Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111021\
Data File : VN069437.D
Acq On : 10 Nov 2021 12:59
Operator : JC/MD
Sample : VSTDICCC020
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Manual Integrations APPROVED
Reviewed By :John Carlone 11/11/2021
Supervised By :Semsettin Yesilyurt 11/16/2021

Quant Time: Nov 10 13:57:45 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N111021W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Nov 10 13:52:12 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	7.662	128	164712	30.000	ug/l		0.00
28) 1,4-Difluorobenzene	8.971	114	968299	30.000	ug/l		0.00
57) Chlorobenzene-d5	11.746	117	895455	30.000	ug/l		0.00
System Monitoring Compounds							
27) 1,2-Dichloroethane-d4	8.440	65	452915	35.303	ug/l		0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 117.667%#				
60) 4-Bromofluorobenzene	12.731	95	423439	27.578	ug/l		0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 91.933%				
63) Toluene-d8	10.443	98	1269723	31.384	ug/l		0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 104.600%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.075	85	282081	25.901	ug/l		98
3) Chloromethane	2.306	50	284825	25.155	ug/l		96
4) Vinyl Chloride	2.448	62	288274	21.359	ug/l		98
5) Bromomethane	2.864	94	185233	20.926	ug/l		98
6) Chloroethane	3.025	64	186715	21.342	ug/l		98
7) Trichlorofluoromethane	3.376	101	435104	24.896	ug/l		98
8) Diethyl Ether	3.827	74	129749	20.968	ug/l		81
9) 1,1,2-Trichlorotrifluo...	4.205	101	195016	20.539	ug/l		72
10) 1,1-Dichloroethene	4.181	96	180487	19.483	ug/l		90
11) Methyl Iodide	4.419	142	237722	18.250	ug/l		97
12) Methyl Acetate	4.859	43	517866m	29.352	ug/l		
13) Acrolein	4.041	56	63287	59.541	ug/l		97
14) Acrylonitrile	5.562	53	668790	133.596	ug/l		99
15) Acetone	4.293	58	270117	172.609	ug/l		79
16) Carbon Disulfide	4.529	76	425642	17.100	ug/l		98
17) Allyl chloride	4.840	41	368002	23.068	ug/l		92
18) Methylene Chloride	5.098	84	224328	20.378	ug/l	#	86
19) trans-1,2-Dichloroethene	5.599	96	193212	19.207	ug/l	#	82
20) Diisopropyl ether	6.500	45	794017	23.301	ug/l	#	96
21) 1,1-Dichloroethane	6.390	63	408383	21.471	ug/l		100
22) cis-1,2-Dichloroethene	7.329	96	239770	19.886	ug/l		93
23) tert-Butyl Alcohol	5.387	59	225718	109.893	ug/l	#	100
24) Methyl tert-Butyl Ether	5.621	73	703450	20.020	ug/l		96
25) Chloroform	7.820	83	424037	20.863	ug/l		100
26) Cyclohexane	8.099	56	391289	22.335	ug/l	#	87
29) 1,1-Dichloropropene	8.225	75	311932	20.470	ug/l		95
30) 2-Butanone	7.340	43	1144057	156.356	ug/l		92
31) 2,2-Dichloropropane	7.326	77	314382	17.221	ug/l		98
32) 1,1,1-Trichloroethane	8.016	97	352493	18.591	ug/l		95
33) Carbon Tetrachloride	8.209	117	290697	18.050	ug/l		98
34) Benzene	8.461	78	945470	20.778	ug/l	#	94
35) Methacrylonitrile	7.640	41	193322	26.511	ug/l		89
36) 1,2-Dichloroethane	8.533	62	367807	22.397	ug/l		99
37) Trichloroethene	9.217	130	221256	19.123	ug/l		90
38) Methylcyclohexane	9.461	83	376907	19.429	ug/l		90
39) 1,2-Dichloropropane	9.491	63	246798	21.270	ug/l		98
40) Dibromomethane	9.579	93	163395	20.141	ug/l		97
41) Bromodichloromethane	9.764	83	294788	18.185	ug/l		96
42) Vinyl Acetate	6.439	43	3060226	117.211	ug/l	#	94

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Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
43) Ethyl Acetate	7.420	43	389996	27.323 ug/l	100
44) Isopropyl Acetate	8.566	43	623198	23.580 ug/l	95
45) 1,4-Dioxane	9.569	88	99862	472.124 ug/l #	86
46) Methyl methacrylate	9.561	41	281904	23.596 ug/l	83
47) n-amyl Acetate	12.390	43	430896	19.204 ug/l	100
48) t-1,3-Dichloropropene	10.722	75	304474	16.239 ug/l	99
49) cis-1,3-Dichloropropene	10.191	75	340419	17.435 ug/l	94
50) 1,1,2-Trichloroethane	10.902	97	229262	19.691 ug/l	95
51) Ethyl methacrylate	10.762	69	364307	18.982 ug/l	91
52) 1,3-Dichloropropane	11.046	76	403065	20.577 ug/l	99
53) Dibromochloromethane	11.239	129	202667	16.306 ug/l	98
54) 1,2-Dibromoethane	11.347	107	234781	19.290 ug/l	97
55) 2-Chloroethyl vinyl ether	10.043	63	372696	61.164 ug/l	96
56) Bromoform	12.460	173	134795	15.045 ug/l #	99
58) 4-Methyl-2-Pentanone	10.333	43	2046214	135.450 ug/l #	94
59) 2-Hexanone	11.087	43	1547987	135.690 ug/l	95
61) Tetrachloroethene	10.979	164	204220	20.984 ug/l	94
62) Toluene	10.507	91	1051767	20.165 ug/l	99
64) Chlorobenzene	11.773	112	610871	19.311 ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.843	131	213757	18.163 ug/l	99
66) Ethyl Benzene	11.846	91	1147019	19.561 ug/l	100
67) m/p-Xylenes	11.956	106	855447	38.793 ug/l	97
68) o-Xylene	12.283	106	427824	19.375 ug/l	99
69) Styrene	12.296	104	669708	18.303 ug/l	98
70) Isopropylbenzene	12.580	105	1103722	19.066 ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.827	83	358903	21.153 ug/l	98
72) 1,2,3-Trichloropropane	12.881	75	341211m	23.404 ug/l	
73) Bromobenzene	12.862	156	245001	18.672 ug/l	92
74) n-propylbenzene	12.921	91	1254020	18.864 ug/l	98
75) 2-Chlorotoluene	13.010	91	763582	18.758 ug/l	96
76) 1,3,5-Trimethylbenzene	13.061	105	905266	18.763 ug/l	99
77) t-1,4-Dichloro-2-butene	12.629	75	76995	13.504 ug/l	79
78) 4-Chlorotoluene	13.106	91	715393	17.932 ug/l	96
79) tert-butylbenzene	13.326	119	770021	18.177 ug/l	100
80) 1,2,4-Trimethylbenzene	13.369	105	880522m	18.591 ug/l	
81) sec-Butylbenzene	13.503	105	1094524	18.456 ug/l	99
82) p-Isopropyltoluene	13.616	119	851668	17.607 ug/l	100
83) 1,3-Dichlorobenzene	13.618	146	416112	18.014 ug/l	99
84) 1,4-Dichlorobenzene	13.696	146	402454	17.892 ug/l	98
85) n-Butylbenzene	13.946	91	666738	16.481 ug/l	99
86) Hexachloroethane	14.214	117	129935	14.346 ug/l	93
87) 1,2-Dichlorobenzene	13.989	146	411567	18.647 ug/l	98
88) 1,2-Dibromo-3-Chloropr...	14.603	75	55721	17.631 ug/l	97
89) 1,2,4-Trichlorobenzene	15.265	180	168069	15.102 ug/l	98
90) Hexachlorobutadiene	15.372	225	104708	17.996 ug/l	99
91) Naphthalene	15.509	128	446530	13.872 ug/l	99
92) 1,2,3-Trichlorobenzene	15.702	180	167037	15.705 ug/l	100

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

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