Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN101119\
Data File : VN058670.D
Acq On : 10 Oct 2019 17:28
Operator : JC/SP
Sample : VSTDICC100
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : VSTDICC100

Quant Time: Oct 11 04:23:12 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N101119W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Oct 11 04:10:20 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	7.18	128	74598	30.00	ug/l		0.00
28) 1,4-Difluorobenzene	8.57	114	413304	30.00	ug/l		0.00
57) Chlorobenzene-d5	11.41	117	384536	30.00	ug/l		0.00
System Monitoring Compounds							
27) 1,2-Dichloroethane-d4	8.01	65	184572	28.21	ug/l		0.00
Spiked Amount 30.000	Range 50 - 169		Recovery = 94.03%				
60) 4-Bromofluorobenzene	12.41	95	205249	30.69	ug/l		0.00
Spiked Amount 30.000	Range 56 - 143		Recovery = 102.30%				
63) Toluene-d8	10.08	98	541724	29.48	ug/l		0.00
Spiked Amount 30.000	Range 66 - 137		Recovery = 98.27%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.83	85	348010	78.876	ug/l		100
3) Chloromethane	2.04	50	452044	85.756	ug/l		100
4) Vinyl Chloride	2.17	62	476688	90.101	ug/l		99
5) Bromomethane	2.53	94	284741m	94.398	ug/l		
6) Chloroethane	2.68	64	290912	92.179	ug/l		98
7) Trichlorofluoromethane	2.99	101	581189	92.958	ug/l		100
8) Diethyl Ether	3.39	74	221849	81.665	ug/l		100
9) 1,1,2-Trichlorotrifluoroet	3.73	101	334973	80.286	ug/l		99
10) 1,1-Dichloroethene	3.71	96	321539	78.687	ug/l		97
11) Methyl Iodide	3.93	142	475021	104.486	ug/l		99
12) Methyl Acetate	4.30	43	527496	93.132	ug/l		99
13) Acrolein	3.58	56	284880	1109.904	ug/l		99
14) Acrylonitrile	4.96	53	1089479	474.295	ug/l		98
15) Acetone	3.79	58	313506	492.988	ug/l		99
16) Carbon Disulfide	4.03	76	954745	82.154	ug/l		100
17) Allyl chloride	4.30	41	662865	85.613	ug/l		98
18) Methylene Chloride	4.53	84	393444	81.353	ug/l		99
19) trans-1,2-Dichloroethene	5.01	96	358084	78.427	ug/l		95
20) Diisopropyl ether	5.93	45	1378311	84.235	ug/l		94
21) 1,1-Dichloroethane	5.82	63	744346	81.571	ug/l		100
22) cis-1,2-Dichloroethene	6.81	96	431705	81.068	ug/l		98
23) tert-Butyl Alcohol	4.76	59	435685	500.281	ug/l	#	100
24) Methyl tert-Butyl Ether	5.02	73	1258158	85.104	ug/l		99
25) Chloroform	7.35	83	741916	80.385	ug/l		95
26) Cyclohexane	7.63	56	664101	78.981	ug/l	#	97
29) 1,1-Dichloropropene	7.78	75	564966	83.592	ug/l		99
30) 2-Butanone	6.81	43	1665381	522.047	ug/l		100
31) 2,2-Dichloropropane	6.80	77	650860	91.452	ug/l		98
32) 1,1,1-Trichloroethane	7.55	97	642316	86.523	ug/l		99
33) Carbon Tetrachloride	7.76	117	565925	89.380	ug/l		99
34) Benzene	8.03	78	1653817	85.715	ug/l	#	91
35) Methacrylonitrile	7.16	41	312022m	111.506	ug/l		
36) 1,2-Dichloroethane	8.11	62	629398	83.349	ug/l		100
37) Trichloroethene	8.82	130	409298	84.883	ug/l		98
38) Methylcyclohexane	9.07	83	663811	81.713	ug/l		99
39) 1,2-Dichloropropane	9.11	63	447598	84.454	ug/l		97
40) Dibromomethane	9.20	93	288468	86.502	ug/l		99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.39	83	596292	89.529	ug/l	99
42) Vinyl Acetate	5.87	43	5784852	483.370	ug/l	99
43) Ethyl Acetate	6.91	43	624362	97.597	ug/l	97
44) Isopropyl Acetate	8.15	43	1043923	93.731	ug/l	100
45) 1,4-Dioxane	9.19	88	163381	1789.439	ug/l	98
46) Methyl methacrylate	9.19	41	489587	93.272	ug/l	98
47) n-amyl Acetate	12.07	43	965718	98.873	ug/l	98
48) t-1,3-Dichloropropene	10.38	75	703331	95.237	ug/l	96
49) cis-1,3-Dichloropropene	9.83	75	738137	91.261	ug/l	99
50) 1,1,2-Trichloroethane	10.56	97	409747	87.608	ug/l	97
51) Ethyl methacrylate	10.43	69	696395	93.853	ug/l	99
52) 1,3-Dichloropropane	10.71	76	724668	87.332	ug/l	99
53) Dibromochloromethane	10.90	129	458164	95.552	ug/l	98
54) 1,2-Dibromoethane	11.00	107	435238	90.853	ug/l	99
55) 2-Chloroethyl vinyl ether	9.69	63	1595635	484.142	ug/l	99
56) Bromoform	12.13	173	329679	106.247	ug/l	99
58) 4-Methyl-2-Pentanone	9.98	43	3123490	499.923	ug/l	97
59) 2-Hexanone	10.75	43	2513646	528.570	ug/l	97
61) Tetrachloroethene	10.63	164	347912	84.493	ug/l	98
62) Toluene	10.15	91	1784954	84.442	ug/l	99
64) Chlorobenzene	11.43	112	1087504	83.683	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.51	131	415837	89.445	ug/l	98
66) Ethyl Benzene	11.51	91	2025694	88.090	ug/l	99
67) m/p-Xylenes	11.62	106	1510759	170.863	ug/l	98
68) o-Xylene	11.95	106	728634	84.847	ug/l	100
69) Styrene	11.97	104	1251315	87.460	ug/l	98
70) Isopropylbenzene	12.25	105	2006020	90.019	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.51	83	657025	90.693	ug/l	99
72) 1,2,3-Trichloropropane	12.56	75	596811m	95.113	ug/l	
73) Bromobenzene	12.53	156	471067	86.595	ug/l	98
74) n-propylbenzene	12.60	91	2364616	91.767	ug/l	98
75) 2-Chlorotoluene	12.68	91	1396220	86.730	ug/l	100
76) 1,3,5-Trimethylbenzene	12.74	105	1714775	89.296	ug/l	98
77) t-1,4-Dichloro-2-butene	12.30	75	244097	113.237	ug/l	95
78) 4-Chlorotoluene	12.78	91	1477857	89.620	ug/l	100
79) tert-butylbenzene	13.00	119	1462902	87.617	ug/l	99
80) 1,2,4-Trimethylbenzene	13.05	105	1723613	90.174	ug/l	100
81) sec-Butylbenzene	13.18	105	1991433	91.369	ug/l	99
82) p-Isopropyltoluene	13.29	119	1816950	92.372	ug/l	99
83) 1,3-Dichlorobenzene	13.29	146	880586	87.931	ug/l	99
84) 1,4-Dichlorobenzene	13.37	146	878483	87.815	ug/l	100
85) n-Butylbenzene	13.62	91	1695811	93.164	ug/l	98
86) Hexachloroethane	13.88	117	325114	98.163	ug/l	97
87) 1,2-Dichlorobenzene	13.66	146	863888	88.407	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.28	75	149312	101.318	ug/l	96
89) 1,2,4-Trichlorobenzene	14.92	180	560143	87.294	ug/l	100
90) Hexachlorobutadiene	15.02	225	282096	90.125	ug/l	99
91) Naphthalene	15.13	128	1701014	95.211	ug/l	100
92) 1,2,3-Trichlorobenzene	15.30	180	544149	87.969	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

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