Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN101119\
Data File : VN058677.D
Acq On : 10 Oct 2019 20:24
Operator : JC/SP
Sample : K5111-08
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : LOQ-WATER-02-QT4-2019

Manual Integrations APPROVED
MMDadoda
10/11/2019 2:47:33 PM

Quant Time: Oct 11 08:51:30 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N101119W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Oct 11 04:26:47 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	7.18	128	70125	30.00	ug/l		0.00
28) 1,4-Difluorobenzene	8.57	114	394450	30.00	ug/l		0.00
57) Chlorobenzene-d5	11.41	117	353817	30.00	ug/l		0.00
System Monitoring Compounds							
27) 1,2-Dichloroethane-d4	8.01	65	186625	31.36	ug/l		0.00
Spiked Amount 30.000	Range 50 - 169		Recovery = 104.53%				
60) 4-Bromofluorobenzene	12.41	95	176927	28.59	ug/l		0.00
Spiked Amount 30.000	Range 56 - 143		Recovery = 95.30%				
63) Toluene-d8	10.08	98	502121	30.06	ug/l		0.00
Spiked Amount 30.000	Range 66 - 137		Recovery = 100.20%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.84	85	20295	5.342	ug/l		100
3) Chloromethane	2.04	50	29338	5.781	ug/l		97
4) Vinyl Chloride	2.17	62	29266	5.579	ug/l		95
5) Bromomethane	2.54	94	19208	5.931	ug/l		95
6) Chloroethane	2.68	64	18761	5.690	ug/l		98
7) Trichlorofluoromethane	3.00	101	37954	5.879	ug/l		97
8) Diethyl Ether	3.39	74	13721	5.572	ug/l		95
9) 1,1,2-Trichlorotrifluoroet	3.74	101	21321	5.707	ug/l		98
10) 1,1-Dichloroethene	3.72	96	20001	5.451	ug/l		86
11) Methyl Iodide	3.93	142	27127	5.309	ug/l		96
12) Methyl Acetate	4.30	43	33565	5.718	ug/l		97
13) Acrolein	3.58	56	19840	30.588	ug/l		94
14) Acrylonitrile	4.96	53	64429	27.855	ug/l		97
15) Acetone	3.80	58	17291	25.184	ug/l		95
16) Carbon Disulfide	4.03	76	63874	5.969	ug/l		99
17) Allyl chloride	4.29	41	42635m	5.838	ug/l		
18) Methylene Chloride	4.53	84	26511m	5.967	ug/l		
19) trans-1,2-Dichloroethene	5.02	96	23620	5.913	ug/l		90
20) Diisopropyl ether	5.93	45	81402	5.471	ug/l		98
21) 1,1-Dichloroethane	5.82	63	46913	5.694	ug/l		99
22) cis-1,2-Dichloroethene	6.81	96	27542	5.783	ug/l		99
23) tert-Butyl Alcohol	4.76	59	24311	25.696	ug/l	#	100
24) Methyl tert-Butyl Ether	5.02	73	75182	5.493	ug/l	#	78
25) Chloroform	7.35	83	47583	5.791	ug/l		98
26) Cyclohexane	7.63	56	40191	5.558	ug/l	#	97
29) 1,1-Dichloropropene	7.78	75	34075	5.488	ug/l		99
30) 2-Butanone	6.82	43	87898	25.051	ug/l		100
31) 2,2-Dichloropropane	6.80	77	38222	5.223	ug/l	#	79
32) 1,1,1-Trichloroethane	7.55	97	39688	5.526	ug/l		97
33) Carbon Tetrachloride	7.76	117	35176	5.659	ug/l		96
34) Benzene	8.03	78	101872	5.573	ug/l	#	71
35) Methacrylonitrile	7.16	41	17522	5.653	ug/l		94
36) 1,2-Dichloroethane	8.11	62	40322	5.769	ug/l		98
37) Trichloroethene	8.82	130	26266	5.849	ug/l		94
38) Methylcyclohexane	9.07	83	39552	5.494	ug/l		99
39) 1,2-Dichloropropane	9.11	63	27275	5.460	ug/l		92
40) Dibromomethane	9.20	93	17298	5.485	ug/l		98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN101119\
Data File : VN058677.D
Acq On : 10 Oct 2019 20:24
Operator : JC/SP
Sample : K5111-08
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2019

Manual Integrations APPROVED
MMDadoda
10/11/2019 2:47:33 PM

Quant Time: Oct 11 08:51:30 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N101119W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Oct 11 04:26:47 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Bromodichloromethane	9.39	83	34188	5.306 ug/l	98
42) Vinyl Acetate	5.87	43	327131	26.620 ug/l	100
43) Ethyl Acetate	6.91	43	35272	5.122 ug/l	97
44) Isopropyl Acetate	8.15	43	59107	5.298 ug/l	91
45) 1,4-Dioxane	9.19	88	8956	104.553 ug/l	96
46) Methyl methacrylate	9.19	41	25415	4.963 ug/l	98
47) n-amyl Acetate	12.07	43	45209	4.572 ug/l	94
48) t-1,3-Dichloropropene	10.38	75	38420	5.142 ug/l	100
49) cis-1,3-Dichloropropene	9.83	75	39928	5.089 ug/l	93
50) 1,1,2-Trichloroethane	10.56	97	25517	5.668 ug/l	97
51) Ethyl methacrylate	10.43	69	36291	5.041 ug/l	96
52) 1,3-Dichloropropane	10.71	76	44548	5.556 ug/l	100
53) Dibromochloromethane	10.90	129	24531	5.077 ug/l	97
54) 1,2-Dibromoethane	11.00	107	24783	5.311 ug/l	98
55) 2-Chloroethyl vinyl ether	9.69	63	84557	23.613 ug/l	99
56) Bromoform	12.13	173	16505	4.904 ug/l	99
58) 4-Methyl-2-Pentanone	9.98	43	176774	27.387 ug/l	98
59) 2-Hexanone	10.75	43	126854	25.069 ug/l	99
61) Tetrachloroethene	10.63	164	22323	5.839 ug/l	99
62) Toluene	10.15	91	106418	5.592 ug/l	98
64) Chlorobenzene	11.43	112	64810	5.570 ug/l	97
65) 1,1,1,2-Tetrachloroethane	11.51	131	23653	5.421 ug/l	100
66) Ethyl Benzene	11.51	91	114254	5.422 ug/l	98
67) m/p-Xylenes	11.62	106	82531	10.482 ug/l	98
68) o-Xylene	11.95	106	40918	5.361 ug/l	98
69) Styrene	11.97	104	63115	5.005 ug/l	98
70) Isopropylbenzene	12.25	105	110278	5.351 ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.51	83	38002	5.478 ug/l	99
72) 1,2,3-Trichloropropane	12.56	75	35302m	5.616 ug/l	
73) Bromobenzene	12.53	156	26814	5.357 ug/l	99
74) n-propylbenzene	12.59	91	126068	5.227 ug/l	99
75) 2-Chlorotoluene	12.68	91	77352	5.330 ug/l	99
76) 1,3,5-Trimethylbenzene	12.74	105	91852	5.204 ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	11095	4.633 ug/l	99
78) 4-Chlorotoluene	12.78	91	75606	5.055 ug/l	96
79) tert-butylbenzene	13.00	119	78402	5.199 ug/l	100
80) 1,2,4-Trimethylbenzene	13.05	105	88574	5.050 ug/l	100
81) sec-Butylbenzene	13.18	105	104459	5.147 ug/l	100
82) p-Isopropyltoluene	13.30	119	91089	4.999 ug/l	99
83) 1,3-Dichlorobenzene	13.29	146	46233	5.105 ug/l	98
84) 1,4-Dichlorobenzene	13.37	146	46927	5.187 ug/l	99
85) n-Butylbenzene	13.62	91	77336	4.635 ug/l	98
86) Hexachloroethane	13.88	117	16647	5.020 ug/l	98
87) 1,2-Dichlorobenzene	13.66	146	47205	5.279 ug/l	97
88) 1,2-Dibromo-3-Chloropropan	14.28	75	8404	5.443 ug/l	94
89) 1,2,4-Trichlorobenzene	14.92	180	26284	4.655 ug/l	99
90) Hexachlorobutadiene	15.02	225	15180	5.207 ug/l	100
91) Naphthalene	15.13	128	75421	4.525 ug/l	99
92) 1,2,3-Trichlorobenzene	15.30	180	26086	4.746 ug/l	97

Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN101119\
Data File : VN058677.D
Acq On : 10 Oct 2019 20:24
Operator : JC/SP
Sample : K5111-08
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2019

Manual Integrations APPROVED
MMDadoda
10/11/2019 2:47:33 PM

Quant Time: Oct 11 08:51:30 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N101119W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Oct 11 04:26:47 2019
Response via : Initial Calibration

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

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

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN101119\
Data File : VN058677.D
Acq On : 10 Oct 2019 20:24
Operator : JC/SP
Sample : K5111-08
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Oct 11 08:51:30 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N101119W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Oct 11 04:26:47 2019
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2019

Manual Integrations APPROVED
MMDadoda
10/11/2019 2:47:33 PM