Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032521\
Data File : VN066325.D
Acq On : 25 Mar 2021 11:43
Operator : JC/MD
Sample : VN0325WBSD01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 26 04:38:47 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

Instrument :
MSVOA_N
ClientSampleId :
VN0325WBSD01

Manual Integrations APPROVED
SAM
3/29/2021 5:11:37 PM

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	7.104	128	78509	30.00	ug/l		0.00
28) 1,4-Difluorobenzene	8.515	114	426342	30.00	ug/l		0.00
57) Chlorobenzene-d5	11.347	117	365578	30.00	ug/l		0.00
System Monitoring Compounds							
27) 1,2-Dichloroethane-d4	7.947	65	179633	29.77	ug/l		0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 99.23%				
60) 4-Bromofluorobenzene	12.345	95	165228	28.96	ug/l		0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 96.53%				
63) Toluene-d8	10.028	98	522709	30.47	ug/l		0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 101.57%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.821	85	85213	19.41	ug/l		98
3) Chloromethane	2.017	50	109842	19.90	ug/l		98
4) Vinyl Chloride	2.148	62	116275	20.04	ug/l		99
5) Bromomethane	2.518	94	82962	20.21	ug/l		99
6) Chloroethane	2.655	64	77057	20.74	ug/l		98
7) Trichlorofluoromethane	2.964	101	171503	20.50	ug/l		100
8) Diethyl Ether	3.342	74	56501	19.99	ug/l		100
9) 1,1,2-Trichlorotrifluo...	3.688	101	80589	19.68	ug/l		97
10) 1,1-Dichloroethene	3.664	96	80806	19.93	ug/l		93
11) Methyl Iodide	3.875	142	119009	20.41	ug/l		98
12) Methyl Acetate	4.237	43	133045	21.14	ug/l		99
13) Acrolein	3.535	56	34906	89.79	ug/l		97
14) Acrylonitrile	4.878	53	260353	100.30	ug/l		97
15) Acetone	3.739	58	67516	89.32	ug/l		96
16) Carbon Disulfide	3.972	76	219572	19.55	ug/l		99
17) Allyl chloride	4.235	41	151495	20.68	ug/l		97
18) Methylene Chloride	4.457	84	96387	19.90	ug/l		99
19) trans-1,2-Dichloroethene	4.940	96	89297	20.03	ug/l		99
20) Diisopropyl ether	5.855	45	323030	20.09	ug/l		97
21) 1,1-Dichloroethane	5.747	63	178172	20.47	ug/l		99
22) cis-1,2-Dichloroethene	6.729	96	105666	19.79	ug/l		100
23) tert-Butyl Alcohol	4.688	59	109512	102.76	ug/l	#	100
24) Methyl tert-Butyl Ether	4.937	73	316053m	20.44	ug/l		
25) Chloroform	7.287	83	172884	19.67	ug/l		94
26) Cyclohexane	7.571	56	147859	19.16	ug/l	#	97
29) 1,1-Dichloropropene	7.711	75	125563	19.69	ug/l		97
30) 2-Butanone	6.737	43	368330	98.57	ug/l		100
31) 2,2-Dichloropropane	6.726	77	154213	19.53	ug/l		100
32) 1,1,1-Trichloroethane	7.488	97	155032	20.06	ug/l		99
33) Carbon Tetrachloride	7.695	117	128292	19.66	ug/l		94
34) Benzene	7.965	78	387715	19.95	ug/l		98
35) Methacrylonitrile	7.078	41	62929	19.91	ug/l		99
36) 1,2-Dichloroethane	8.049	62	140749	19.77	ug/l		100
37) Trichloroethene	8.765	130	101445	20.02	ug/l		99
38) Methylcyclohexane	9.014	83	150689	19.10	ug/l		99
39) 1,2-Dichloropropane	9.049	63	104669	19.90	ug/l		99
40) Dibromomethane	9.140	93	67168	19.86	ug/l		99
41) Bromodichloromethane	9.336	83	141579	19.78	ug/l		98
42) Vinyl Acetate	5.793	43	1397927	99.26	ug/l		100

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
43) Ethyl Acetate	6.834	43	147817	20.54	ug/l	#	100
44) Isopropyl Acetate	8.089	43	253870	19.75	ug/l	#	100
45) 1,4-Dioxane	9.137	88	33335	406.61	ug/l		98
46) Methyl methacrylate	9.132	41	115635	19.27	ug/l		97
47) n-amyl Acetate	12.021	43	97667	17.02	ug/l		96
48) t-1,3-Dichloropropene	10.320	75	151339	19.46	ug/l		98
49) cis-1,3-Dichloropropene	9.776	75	163973	19.62	ug/l		98
50) 1,1,2-Trichloroethane	10.500	97	95872	19.81	ug/l		99
51) Ethyl methacrylate	10.371	69	147337	19.45	ug/l		98
52) 1,3-Dichloropropane	10.647	76	159712	19.79	ug/l		99
53) Dibromochloromethane	10.840	129	106495	19.58	ug/l		100
54) 1,2-Dibromoethane	10.945	107	99231	19.92	ug/l		98
55) 2-Chloroethyl vinyl ether	9.631	63	82868	73.58	ug/l		98
56) Bromoform	12.072	173	76296	19.12	ug/l	#	98
58) 4-Methyl-2-Pentanone	9.921	43	754392	102.99	ug/l		100
59) 2-Hexanone	10.693	43	504466	100.09	ug/l		100
61) Tetrachloroethene	10.570	164	106543	21.17	ug/l		97
62) Toluene	10.092	91	410581	20.29	ug/l		100
64) Chlorobenzene	11.374	112	239183	20.11	ug/l		99
65) 1,1,1,2-Tetrachloroethane	11.449	131	96832	20.76	ug/l		100
66) Ethyl Benzene	11.455	91	437205	20.05	ug/l		98
67) m/p-Xylenes	11.565	106	321830	39.72	ug/l		99
68) o-Xylene	11.892	106	158430	19.81	ug/l		100
69) Styrene	11.908	104	250073	19.52	ug/l		99
70) Isopropylbenzene	12.192	105	418186	19.87	ug/l		100
71) 1,1,2,2-Tetrachloroethane	12.447	83	140028	20.78	ug/l		100
72) 1,2,3-Trichloropropane	12.498	75	132857m	20.42	ug/l		
73) Bromobenzene	12.468	156	101875	19.64	ug/l		99
74) n-propylbenzene	12.535	91	454603	19.54	ug/l		99
75) 2-Chlorotoluene	12.616	91	278227	19.76	ug/l		100
76) 1,3,5-Trimethylbenzene	12.678	105	344449	19.89	ug/l		99
77) t-1,4-Dichloro-2-butene	12.246	75	39242	18.60	ug/l		95
78) 4-Chlorotoluene	12.715	91	267753	19.38	ug/l		99
79) tert-butylbenzene	12.938	119	295283	19.62	ug/l		99
80) 1,2,4-Trimethylbenzene	12.983	105	328955	19.58	ug/l		99
81) sec-Butylbenzene	13.115	105	375684	19.55	ug/l		100
82) p-Isopropyltoluene	13.233	119	336125	19.86	ug/l		99
83) 1,3-Dichlorobenzene	13.227	146	172368	20.27	ug/l		100
84) 1,4-Dichlorobenzene	13.308	146	170660	20.61	ug/l		98
85) n-Butylbenzene	13.560	91	259893	18.82	ug/l		99
86) Hexachloroethane	13.815	117	61599	19.71	ug/l		100
87) 1,2-Dichlorobenzene	13.598	146	176819	21.01	ug/l		99
88) 1,2-Dibromo-3-Chloropr...	14.214	75	29657	21.57	ug/l		99
89) 1,2,4-Trichlorobenzene	14.850	180	110420	20.57	ug/l		98
90) Hexachlorobutadiene	14.949	225	59403	20.42	ug/l		98
91) Naphthalene	15.070	128	344542	21.08	ug/l		99
92) 1,2,3-Trichlorobenzene	15.247	180	112300	21.36	ug/l		97

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

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