Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032521\
Data File : VN066328.D
Acq On : 25 Mar 2021 13:14
Operator : JC/MD
Sample : VSTDCCC020
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Manual Integrations APPROVED
SAM
3/29/2021 5:11:59 PM

Quant Time: Mar 26 04:39:34 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	84957	30.00	ug/l		0.00
28) 1,4-Difluorobenzene	8.513	114	453314	30.00	ug/l		0.00
57) Chlorobenzene-d5	11.350	117	416361	30.00	ug/l		0.00
System Monitoring Compounds							
27) 1,2-Dichloroethane-d4	7.947	65	188011	28.79	ug/l		0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 95.97%				
60) 4-Bromofluorobenzene	12.345	95	199691	30.73	ug/l		0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 102.43%				
63) Toluene-d8	10.028	98	563137	28.82	ug/l		0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 96.07%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.816	85	90959	19.14	ug/l		98
3) Chloromethane	2.014	50	116400	19.49	ug/l		100
4) Vinyl Chloride	2.146	62	123074	19.60	ug/l		99
5) Bromomethane	2.516	94	90037	20.26	ug/l		94
6) Chloroethane	2.650	64	80466	20.01	ug/l		100
7) Trichlorofluoromethane	2.961	101	181786	20.08	ug/l		98
8) Diethyl Ether	3.342	74	73962	24.18	ug/l		95
9) 1,1,2-Trichlorotrifluo...	3.680	101	106004	23.92	ug/l		98
10) 1,1-Dichloroethene	3.656	96	103073	23.49	ug/l		99
11) Methyl Iodide	3.865	142	147991	23.45	ug/l		98
12) Methyl Acetate	4.235	43	186131	27.33	ug/l		99
13) Acrolein	3.529	56	46437	117.02	ug/l		96
14) Acrylonitrile	4.878	53	270161	96.18	ug/l		99
15) Acetone	3.736	58	101012	123.50	ug/l		94
16) Carbon Disulfide	3.961	76	286874	23.61	ug/l		98
17) Allyl chloride	4.227	41	197727	24.94	ug/l		100
18) Methylene Chloride	4.447	84	126264	24.08	ug/l		97
19) trans-1,2-Dichloroethene	4.924	96	91991	19.07	ug/l		97
20) Diisopropyl ether	5.857	45	332275	19.10	ug/l		98
21) 1,1-Dichloroethane	5.742	63	181821	19.31	ug/l		99
22) cis-1,2-Dichloroethene	6.732	96	112055	19.40	ug/l	#	88
23) tert-Butyl Alcohol	4.710	59	105311	91.32	ug/l	#	100
24) Methyl tert-Butyl Ether	4.940	73	313791	18.75	ug/l		100
25) Chloroform	7.284	83	185806	19.53	ug/l		93
26) Cyclohexane	7.566	56	155308	18.60	ug/l	#	98
29) 1,1-Dichloropropene	7.708	75	133338	19.67	ug/l		99
30) 2-Butanone	6.748	43	377229	94.94	ug/l		99
31) 2,2-Dichloropropane	6.721	77	165393	19.70	ug/l		99
32) 1,1,1-Trichloroethane	7.483	97	160068	19.48	ug/l		98
33) Carbon Tetrachloride	7.689	117	135212	19.49	ug/l		96
34) Benzene	7.960	78	402823	19.50	ug/l		96
35) Methacrylonitrile	7.078	41	74119	22.05	ug/l		95
36) 1,2-Dichloroethane	8.046	62	147453	19.48	ug/l		99
37) Trichloroethene	8.765	130	108598	20.15	ug/l		100
38) Methylcyclohexane	9.009	83	160695	19.16	ug/l		99
39) 1,2-Dichloropropane	9.049	63	110242	19.72	ug/l		98
40) Dibromomethane	9.140	93	72400	20.13	ug/l		99
41) Bromodichloromethane	9.336	83	151980	19.97	ug/l		99
42) Vinyl Acetate	5.796	43	1426980	95.29	ug/l		99

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
43) Ethyl Acetate	6.842	43	149967	19.60	ug/l	#	100
44) Isopropyl Acetate	8.094	43	261974	19.17	ug/l	#	100
45) 1,4-Dioxane	9.135	88	34909	400.47	ug/l		98
46) Methyl methacrylate	9.135	41	123579	19.36	ug/l		96
47) n-amyl Acetate	12.015	43	157893	22.69	ug/l		99
48) t-1,3-Dichloropropene	10.320	75	160973	19.47	ug/l		98
49) cis-1,3-Dichloropropene	9.776	75	177547	19.98	ug/l		97
50) 1,1,2-Trichloroethane	10.500	97	102376	19.89	ug/l		99
51) Ethyl methacrylate	10.368	69	157025	19.50	ug/l		97
52) 1,3-Dichloropropane	10.647	76	170987	19.93	ug/l		100
53) Dibromochloromethane	10.841	129	114056	19.73	ug/l		97
54) 1,2-Dibromoethane	10.945	107	105753	19.97	ug/l		99
55) 2-Chloroethyl vinyl ether	9.631	63	57343	47.89	ug/l		98
56) Bromoform	12.069	173	87314	20.58	ug/l	#	99
58) 4-Methyl-2-Pentanone	9.921	43	768496	92.12	ug/l		100
59) 2-Hexanone	10.693	43	546111	95.14	ug/l		99
61) Tetrachloroethene	10.570	164	113392	19.78	ug/l		100
62) Toluene	10.092	91	441260	19.14	ug/l		100
64) Chlorobenzene	11.374	112	270578	19.98	ug/l		99
65) 1,1,1,2-Tetrachloroethane	11.449	131	102169	19.23	ug/l		97
66) Ethyl Benzene	11.452	91	486896	19.61	ug/l		99
67) m/p-Xylenes	11.562	106	368397	39.92	ug/l		97
68) o-Xylene	11.889	106	179748	19.74	ug/l		100
69) Styrene	11.905	104	291240	19.96	ug/l		98
70) Isopropylbenzene	12.192	105	475538	19.84	ug/l		100
71) 1,1,2,2-Tetrachloroethane	12.447	83	153603	20.01	ug/l		100
72) 1,2,3-Trichloropropane	12.498	75	144337m	19.48	ug/l		
73) Bromobenzene	12.468	156	121806	20.62	ug/l		98
74) n-propylbenzene	12.536	91	527407	19.91	ug/l		99
75) 2-Chlorotoluene	12.619	91	317898	19.82	ug/l		99
76) 1,3,5-Trimethylbenzene	12.678	105	391950	19.88	ug/l		99
77) t-1,4-Dichloro-2-butene	12.243	75	45790	19.05	ug/l		98
78) 4-Chlorotoluene	12.718	91	306727	19.50	ug/l		97
79) tert-butylbenzene	12.938	119	335928	19.60	ug/l		98
80) 1,2,4-Trimethylbenzene	12.983	105	374745	19.59	ug/l		98
81) sec-Butylbenzene	13.115	105	432836	19.78	ug/l		100
82) p-Isopropyltoluene	13.233	119	385532	20.00	ug/l		99
83) 1,3-Dichlorobenzene	13.225	146	198283	20.47	ug/l		99
84) 1,4-Dichlorobenzene	13.308	146	192721	20.44	ug/l		97
85) n-Butylbenzene	13.560	91	314320	19.99	ug/l		100
86) Hexachloroethane	13.815	117	68918	19.36	ug/l		99
87) 1,2-Dichlorobenzene	13.598	146	188761	19.70	ug/l		99
88) 1,2-Dibromo-3-Chloropr...	14.217	75	28412	18.15	ug/l		99
89) 1,2,4-Trichlorobenzene	14.853	180	114899	18.79	ug/l		99
90) Hexachlorobutadiene	14.949	225	63144	19.06	ug/l		98
91) Naphthalene	15.070	128	330564	17.76	ug/l		99
92) 1,2,3-Trichlorobenzene	15.247	180	114626	19.14	ug/l		100

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

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