Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN113018\
Data File : VN052616.D
Acq On : 30 Nov 2018 19:21
Operator : MD\SY
Sample : VSTDCCC020
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 25 Sample Multiplier: 28

Instrument : MSVOA_N
ClientSampleId : VSTDCCC020EC

Manual Integrations APPROVED
MMDadoda
12/3/2018 10:49:43 AM

Quant Time: Dec 01 02:36:44 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N112618W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Tue Nov 27 00:48:33 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	7.20	128	160778	30.00	ug/l		0.00
28) 1,4-Difluorobenzene	8.59	114	929081	30.00	ug/l		0.00
57) Chlorobenzene-d5	11.41	117	813348	30.00	ug/l		0.00
System Monitoring Compounds							
27) 1,2-Dichloroethane-d4	8.03	65	329402	30.07	ug/l		0.00
Spiked Amount 30.000	Range 50 - 169		Recovery = 100.23%				
60) 4-Bromofluorobenzene	12.40	95	371044	29.84	ug/l		0.00
Spiked Amount 30.000	Range 56 - 143		Recovery = 99.47%				
63) Toluene-d8	10.09	98	1115104	29.57	ug/l		0.00
Spiked Amount 30.000	Range 66 - 137		Recovery = 98.57%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.85	85	171520	18.731	ug/l		98
3) Chloromethane	2.06	50	228141	18.786	ug/l		100
4) Vinyl Chloride	2.19	62	236601	19.304	ug/l		97
5) Bromomethane	2.58	94	139684	19.987	ug/l		99
6) Chloroethane	2.71	64	144236	19.788	ug/l		100
7) Trichlorofluoromethane	3.02	101	296403	19.595	ug/l		99
8) Diethyl Ether	3.41	74	113598	20.338	ug/l		96
9) 1,1,2-Trichlorotrifluoroet	3.76	101	184513	19.242	ug/l		95
10) 1,1-Dichloroethene	3.74	96	180302	19.998	ug/l		99
11) Methyl Iodide	3.96	142	270185	21.583	ug/l		99
12) Methyl Acetate	4.33	43	166992	21.799	ug/l		99
13) Acrolein	3.61	56	82823	92.039	ug/l		100
14) Acrylonitrile	4.99	53	341095	104.500	ug/l		98
15) Acetone	3.82	58	77708	91.927	ug/l		98
16) Carbon Disulfide	4.06	76	515356	18.054	ug/l		99
17) Allyl chloride	4.33	41	284302	18.081	ug/l		98
18) Methylene Chloride	4.56	84	214895	20.585	ug/l		98
19) trans-1,2-Dichloroethene	5.05	96	191955	19.783	ug/l		96
20) Diisopropyl ether	5.95	45	646574	19.568	ug/l		99
21) 1,1-Dichloroethane	5.85	63	371414	19.721	ug/l		98
22) cis-1,2-Dichloroethene	6.83	96	217998	19.604	ug/l		98
23) tert-Butyl Alcohol	4.78	59	59737	123.027	ug/l	#	100
24) Methyl tert-Butyl Ether	5.05	73	500219	21.149	ug/l		98
25) Chloroform	7.37	83	364188	20.045	ug/l		99
26) Cyclohexane	7.65	56	338025	19.030	ug/l	#	100
29) 1,1-Dichloropropene	7.80	75	276990	19.523	ug/l		99
30) 2-Butanone	6.84	43	384125	101.179	ug/l		99
31) 2,2-Dichloropropane	6.83	77	248691	19.040	ug/l		100
32) 1,1,1-Trichloroethane	7.57	97	301609	20.430	ug/l		98
33) Carbon Tetrachloride	7.78	117	257346	19.923	ug/l		100
34) Benzene	8.04	78	845431	19.819	ug/l		99
35) Methacrylonitrile	7.18	41	95834	20.346	ug/l		97
36) 1,2-Dichloroethane	8.13	62	261391	20.222	ug/l		99
37) Trichloroethene	8.84	130	216786	20.042	ug/l		97
38) Methylcyclohexane	9.08	83	328793	18.720	ug/l		98
39) 1,2-Dichloropropane	9.12	63	224709	19.652	ug/l		98
40) Dibromomethane	9.21	93	128421	20.783	ug/l		98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN113018\
Data File : VN052616.D
Acq On : 30 Nov 2018 19:21
Operator : MD\SY
Sample : VSTDCCC020
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 25 Sample Multiplier: 28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Manual Integrations APPROVED
MMDadoda
12/3/2018 10:49:43 AM

Quant Time: Dec 01 02:36:44 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N112618W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Tue Nov 27 00:48:33 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
41) Bromodichloromethane	9.40	83	268656	19.679 ug/l		100
42) Vinyl Acetate	5.90	43	2075454	101.038 ug/l		99
43) Ethyl Acetate	6.93	43	173595	21.504 ug/l	#	69
44) Isopropyl Acetate	8.17	43	331603	23.421 ug/l		98
45) 1,4-Dioxane	9.20	88	36987	477.534 ug/l		95
46) Methyl methacrylate	9.20	41	155987	21.219 ug/l		99
47) n-amyl Acetate	12.07	43	247993	21.126 ug/l		97
48) t-1,3-Dichloropropene	10.38	75	264052	19.948 ug/l		99
49) cis-1,3-Dichloropropene	9.84	75	313769	19.456 ug/l		99
50) 1,1,2-Trichloroethane	10.56	97	183656	20.968 ug/l		100
51) Ethyl methacrylate	10.43	69	233454	21.222 ug/l		97
52) 1,3-Dichloropropane	10.71	76	319531	20.495 ug/l		98
53) Dibromochloromethane	10.90	129	196055	20.331 ug/l		98
54) 1,2-Dibromoethane	11.01	107	179486	20.971 ug/l		98
55) 2-Chloroethyl vinyl ether	9.70	63	657329	102.081 ug/l		99
56) Bromoform	12.13	173	129829	20.598 ug/l		100
58) 4-Methyl-2-Pentanone	9.99	43	866085	109.837 ug/l		99
59) 2-Hexanone	10.75	43	566798	105.226 ug/l		99
61) Tetrachloroethene	10.63	164	211023	21.066 ug/l		98
62) Toluene	10.16	91	896733	20.000 ug/l		99
64) Chlorobenzene	11.44	112	549828	20.091 ug/l		99
65) 1,1,1,2-Tetrachloroethane	11.51	131	192981	20.315 ug/l		100
66) Ethyl Benzene	11.51	91	959165	19.848 ug/l		99
67) m/p-Xylenes	11.62	106	721547	40.078 ug/l		99
68) o-Xylene	11.95	106	352445	20.169 ug/l		100
69) Styrene	11.96	104	564731	20.023 ug/l		100
70) Isopropylbenzene	12.25	105	940875	20.237 ug/l		99
71) 1,1,2,2-Tetrachloroethane	12.51	83	217166	21.472 ug/l		100
72) 1,2,3-Trichloropropane	12.55	75	185597m	21.377 ug/l		
73) Bromobenzene	12.53	156	233750	20.788 ug/l		95
74) n-propylbenzene	12.59	91	1058457	19.539 ug/l		98
75) 2-Chlorotoluene	12.68	91	634579	20.182 ug/l		100
76) 1,3,5-Trimethylbenzene	12.73	105	763668	20.336 ug/l		100
77) t-1,4-Dichloro-2-butene	12.30	75	55194	20.125 ug/l		97
78) 4-Chlorotoluene	12.77	91	617610	19.669 ug/l		99
79) tert-butylbenzene	12.99	119	671574	20.535 ug/l		98
80) 1,2,4-Trimethylbenzene	13.04	105	761719	20.271 ug/l		99
81) sec-Butylbenzene	13.17	105	901979	19.801 ug/l		99
82) p-Isopropyltoluene	13.29	119	764384	19.706 ug/l		99
83) 1,3-Dichlorobenzene	13.28	146	401287	20.291 ug/l		98
84) 1,4-Dichlorobenzene	13.36	146	387147	20.262 ug/l		98
85) n-Butylbenzene	13.62	91	614027	18.429 ug/l		99
86) Hexachloroethane	13.88	117	127908	19.462 ug/l		98
87) 1,2-Dichlorobenzene	13.65	146	391460	20.800 ug/l		99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	31601	22.306 ug/l		98
89) 1,2,4-Trichlorobenzene	14.91	180	184932	19.945 ug/l		98
90) Hexachlorobutadiene	15.01	225	122712	20.175 ug/l		99
91) Naphthalene	15.13	128	386073	20.619 ug/l		98
92) 1,2,3-Trichlorobenzene	15.32	180	178441	20.883 ug/l		97

Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN113018\
Data File : VN052616.D
Acq On : 30 Nov 2018 19:21
Operator : MD\SY
Sample : VSTDCCC020
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 25 Sample Multiplier: 28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Manual Integrations APPROVED
MMDadoda
12/3/2018 10:49:43 AM

Quant Time: Dec 01 02:36:44 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N112618W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Tue Nov 27 00:48:33 2018
Response via : Initial Calibration

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

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

Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN113018\
Data File : VN052616.D
Acq On : 30 Nov 2018 19:21
Operator : MD\SY
Sample : VSTDCCC020
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 25 Sample Multiplier: 28

Quant Time: Dec 01 02:36:44 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N112618W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Tue Nov 27 00:48:33 2018
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Manual Integrations APPROVED
MMDadoda
12/3/2018 10:49:43 AM