Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN072020\
Data File : VN062556.D
Acq On : 20 Jul 2020 12:46
Operator : JC/MD
Sample : VN0720WBS01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : VN0720WBS01

Quant Time: Jul 21 01:16:55 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N071320W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Tue Jul 14 00:52:57 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	7.15	128	36131	30.00	ug/l		0.00
28) 1,4-Difluorobenzene	8.55	114	199549	30.00	ug/l		0.00
57) Chlorobenzene-d5	11.38	117	186455	30.00	ug/l		0.00
System Monitoring Compounds							
27) 1,2-Dichloroethane-d4	7.99	65	95202	30.67	ug/l		0.00
Spiked Amount 30.000	Range 50 - 169		Recovery = 102.23%				
60) 4-Bromofluorobenzene	12.37	95	96799	30.51	ug/l		0.00
Spiked Amount 30.000	Range 56 - 143		Recovery = 101.70%				
63) Toluene-d8	10.06	98	264811	30.06	ug/l		0.00
Spiked Amount 30.000	Range 66 - 137		Recovery = 100.20%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.83	85	44386	20.813	ug/l		100
3) Chloromethane	2.04	50	60502	19.648	ug/l		99
4) Vinyl Chloride	2.16	62	54128	20.109	ug/l		97
5) Bromomethane	2.54	94	25658	19.214	ug/l		92
6) Chloroethane	2.67	64	26645	20.108	ug/l		98
7) Trichlorofluoromethane	2.98	101	64100	20.318	ug/l		97
8) Diethyl Ether	3.37	74	30731	20.263	ug/l		100
9) 1,1,2-Trichlorotrifluoroet	3.72	101	42868	21.019	ug/l		97
10) 1,1-Dichloroethene	3.69	96	42430	20.393	ug/l		96
11) Methyl Iodide	3.91	142	46284	18.165	ug/l		99
12) Methyl Acetate	4.28	43	57066m	20.451	ug/l		
13) Acrolein	3.57	56	34794	83.457	ug/l		96
14) Acrylonitrile	4.93	53	129358	99.678	ug/l		99
15) Acetone	3.78	58	35295	88.596	ug/l		94
16) Carbon Disulfide	4.01	76	133793	19.733	ug/l		99
17) Allyl chloride	4.28	41	91368	20.648	ug/l		96
18) Methylene Chloride	4.50	84	54024	21.102	ug/l		96
19) trans-1,2-Dichloroethene	4.99	96	46364	20.134	ug/l		94
20) Diisopropyl ether	5.90	45	187338	20.595	ug/l		99
21) 1,1-Dichloroethane	5.79	63	98879	20.561	ug/l		98
22) cis-1,2-Dichloroethene	6.77	96	53732	20.690	ug/l		99
23) tert-Butyl Alcohol	4.73	59	46840	107.849	ug/l	#	100
24) Methyl tert-Butyl Ether	4.99	73	155932	20.328	ug/l		99
25) Chloroform	7.33	83	94946	21.528	ug/l		99
26) Cyclohexane	7.61	56	84272	19.881	ug/l	#	97
29) 1,1-Dichloropropene	7.75	75	71781	21.207	ug/l		98
30) 2-Butanone	6.79	43	176352	98.240	ug/l		98
31) 2,2-Dichloropropane	6.77	77	80735	21.153	ug/l	#	72
32) 1,1,1-Trichloroethane	7.53	97	79731	21.916	ug/l		97
33) Carbon Tetrachloride	7.73	117	67608	21.438	ug/l		98
34) Benzene	8.00	78	211138	20.996	ug/l		98
35) Methacrylonitrile	7.12	41	28401	18.011	ug/l		98
36) 1,2-Dichloroethane	8.08	62	77504	21.444	ug/l		100
37) Trichloroethene	8.80	130	47753	21.141	ug/l		95
38) Methylcyclohexane	9.05	83	76124	20.048	ug/l		99
39) 1,2-Dichloropropane	9.08	63	59761	20.860	ug/l		98
40) Dibromomethane	9.18	93	35048	21.228	ug/l		98

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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Bromodichloromethane	9.37	83	74912	21.392 ug/l	97
42) Vinyl Acetate	5.84	43	762551	102.225 ug/l	100
43) Ethyl Acetate	6.88	43	76041	21.070 ug/l	99
44) Isopropyl Acetate	8.12	43	121363	20.043 ug/l	97
45) 1,4-Dioxane	9.16	88	16981	409.958 ug/l	97
46) Methyl methacrylate	9.17	41	56283	19.593 ug/l	96
47) n-amyl Acetate	12.04	43	98799	19.356 ug/l	99
48) t-1,3-Dichloropropene	10.35	75	83472	20.436 ug/l	98
49) cis-1,3-Dichloropropene	9.81	75	92080	20.884 ug/l	98
50) 1,1,2-Trichloroethane	10.53	97	50434	21.792 ug/l	96
51) Ethyl methacrylate	10.40	69	77199	19.812 ug/l	99
52) 1,3-Dichloropropane	10.68	76	87846	20.682 ug/l	97
53) Dibromochloromethane	10.87	129	54346	21.553 ug/l	100
54) 1,2-Dibromoethane	10.98	107	50342	21.252 ug/l	99
55) 2-Chloroethyl vinyl ether	9.66	63	115383	92.713 ug/l	99
56) Bromoform	12.10	173	36210	21.025 ug/l	98
58) 4-Methyl-2-Pentanone	9.95	43	374366	103.053 ug/l	100
59) 2-Hexanone	10.72	43	263204	98.791 ug/l	100
61) Tetrachloroethene	10.60	164	40944	21.443 ug/l	92
62) Toluene	10.12	91	222423	21.028 ug/l	100
64) Chlorobenzene	11.40	112	130066	20.926 ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.48	131	48766	21.196 ug/l	98
66) Ethyl Benzene	11.48	91	237175	20.248 ug/l	99
67) m/p-Xylenes	11.59	106	175269	41.225 ug/l	99
68) o-Xylene	11.92	106	81291	19.924 ug/l	98
69) Styrene	11.94	104	139172	20.097 ug/l	99
70) Isopropylbenzene	12.22	105	224601	20.506 ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.48	83	72390	20.450 ug/l	99
72) 1,2,3-Trichloropropane	12.53	75	63597m	18.470 ug/l	
73) Bromobenzene	12.50	156	51798	20.420 ug/l	100
74) n-propylbenzene	12.56	91	270172	20.751 ug/l	99
75) 2-Chlorotoluene	12.65	91	159429	20.339 ug/l	98
76) 1,3,5-Trimethylbenzene	12.71	105	190419	20.404 ug/l	100
77) t-1,4-Dichloro-2-butene	12.27	75	24752	19.220 ug/l	97
78) 4-Chlorotoluene	12.75	91	162345	20.297 ug/l	99
79) tert-butylbenzene	12.97	119	159412	20.628 ug/l	99
80) 1,2,4-Trimethylbenzene	13.01	105	185359	20.194 ug/l	99
81) sec-Butylbenzene	13.15	105	212176	20.445 ug/l	99
82) p-Isopropyltoluene	13.27	119	184478	20.143 ug/l	100
83) 1,3-Dichlorobenzene	13.26	146	91319	20.730 ug/l	99
84) 1,4-Dichlorobenzene	13.34	146	89909	20.683 ug/l	98
85) n-Butylbenzene	13.59	91	152902	19.463 ug/l	100
86) Hexachloroethane	13.85	117	34957	19.781 ug/l	95
87) 1,2-Dichlorobenzene	13.63	146	88740	20.948 ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.25	75	13201	19.746 ug/l	96
89) 1,2,4-Trichlorobenzene	14.89	180	41628	19.739 ug/l	99
90) Hexachlorobutadiene	14.98	225	26333	22.513 ug/l	97
91) Naphthalene	15.10	128	102112	17.859 ug/l	99
92) 1,2,3-Trichlorobenzene	15.29	180	42471	19.982 ug/l	97

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

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