Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN040921\
Data File : VN066555.D
Acq On : 9 Apr 2021 11:52
Operator : JC/MD
Sample : VN0409WBS01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0409WBS01

Manual Integrations APPROVED
MMDadoda
4/12/2021 11:44:12 AM

Quant Time: Apr 12 02:26:41 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N032421W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Mon Apr 12 02:23:50 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	7.099	128	51852	30.00	ug/l		0.00
28) 1,4-Difluorobenzene	8.512	114	261068	30.00	ug/l		0.00
57) Chlorobenzene-d5	11.350	117	244628	30.00	ug/l		0.00
System Monitoring Compounds							
27) 1,2-Dichloroethane-d4	7.947	65	123501	30.99	ug/l		0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 103.30%				
60) 4-Bromofluorobenzene	12.345	95	109273	28.62	ug/l		0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 95.40%				
63) Toluene-d8	10.028	98	358619	31.24	ug/l		0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 104.13%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.818	85	63077	21.75	ug/l		99
3) Chloromethane	2.017	50	81718	22.41	ug/l		98
4) Vinyl Chloride	2.143	62	88001	22.97	ug/l		97
5) Bromomethane	2.505	94	59887	22.08	ug/l		97
6) Chloroethane	2.644	64	59173	24.11	ug/l		100
7) Trichlorofluoromethane	2.955	101	118336	21.41	ug/l		98
8) Diethyl Ether	3.339	74	32524	17.42	ug/l		91
9) 1,1,2-Trichlorotrifluo...	3.680	101	52545	19.43	ug/l		99
10) 1,1-Dichloroethene	3.661	96	48423	18.08	ug/l		95
11) Methyl Iodide	3.867	142	71724	18.62	ug/l		97
12) Methyl Acetate	4.232	43	76295	18.36	ug/l		95
13) Acrolein	3.527	56	52724	242.56	ug/l		98
14) Acrylonitrile	4.878	53	156658	91.38	ug/l		100
15) Acetone	3.733	58	45448	91.04	ug/l		97
16) Carbon Disulfide	3.966	76	156383	21.09	ug/l		97
17) Allyl chloride	4.229	41	83644	17.29	ug/l		98
18) Methylene Chloride	4.455	84	65067	20.34	ug/l		98
19) trans-1,2-Dichloroethene	4.935	96	56885	19.32	ug/l		95
20) Diisopropyl ether	5.847	45	209392	19.72	ug/l		93
21) 1,1-Dichloroethane	5.739	63	112724	19.61	ug/l		99
22) cis-1,2-Dichloroethene	6.732	96	64559	18.31	ug/l		97
23) tert-Butyl Alcohol	4.685	59	53936	76.63	ug/l	#	100
24) Methyl tert-Butyl Ether	4.935	73	175469	17.18	ug/l		99
25) Chloroform	7.281	83	114005	19.64	ug/l		99
26) Cyclohexane	7.568	56	93128	18.27	ug/l	#	95
29) 1,1-Dichloropropene	7.711	75	81439	20.86	ug/l		98
30) 2-Butanone	6.734	43	220920	96.55	ug/l	#	77
31) 2,2-Dichloropropane	6.724	77	96298	19.91	ug/l		99
32) 1,1,1-Trichloroethane	7.485	97	95427	20.17	ug/l		97
33) Carbon Tetrachloride	7.694	117	84489	21.15	ug/l		99
34) Benzene	7.963	78	251408	21.13	ug/l		98
35) Methacrylonitrile	7.091	41	45883m	23.71	ug/l		
36) 1,2-Dichloroethane	8.046	62	91327	20.95	ug/l		100
37) Trichloroethene	8.765	130	59936	19.31	ug/l		100
38) Methylcyclohexane	9.011	83	89052	18.43	ug/l		96
39) 1,2-Dichloropropane	9.046	63	69984	21.73	ug/l		98
40) Dibromomethane	9.140	93	43079	20.80	ug/l		98
41) Bromodichloromethane	9.336	83	92628	21.14	ug/l		100
42) Vinyl Acetate	5.790	43	886977	102.85	ug/l		99

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
43) Ethyl Acetate	6.831	43	93912	21.31	ug/l	#	85
44) Isopropyl Acetate	8.086	43	153956	19.56	ug/l	#	85
45) 1,4-Dioxane	9.132	88	17940	357.36	ug/l	#	92
46) Methyl methacrylate	9.132	41	66367	18.06	ug/l		95
47) n-amyl Acetate	12.028	43	25838	10.84	ug/l		93
48) t-1,3-Dichloropropene	10.320	75	92607	19.45	ug/l		99
49) cis-1,3-Dichloropropene	9.776	75	103119	20.15	ug/l		96
50) 1,1,2-Trichloroethane	10.502	97	61473	20.74	ug/l		96
51) Ethyl methacrylate	10.368	69	79889	17.22	ug/l		94
52) 1,3-Dichloropropane	10.645	76	103111	20.87	ug/l		99
53) Dibromochloromethane	10.843	129	67290	20.21	ug/l		98
54) 1,2-Dibromoethane	10.945	107	61572	20.19	ug/l		99
55) 2-Chloroethyl vinyl ether	9.631	63	61606	89.33	ug/l		98
56) Bromoform	12.071	173	46358	18.98	ug/l	#	97
58) 4-Methyl-2-Pentanone	9.918	43	461346	94.13	ug/l		97
59) 2-Hexanone	10.693	43	293193	86.93	ug/l		98
61) Tetrachloroethene	10.569	164	57111	16.96	ug/l		99
62) Toluene	10.092	91	272143	20.09	ug/l		99
64) Chlorobenzene	11.374	112	152252	19.13	ug/l		97
65) 1,1,1,2-Tetrachloroethane	11.452	131	61816	19.80	ug/l		99
66) Ethyl Benzene	11.455	91	272974	18.71	ug/l		97
67) m/p-Xylenes	11.565	106	206824	38.14	ug/l		97
68) o-Xylene	11.892	106	95629	17.87	ug/l		97
69) Styrene	11.908	104	149640	17.45	ug/l		98
70) Isopropylbenzene	12.192	105	255660	18.16	ug/l		98
71) 1,1,2,2-Tetrachloroethane	12.450	83	87956	19.51	ug/l	#	97
72) 1,2,3-Trichloropropane	12.498	75	83734m	19.24	ug/l		
73) Bromobenzene	12.471	156	64361	18.55	ug/l		99
74) n-propylbenzene	12.535	91	290199	18.65	ug/l		100
75) 2-Chlorotoluene	12.619	91	178388	18.93	ug/l		99
76) 1,3,5-Trimethylbenzene	12.678	105	215310	18.58	ug/l		98
77) t-1,4-Dichloro-2-butene	12.248	75	19932	14.12	ug/l		97
78) 4-Chlorotoluene	12.718	91	173674	18.79	ug/l		98
79) tert-butylbenzene	12.938	119	178240	17.70	ug/l		99
80) 1,2,4-Trimethylbenzene	12.983	105	201814	17.95	ug/l		98
81) sec-Butylbenzene	13.115	105	232973	18.12	ug/l		99
82) p-Isopropyltoluene	13.235	119	198417	17.52	ug/l		100
83) 1,3-Dichlorobenzene	13.227	146	108049	18.99	ug/l		100
84) 1,4-Dichlorobenzene	13.310	146	97293	17.56	ug/l		98
85) n-Butylbenzene	13.563	91	159314	17.24	ug/l		100
86) Hexachloroethane	13.815	117	42988	20.55	ug/l		94
87) 1,2-Dichlorobenzene	13.597	146	106806	18.97	ug/l		98
88) 1,2-Dibromo-3-Chloropr...	14.233	75	13869	15.08	ug/l		94
89) 1,2,4-Trichlorobenzene	14.981	180	56361	15.69	ug/l		100
90) Hexachlorobutadiene	15.107	225	37371	19.19	ug/l		98
91) Naphthalene	15.263	128	126899	11.60	ug/l		99
92) 1,2,3-Trichlorobenzene	15.502	180	52998	15.06	ug/l		99

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

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