Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN010621\
Data File : VN065393.D
Acq On : 6 Jan 2021 12:00
Operator : JC/MD
Sample : VN0106WBS01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jan 07 01:16:44 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 :
VN0106WBS01

Manual Integrations APPROVED
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1/7/2021 4:31:39 PM

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	7.155	128	55649	30.00	ug/l		0.00
28) 1,4-Difluorobenzene	8.550	114	305931	30.00	ug/l		0.00
57) Chlorobenzene-d5	11.379	117	284084	30.00	ug/l		0.00
System Monitoring Compounds							
27) 1,2-Dichloroethane-d4	7.990	65	112158	27.78	ug/l		0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 92.60%				
60) 4-Bromofluorobenzene	12.373	95	128287	28.39	ug/l		0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 94.63%				
63) Toluene-d8	10.058	98	370367	29.39	ug/l		0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 97.97%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.849	85	55625	18.90	ug/l		100
3) Chloromethane	2.055	50	69346	20.10	ug/l		99
4) Vinyl Chloride	2.180	62	73637	20.30	ug/l		100
5) Bromomethane	2.541	94	54147	20.68	ug/l		93
6) Chloroethane	2.685	64	47548	20.52	ug/l		97
7) Trichlorofluoromethane	3.000	101	100778	19.14	ug/l		94
8) Diethyl Ether	3.386	74	39595	20.63	ug/l		89
9) 1,1,2-Trichlorotrifluo...	3.727	101	60876	20.82	ug/l	#	45
10) 1,1-Dichloroethene	3.701	96	60543	20.42	ug/l		83
11) Methyl Iodide	3.917	142	88514	20.14	ug/l		85
12) Methyl Acetate	4.293	43	60844	19.79	ug/l		94
13) Acrolein	3.579	56	52464	125.07	ug/l		100
14) Acrylonitrile	4.946	53	140243	97.63	ug/l		96
15) Acetone	3.788	58	50943	112.00	ug/l	#	65
16) Carbon Disulfide	4.013	76	155201	18.13	ug/l		98
17) Allyl chloride	4.283	41	92878	17.74	ug/l		90
18) Methylene Chloride	4.512	84	67011	19.73	ug/l		90
19) trans-1,2-Dichloroethene	4.994	96	63713	19.57	ug/l		87
20) Diisopropyl ether	5.917	45	194578	18.54	ug/l		93
21) 1,1-Dichloroethane	5.804	63	114941	19.50	ug/l		96
22) cis-1,2-Dichloroethene	6.788	96	73313	19.59	ug/l		84
23) tert-Butyl Alcohol	4.772	59	50416	82.73	ug/l	#	100
24) Methyl tert-Butyl Ether	5.010	73	187130	18.08	ug/l	#	82
25) Chloroform	7.331	83	117371	19.30	ug/l		98
26) Cyclohexane	7.611	56	96254	18.49	ug/l	#	90
29) 1,1-Dichloropropene	7.753	75	87004	19.25	ug/l		96
30) 2-Butanone	6.801	43	189381	91.90	ug/l	#	75
31) 2,2-Dichloropropane	6.778	77	97571	17.61	ug/l		97
32) 1,1,1-Trichloroethane	7.531	97	99949	18.37	ug/l		96
33) Carbon Tetrachloride	7.733	117	86201	18.00	ug/l		97
34) Benzene	8.003	78	267802	20.10	ug/l		94
35) Methacrylonitrile	7.132	41	39114	20.56	ug/l		88
36) 1,2-Dichloroethane	8.087	62	88610	17.97	ug/l	#	92
37) Trichloroethene	8.801	130	79038	20.72	ug/l		89
38) Methylcyclohexane	9.045	83	105517	19.03	ug/l		92
39) 1,2-Dichloropropane	9.084	63	69105	19.87	ug/l		98
40) Dibromomethane	9.174	93	45553	19.43	ug/l		79
41) Bromodichloromethane	9.370	83	90599	18.17	ug/l		99
42) Vinyl Acetate	5.852	43	802037	89.88	ug/l		96

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N122120W.M
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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
43) Ethyl Acetate	6.894	43	76775	18.97	ug/l		97
44) Isopropyl Acetate	8.132	43	130029	17.04	ug/l	#	87
45) 1,4-Dioxane	9.171	88	22939	397.94	ug/l	#	89
46) Methyl methacrylate	9.167	41	62164	17.16	ug/l		85
47) n-amyl Acetate	12.045	43	108196	16.89	ug/l		98
48) t-1,3-Dichloropropene	10.351	75	98754	17.62	ug/l		99
49) cis-1,3-Dichloropropene	9.807	75	108609	18.34	ug/l	#	88
50) 1,1,2-Trichloroethane	10.531	97	66846	20.25	ug/l		95
51) Ethyl methacrylate	10.399	69	93158	18.06	ug/l		86
52) 1,3-Dichloropropane	10.679	76	110529	20.07	ug/l		100
53) Dibromochloromethane	10.871	129	73197	18.56	ug/l		98
54) 1,2-Dibromoethane	10.978	107	69759	19.74	ug/l		98
55) 2-Chloroethyl vinyl ether	9.662	63	191639	75.06	ug/l		96
56) Bromoform	12.100	173	53690	17.59	ug/l	#	96
58) 4-Methyl-2-Pentanone	9.952	43	383447	88.32	ug/l	#	92
59) 2-Hexanone	10.724	43	277016	86.60	ug/l		90
61) Tetrachloroethene	10.601	164	91190	21.39	ug/l		87
62) Toluene	10.122	91	295091	19.54	ug/l		99
64) Chlorobenzene	11.405	112	185914	19.96	ug/l		99
65) 1,1,1,2-Tetrachloroethane	11.479	131	69883	18.96	ug/l		99
66) Ethyl Benzene	11.482	91	324355	19.25	ug/l		97
67) m/p-Xylenes	11.595	106	249164	39.17	ug/l		93
68) o-Xylene	11.920	106	119204	19.40	ug/l		97
69) Styrene	11.936	104	197078	19.09	ug/l		95
70) Isopropylbenzene	12.222	105	319227	19.47	ug/l		98
71) 1,1,2,2-Tetrachloroethane	12.476	83	85717	19.30	ug/l		96
72) 1,2,3-Trichloropropane	12.527	75	92126m	20.37	ug/l		
73) Bromobenzene	12.498	156	86580	20.25	ug/l		74
74) n-propylbenzene	12.566	91	358196	19.23	ug/l		95
75) 2-Chlorotoluene	12.646	91	214426	19.45	ug/l		91
76) 1,3,5-Trimethylbenzene	12.707	105	270633	19.34	ug/l		93
77) t-1,4-Dichloro-2-butene	12.273	75	29416	16.56	ug/l		90
78) 4-Chlorotoluene	12.746	91	213945	19.15	ug/l		92
79) tert-butylbenzene	12.968	119	231466	19.39	ug/l		90
80) 1,2,4-Trimethylbenzene	13.013	105	270981	19.58	ug/l		97
81) sec-Butylbenzene	13.145	105	303492	19.38	ug/l		96
82) p-Isopropyltoluene	13.264	119	279114	19.30	ug/l		96
83) 1,3-Dichlorobenzene	13.257	146	141472	19.97	ug/l		95
84) 1,4-Dichlorobenzene	13.338	146	136180	19.29	ug/l		94
85) n-Butylbenzene	13.588	91	227056	18.34	ug/l		95
86) Hexachloroethane	13.849	117	44738	17.04	ug/l		64
87) 1,2-Dichlorobenzene	13.627	146	140709	20.50	ug/l		93
88) 1,2-Dibromo-3-Chloropr...	14.241	75	15067	16.22	ug/l	#	65
89) 1,2,4-Trichlorobenzene	14.881	180	65640	17.82	ug/l		94
90) Hexachlorobutadiene	14.981	225	50490	20.70	ug/l		97
91) Naphthalene	15.103	128	156972	15.94	ug/l		99
92) 1,2,3-Trichlorobenzene	15.283	180	63724	18.43	ug/l		96

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

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