Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042321\
Data File : VN066735.D
Acq On : 23 Apr 2021 14:10
Operator : JC/MD
Sample : VN0423WBS01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0423WBS01

Manual Integrations APPROVED
MMDadoda
4/26/2021 4:54:31 PM

Quant Time: Apr 26 03:20:05 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N042021W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Apr 21 16:55:39 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	7.114	128	44527	30.00	ug/l		0.00
28) 1,4-Difluorobenzene	8.519	114	230449	30.00	ug/l		0.00
57) Chlorobenzene-d5	11.349	117	214670	30.00	ug/l		0.00
System Monitoring Compounds							
27) 1,2-Dichloroethane-d4	7.953	65	90725	28.28	ug/l		0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 94.27%				
60) 4-Bromofluorobenzene	12.346	95	99943	29.70	ug/l		0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 99.00%				
63) Toluene-d8	10.029	98	298736	30.25	ug/l		0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 100.83%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.838	85	40625	18.53	ug/l		96
3) Chloromethane	2.037	50	63318	18.56	ug/l		98
4) Vinyl Chloride	2.163	62	61303	18.86	ug/l		99
5) Bromomethane	2.536	94	40112	20.99	ug/l		97
6) Chloroethane	2.670	64	38739	19.53	ug/l		96
7) Trichlorofluoromethane	2.978	101	72299	19.96	ug/l		98
8) Diethyl Ether	3.359	74	30208	18.79	ug/l		91
9) 1,1,2-Trichlorotrifluo...	3.700	101	46562	20.28	ug/l		98
10) 1,1-Dichloroethene	3.678	96	44987	19.44	ug/l		91
11) Methyl Iodide	3.890	142	63614	18.15	ug/l		96
12) Methyl Acetate	4.255	43	58244	18.46	ug/l		96
13) Acrolein	3.549	56	37416	83.86	ug/l		94
14) Acrylonitrile	4.898	53	125607	90.61	ug/l		99
15) Acetone	3.756	58	35894	98.64	ug/l		81
16) Carbon Disulfide	3.989	76	132813	18.61	ug/l		99
17) Allyl chloride	4.249	41	86892	18.94	ug/l		87
18) Methylene Chloride	4.477	84	58880	19.88	ug/l		98
19) trans-1,2-Dichloroethene	4.955	96	50491	19.27	ug/l		99
20) Diisopropyl ether	5.864	45	182502	18.91	ug/l		93
21) 1,1-Dichloroethane	5.762	63	100730	19.42	ug/l		99
22) cis-1,2-Dichloroethene	6.741	96	60152	19.79	ug/l		97
23) tert-Butyl Alcohol	4.697	59	41248m	87.41	ug/l		
24) Methyl tert-Butyl Ether	4.955	73	153250	18.99	ug/l		93
25) Chloroform	7.293	83	97099	19.54	ug/l		93
26) Cyclohexane	7.580	56	82423	18.47	ug/l	#	98
29) 1,1-Dichloropropene	7.720	75	69587	19.17	ug/l		98
30) 2-Butanone	6.749	43	157158	89.72	ug/l		99
31) 2,2-Dichloropropane	6.738	77	81962	19.60	ug/l		97
32) 1,1,1-Trichloroethane	7.492	97	79534	19.41	ug/l		98
33) Carbon Tetrachloride	7.698	117	67460	19.50	ug/l		98
34) Benzene	7.969	78	230773	19.73	ug/l		97
35) Methacrylonitrile	7.103	41	35574m	21.10	ug/l		
36) 1,2-Dichloroethane	8.052	62	72575	18.90	ug/l		98
37) Trichloroethene	8.771	130	55407	19.93	ug/l		98
38) Methylcyclohexane	9.015	83	82086	18.97	ug/l		97
39) 1,2-Dichloropropane	9.053	63	62874	19.69	ug/l		100
40) Dibromomethane	9.144	93	36661	19.15	ug/l		96
41) Bromodichloromethane	9.340	83	76586	19.06	ug/l		99
42) Vinyl Acetate	5.808	43	723536	92.15	ug/l		100

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
43) Ethyl Acetate	6.845	43	69892	18.15	ug/l		97
44) Isopropyl Acetate	8.095	43	115903	18.04	ug/l	#	88
45) 1,4-Dioxane	9.139	88	15449	330.43	ug/l		98
46) Methyl methacrylate	9.136	41	50962	17.36	ug/l		89
47) n-amyl Acetate	12.038	43	13300	3.75	ug/l		93
48) t-1,3-Dichloropropene	10.324	75	80935	18.43	ug/l		98
49) cis-1,3-Dichloropropene	9.777	75	93573	19.29	ug/l	#	88
50) 1,1,2-Trichloroethane	10.501	97	54855	19.49	ug/l		98
51) Ethyl methacrylate	10.372	69	68406	17.21	ug/l		89
52) 1,3-Dichloropropane	10.646	76	90438	18.88	ug/l		99
53) Dibromochloromethane	10.842	129	58733	19.30	ug/l		100
54) 1,2-Dibromoethane	10.946	107	53893	19.09	ug/l		100
55) 2-Chloroethyl vinyl ether	9.632	63	72518	119.30	ug/l		99
56) Bromoform	12.073	173	39966	18.22	ug/l	#	97
58) 4-Methyl-2-Pentanone	9.922	43	336199	91.96	ug/l		99
59) 2-Hexanone	10.694	43	195529	83.19	ug/l		97
61) Tetrachloroethene	10.573	164	51610	21.78	ug/l		99
62) Toluene	10.093	91	238928	19.61	ug/l		99
64) Chlorobenzene	11.375	112	142794	19.59	ug/l		100
65) 1,1,1,2-Tetrachloroethane	11.450	131	54679	19.98	ug/l		98
66) Ethyl Benzene	11.453	91	246504	18.93	ug/l		98
67) m/p-Xylenes	11.566	106	188194	38.50	ug/l		100
68) o-Xylene	11.890	106	91548	19.32	ug/l		99
69) Styrene	11.909	104	142323	18.68	ug/l		98
70) Isopropylbenzene	12.193	105	238013	19.22	ug/l		100
71) 1,1,2,2-Tetrachloroethane	12.448	83	80406	19.67	ug/l		99
72) 1,2,3-Trichloropropane	12.499	75	66726m	18.75	ug/l		
73) Bromobenzene	12.470	156	61842	19.75	ug/l		96
74) n-propylbenzene	12.534	91	274993	19.14	ug/l		100
75) 2-Chlorotoluene	12.617	91	171358	19.92	ug/l		100
76) 1,3,5-Trimethylbenzene	12.679	105	202606	19.35	ug/l		100
77) t-1,4-Dichloro-2-butene	12.247	75	17441	15.52	ug/l		88
78) 4-Chlorotoluene	12.719	91	163916	19.43	ug/l		98
79) tert-butylbenzene	12.936	119	173659	19.81	ug/l		97
80) 1,2,4-Trimethylbenzene	12.985	105	193349	19.25	ug/l		100
81) sec-Butylbenzene	13.116	105	227447	19.50	ug/l		100
82) p-Isopropyltoluene	13.234	119	193985	19.44	ug/l		98
83) 1,3-Dichlorobenzene	13.229	146	104561	20.11	ug/l		100
84) 1,4-Dichlorobenzene	13.309	146	104685	20.85	ug/l		92
85) n-Butylbenzene	13.561	91	150153	18.10	ug/l		99
86) Hexachloroethane	13.816	117	39851	18.97	ug/l		97
87) 1,2-Dichlorobenzene	13.599	146	104747	20.51	ug/l		98
88) 1,2-Dibromo-3-Chloropr...	14.221	75	12070	17.18	ug/l		92
89) 1,2,4-Trichlorobenzene	14.854	180	57455	19.46	ug/l		97
90) Hexachlorobutadiene	14.948	225	35441	21.44	ug/l		99
91) Naphthalene	15.074	128	128149	18.06	ug/l		97
92) 1,2,3-Trichlorobenzene	15.251	180	55473	19.87	ug/l		98

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

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