Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN033021\
Data File : VN066415.D
Acq On : 30 Mar 2021 10:52
Operator : JC/MD
Sample : VSTDCCC020
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Manual Integrations APPROVED
MMDadoda
3/31/2021 1:35:20 PM

Quant Time: Mar 31 02:52:56 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N032421W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Mar 25 05:52:50 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	7.102	128	68267	30.00	ug/l		0.00
28) 1,4-Difluorobenzene	8.513	114	367401	30.00	ug/l		0.00
57) Chlorobenzene-d5	11.347	117	339007	30.00	ug/l		0.00
System Monitoring Compounds							
27) 1,2-Dichloroethane-d4	7.944	65	157153	29.95	ug/l		0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 99.83%				
60) 4-Bromofluorobenzene	12.345	95	152715	28.87	ug/l		0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 96.23%				
63) Toluene-d8	10.025	98	469156	29.49	ug/l		0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 98.30%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.818	85	80204	21.01	ug/l		95
3) Chloromethane	2.017	50	104154	21.70	ug/l		99
4) Vinyl Chloride	2.146	62	114498	22.70	ug/l		98
5) Bromomethane	2.510	94	77994	21.85	ug/l		99
6) Chloroethane	2.647	64	73204	22.66	ug/l		98
7) Trichlorofluoromethane	2.958	101	152681	20.98	ug/l		98
8) Diethyl Ether	3.339	74	48812	19.86	ug/l		98
9) 1,1,2-Trichlorotrifluo...	3.682	101	77541	21.77	ug/l		99
10) 1,1-Dichloroethene	3.661	96	71150	20.18	ug/l		92
11) Methyl Iodide	3.873	142	104886	20.68	ug/l		100
12) Methyl Acetate	4.227	43	123137	22.50	ug/l		99
13) Acrolein	3.524	56	31820	95.53	ug/l		99
14) Acrylonitrile	4.870	53	237923	105.41	ug/l		99
15) Acetone	3.728	58	81624	124.19	ug/l		92
16) Carbon Disulfide	3.969	76	198978	20.38	ug/l		99
17) Allyl chloride	4.229	41	114940	18.05	ug/l		98
18) Methylene Chloride	4.455	84	89384	21.22	ug/l		98
19) trans-1,2-Dichloroethene	4.932	96	80319	20.72	ug/l		96
20) Diisopropyl ether	5.844	45	289639	20.72	ug/l		96
21) 1,1-Dichloroethane	5.745	63	160712	21.24	ug/l		99
22) cis-1,2-Dichloroethene	6.726	96	96591	20.81	ug/l	#	88
23) tert-Butyl Alcohol	4.675	59	82545	89.08	ug/l	#	100
24) Methyl tert-Butyl Ether	4.927	73	268195	19.94	ug/l		97
25) Chloroform	7.282	83	159318	20.84	ug/l		93
26) Cyclohexane	7.566	56	134268	20.01	ug/l	#	99
29) 1,1-Dichloropropene	7.708	75	113045	20.58	ug/l		98
30) 2-Butanone	6.732	43	349508	108.53	ug/l		99
31) 2,2-Dichloropropane	6.721	77	141438	20.78	ug/l		99
32) 1,1,1-Trichloroethane	7.483	97	136511	20.50	ug/l		98
33) Carbon Tetrachloride	7.689	117	114316	20.33	ug/l		93
34) Benzene	7.960	78	360589	21.53	ug/l		99
35) Methacrylonitrile	7.083	41	60190m	22.10	ug/l		
36) 1,2-Dichloroethane	8.043	62	128734	20.99	ug/l		99
37) Trichloroethene	8.762	130	91234	20.89	ug/l		100
38) Methylcyclohexane	9.009	83	135736	19.97	ug/l		99
39) 1,2-Dichloropropane	9.046	63	97384	21.49	ug/l		99
40) Dibromomethane	9.137	93	63024	21.62	ug/l		98
41) Bromodichloromethane	9.333	83	128625	20.86	ug/l		97
42) Vinyl Acetate	5.788	43	1209780	99.68	ug/l		100

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
43) Ethyl Acetate	6.828	43	129105	20.82	ug/l	#	100
44) Isopropyl Acetate	8.083	43	221134	19.97	ug/l	#	100
45) 1,4-Dioxane	9.127	88	25254	357.46	ug/l		98
46) Methyl methacrylate	9.129	41	97130	18.78	ug/l		95
47) n-amyl Acetate	12.018	43	89343	17.69	ug/l		99
48) t-1,3-Dichloropropene	10.320	75	137084	20.46	ug/l		100
49) cis-1,3-Dichloropropene	9.773	75	147226	20.44	ug/l		97
50) 1,1,2-Trichloroethane	10.500	97	91412	21.92	ug/l		99
51) Ethyl methacrylate	10.368	69	127856	19.59	ug/l		96
52) 1,3-Dichloropropane	10.645	76	152048	21.87	ug/l		98
53) Dibromochloromethane	10.840	129	97299	20.76	ug/l		99
54) 1,2-Dibromoethane	10.942	107	90392	21.06	ug/l		98
55) 2-Chloroethyl vinyl ether	9.628	63	94935	97.82	ug/l		99
56) Bromoform	12.069	173	70066	20.38	ug/l	#	99
58) 4-Methyl-2-Pentanone	9.918	43	676498	99.60	ug/l		99
59) 2-Hexanone	10.690	43	466219	99.75	ug/l		98
61) Tetrachloroethene	10.570	164	91163	19.53	ug/l		99
62) Toluene	10.092	91	386366	20.59	ug/l		98
64) Chlorobenzene	11.374	112	228739	20.74	ug/l		99
65) 1,1,1,2-Tetrachloroethane	11.449	131	88240	20.40	ug/l		99
66) Ethyl Benzene	11.452	91	409299	20.24	ug/l		99
67) m/p-Xylenes	11.562	106	309606	41.20	ug/l		97
68) o-Xylene	11.889	106	149459	20.16	ug/l		98
69) Styrene	11.908	104	235611	19.83	ug/l		98
70) Isopropylbenzene	12.192	105	393179	20.15	ug/l		100
71) 1,1,2,2-Tetrachloroethane	12.447	83	134672	21.55	ug/l		98
72) 1,2,3-Trichloropropane	12.495	75	119001m	19.73	ug/l		
73) Bromobenzene	12.466	156	99913	20.77	ug/l		99
74) n-propylbenzene	12.533	91	449014	20.82	ug/l		100
75) 2-Chlorotoluene	12.616	91	266493	20.41	ug/l		98
76) 1,3,5-Trimethylbenzene	12.678	105	323867	20.17	ug/l		99
77) t-1,4-Dichloro-2-butene	12.246	75	38432	19.64	ug/l		95
78) 4-Chlorotoluene	12.715	91	263432	20.57	ug/l		99
79) tert-butylbenzene	12.935	119	276511	19.81	ug/l		99
80) 1,2,4-Trimethylbenzene	12.983	105	312672	20.07	ug/l		99
81) sec-Butylbenzene	13.115	105	366413	20.56	ug/l		100
82) p-Isopropyltoluene	13.233	119	316275	20.15	ug/l		99
83) 1,3-Dichlorobenzene	13.225	146	168842	21.41	ug/l		99
84) 1,4-Dichlorobenzene	13.308	146	175424	22.85	ug/l		93
85) n-Butylbenzene	13.557	91	265282	20.72	ug/l		99
86) Hexachloroethane	13.815	117	57143	19.72	ug/l		99
87) 1,2-Dichlorobenzene	13.595	146	168279	21.57	ug/l		99
88) 1,2-Dibromo-3-Chloropr...	14.214	75	25142	19.72	ug/l		97
89) 1,2,4-Trichlorobenzene	14.850	180	104120	20.91	ug/l		100
90) Hexachlorobutadiene	14.947	225	58005	21.50	ug/l		100
91) Naphthalene	15.070	128	299974	19.79	ug/l		100
92) 1,2,3-Trichlorobenzene	15.247	180	101737	20.86	ug/l		98

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

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