.35	75	496143	154.455 ug/l	96
49) cis-1,3-Dichloropropene	9.81	75	536535	153.450 ug/l	99
50) 1,1,2-Trichloroethane	10.53	97	300334	141.922 ug/l	98
51) Ethyl methacrylate	10.40	69	471919	163.910 ug/l	99
52) 1,3-Dichloropropane	10.68	76	514742	147.228 ug/l	99
53) Dibromochloromethane	10.87	129	347186	149.506 ug/l	100
54) 1,2-Dibromoethane	10.98	107	305093	150.285 ug/l	99
55) 2-Chloroethyl vinyl ether	9.66	63	561543	949.522 ug/l	99
56) Bromoform	12.10	173	264224	155.380 ug/l	96
58) 4-Methyl-2-Pentanone	9.95	43	1828588	761.402 ug/l	98
59) 2-Hexanone	10.72	43	1314040	767.012 ug/l	96
61) Tetrachloroethene	10.60	164	259805	141.956 ug/l	97
62) Toluene	10.12	91	1310119	148.071 ug/l	99
64) Chlorobenzene	11.41	112	827016	151.058 ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.48	131	322588	148.660 ug/l	99
66) Ethyl Benzene	11.48	91	1524003	158.013 ug/l	100
67) m/p-Xylenes	11.60	106	1140742	315.716 ug/l	99
68) o-Xylene	11.92	106	553154	159.373 ug/l	100
69) Styrene	11.94	104	992088	163.627 ug/l	100
70) Isopropylbenzene	12.22	105	1507107	159.622 ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.48	83	443396	146.441 ug/l	99
72) 1,2,3-Trichloropropane	12.53	75	407113m	155.573 ug/l	
73) Bromobenzene	12.50	156	391132	153.614 ug/l	99
74) n-propylbenzene	12.57	91	1811843	159.973 ug/l	99
75) 2-Chlorotoluene	12.65	91	1057728	156.695 ug/l	99
76) 1,3,5-Trimethylbenzene	12.71	105	1303741	161.803 ug/l	99
77) t-1,4-Dichloro-2-butene	12.27	75	159943	168.441 ug/l	92
78) 4-Chlorotoluene	12.75	91	1117514	160.571 ug/l	99
79) tert-butylbenzene	12.97	119	1127835	166.355 ug/l	96
80) 1,2,4-Trimethylbenzene	13.01	105	1307172	166.660 ug/l	100
81) sec-Butylbenzene	13.15	105	1538098	164.693 ug/l	100
82) p-Isopropyltoluene	13.26	119	1391890	168.114 ug/l	99
83) 1,3-Dichlorobenzene	13.26	146	710212	159.754 ug/l	99
84) 1,4-Dichlorobenzene	13.34	146	702996	161.795 ug/l	100
85) n-Butylbenzene	13.59	91	1236773	179.752 ug/l	97
86) Hexachloroethane	13.85	117	258827	158.725 ug/l	98
87) 1,2-Dichlorobenzene	13.63	146	666891	156.630 ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.24	75	78849	164.178 ug/l	95
89) 1,2,4-Trichlorobenzene	14.88	180	395498	188.226 ug/l	99
90) Hexachlorobutadiene	14.98	225	231181	148.646 ug/l	99
91) Naphthalene	15.10	128	895703	192.918 ug/l	98
92) 1,2,3-Trichlorobenzene	15.28	180	382977	182.567 ug/l	98

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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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