Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050721\
Data File : VN067025.D
Acq On : 6 May 2021 21:36
Operator : JC/MD
Sample : VSTDICV020
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN050721

Manual Integrations APPROVED
MMDadoda
5/7/2021 6:23:37 PM

Quant Time: May 07 06:59:48 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N050721W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri May 07 06:53:40 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	7.115	128	81119	30.00	ug/l		0.00
28) 1,4-Difluorobenzene	8.520	114	422255	30.00	ug/l		0.00
57) Chlorobenzene-d5	11.350	117	378728	30.00	ug/l		0.00
System Monitoring Compounds							
27) 1,2-Dichloroethane-d4	7.954	65	211239	29.72	ug/l		0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 99.07%				
60) 4-Bromofluorobenzene	12.350	95	180883	28.71	ug/l		0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 95.70%				
63) Toluene-d8	10.030	98	581935	31.02	ug/l		0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 103.40%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.837	85	103745	18.70	ug/l		99
3) Chloromethane	2.035	50	152037	17.96	ug/l		99
4) Vinyl Chloride	2.161	62	146795	17.94	ug/l		100
5) Bromomethane	2.515	94	82450	18.06	ug/l		98
6) Chloroethane	2.660	64	88922	18.85	ug/l		96
7) Trichlorofluoromethane	2.971	101	174469	17.55	ug/l		99
8) Diethyl Ether	3.355	74	60565	18.04	ug/l		98
9) 1,1,2-Trichlorotrifluo...	3.693	101	84579	17.58	ug/l		98
10) 1,1-Dichloroethene	3.674	96	81321	17.61	ug/l		98
11) Methyl Iodide	3.886	142	108334	17.25	ug/l		94
12) Methyl Acetate	4.256	43	113538	17.30	ug/l		99
13) Acrolein	3.548	56	94174	87.80	ug/l		98
14) Acrylonitrile	4.897	53	232377	89.55	ug/l		97
15) Acetone	3.757	58	65095	86.43	ug/l		95
16) Carbon Disulfide	3.985	76	272459	17.84	ug/l		98
17) Allyl chloride	4.248	41	163305	18.11	ug/l		98
18) Methylene Chloride	4.473	84	106017	16.91	ug/l		96
19) trans-1,2-Dichloroethene	4.953	96	93071	18.31	ug/l		94
20) Diisopropyl ether	5.868	45	307796	18.49	ug/l		94
21) 1,1-Dichloroethane	5.758	63	194555m	17.58	ug/l		
22) cis-1,2-Dichloroethene	6.739	96	103281	17.71	ug/l		99
23) tert-Butyl Alcohol	4.706	59	87764	84.91	ug/l	#	100
24) Methyl tert-Butyl Ether	4.956	73	273722	17.89	ug/l	#	78
25) Chloroform	7.292	83	191379	17.92	ug/l		97
26) Cyclohexane	7.579	56	136602	17.76	ug/l	#	99
29) 1,1-Dichloropropene	7.715	75	132951	18.01	ug/l		99
30) 2-Butanone	6.747	43	310319	87.64	ug/l		99
31) 2,2-Dichloropropane	6.737	77	148349	16.64	ug/l		99
32) 1,1,1-Trichloroethane	7.490	97	167645	17.49	ug/l		99
33) Carbon Tetrachloride	7.697	117	145476	17.43	ug/l		99
34) Benzene	7.968	78	420959	17.58	ug/l		99
35) Methacrylonitrile	7.091	41	56855	17.17	ug/l		92
36) 1,2-Dichloroethane	8.053	62	156305	17.52	ug/l		100
37) Trichloroethene	8.770	130	90203	17.41	ug/l		98
38) Methylcyclohexane	9.016	83	126859	17.26	ug/l		100
39) 1,2-Dichloropropane	9.051	63	115166	17.34	ug/l		94
40) Dibromomethane	9.145	93	70620	17.20	ug/l		98
41) Bromodichloromethane	9.338	83	149350	17.22	ug/l		99
42) Vinyl Acetate	5.809	43	1370486	89.81	ug/l		100

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050721\
Data File : VN067025.D
Acq On : 6 May 2021 21:36
Operator : JC/MD
Sample : VSTDICV020
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 28 Sample Multiplier: 1

Quant Time: May 07 06:59:48 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N050721W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri May 07 06:53:40 2021
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
ICVVN050721

Manual Integrations APPROVED
MMDadoda
5/7/2021 6:23:37 PM

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
43) Ethyl Acetate	6.841	43	158203m	18.96	ug/l		
44) Isopropyl Acetate	8.096	43	224783	17.74	ug/l		98
45) 1,4-Dioxane	9.137	88	27749	342.74	ug/l		99
46) Methyl methacrylate	9.140	41	93533	17.53	ug/l		98
48) t-1,3-Dichloropropene	10.325	75	152686	17.18	ug/l		95
49) cis-1,3-Dichloropropene	9.778	75	170335	17.48	ug/l		98
50) 1,1,2-Trichloroethane	10.502	97	96929	17.06	ug/l		95
51) Ethyl methacrylate	10.373	69	129012	17.38	ug/l		99
52) 1,3-Dichloropropane	10.647	76	174758	17.72	ug/l		98
53) Dibromochloromethane	10.843	129	106774	17.10	ug/l		99
54) 1,2-Dibromoethane	10.947	107	93247	17.17	ug/l		100
55) 2-Chloroethyl vinyl ether	9.636	63	111068	78.13	ug/l		98
56) Bromoform	12.076	173	69246	16.70	ug/l	#	98
58) 4-Methyl-2-Pentanone	9.923	43	653492	92.17	ug/l		99
59) 2-Hexanone	10.698	43	372169	89.00	ug/l		98
61) Tetrachloroethene	10.572	164	78108	18.20	ug/l		98
62) Toluene	10.094	91	426510	18.26	ug/l		100
64) Chlorobenzene	11.376	112	240551	17.63	ug/l		100
65) 1,1,1,2-Tetrachloroethane	11.451	131	98579	18.11	ug/l		100
66) Ethyl Benzene	11.457	91	429935	18.13	ug/l		100
67) m/p-Xylenes	11.567	106	323265	36.30	ug/l		99
68) o-Xylene	11.894	106	158402	18.02	ug/l		96
69) Styrene	11.913	104	239065	17.70	ug/l		99
70) Isopropylbenzene	12.197	105	404304	17.74	ug/l		100
71) 1,1,2,2-Tetrachloroethane	12.452	83	144247	17.39	ug/l		93
72) 1,2,3-Trichloropropane	12.500	75	137601m	18.30	ug/l		
73) Bromobenzene	12.473	156	93022	16.90	ug/l		95
74) n-propylbenzene	12.538	91	464058	17.76	ug/l		99
75) 2-Chlorotoluene	12.621	91	305631	18.20	ug/l		99
76) 1,3,5-Trimethylbenzene	12.680	105	361861	17.95	ug/l		100
77) t-1,4-Dichloro-2-butene	12.259	75	26498	16.24	ug/l		88
78) 4-Chlorotoluene	12.723	91	284419	18.87	ug/l		97
79) tert-butylbenzene	12.940	119	301971	17.69	ug/l		98
80) 1,2,4-Trimethylbenzene	12.988	105	336939	17.84	ug/l		96
81) sec-Butylbenzene	13.117	105	390007	17.28	ug/l		100
82) p-Isopropyltoluene	13.238	119	317621	17.69	ug/l		99
83) 1,3-Dichlorobenzene	13.232	146	160553	17.58	ug/l		99
84) 1,4-Dichlorobenzene	13.313	146	159787	16.89	ug/l		99
85) n-Butylbenzene	13.568	91	233894	16.18	ug/l		98
86) Hexachloroethane	13.817	117	66795	16.80	ug/l		98
87) 1,2-Dichlorobenzene	13.602	146	174396	18.41	ug/l		98
88) 1,2-Dibromo-3-Chloropr...	14.227	75	24745	15.38	ug/l		98
89) 1,2,4-Trichlorobenzene	14.860	180	83292	17.42	ug/l		96
90) Hexachlorobutadiene	14.951	225	55922	17.34	ug/l		96
91) Naphthalene	15.078	128	260412	19.87	ug/l		99
92) 1,2,3-Trichlorobenzene	15.255	180	86716	17.32	ug/l		96

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050721\
Data File : VN067025.D
Acq On : 6 May 2021 21:36
Operator : JC/MD
Sample : VSTDICV020
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 28 Sample Multiplier: 1

Quant Time: May 07 06:59:48 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N050721W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri May 07 06:53:40 2021
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
ICVVN050721

Manual Integrations APPROVED
MMDadoda
5/7/2021 6:23:37 PM