Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042823\
Data File : VN077497.D
Acq On : 28 Apr 2023 11:33
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 28 13:12:36 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N042823W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Apr 07 13:04:49 2023
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 04/29/2023
Supervised By :Semsettin Yesilyurt 04/29/2023

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04/29/2023

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	7.819	128	66268	30.000	ug/l		0.00
28) 1,4-Difluorobenzene	9.107	114	485015	30.000	ug/l		0.00
57) Chlorobenzene-d5	11.866	117	516366	30.000	ug/l		0.00
System Monitoring Compounds							
27) 1,2-Dichloroethane-d4	8.584	65	174244	31.003	ug/l		0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 103.333%				
60) 4-Bromofluorobenzene	12.854	95	253549	28.397	ug/l		0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 94.667%				
63) Toluene-d8	10.572	98	547144	30.141	ug/l		0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 100.467%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.137	85	38346	6.087	ug/l		93
3) Chloromethane	2.372	50	31539	3.768	ug/l		96
4) Vinyl Chloride	2.525	62	43597	3.637	ug/l		97
5) Bromomethane	2.954	94	38935m	4.310	ug/l		
6) Chloroethane	3.125	64	32534	4.049	ug/l		96
7) Trichlorofluoromethane	3.513	101	62933	5.638	ug/l		91
8) Diethyl Ether	3.972	74	22619	4.754	ug/l		93
9) 1,1,2-Trichlorotrifluo...	4.384	101	35605	5.101	ug/l		81
10) 1,1-Dichloroethene	4.354	96	35233m	5.046	ug/l		
11) Methyl Iodide	4.601	142	41081	5.207	ug/l		98
12) Methyl Acetate	5.043	43	47462	4.562	ug/l		91
13) Acrolein	4.190	56	33304	25.790	ug/l		99
14) Acrylonitrile	5.737	53	75449	21.217	ug/l	#	86
15) Acetone	4.443	58	24190	18.750	ug/l		91
16) Carbon Disulfide	4.719	76	87458	4.745	ug/l	#	93
17) Allyl chloride	5.037	41	36594m	4.071	ug/l		
18) Methylene Chloride	5.284	84	42601	5.254	ug/l	#	83
19) trans-1,2-Dichloroethene	5.801	96	38341	5.050	ug/l		86
20) Diisopropyl ether	6.684	45	84473	3.943	ug/l		99
21) 1,1-Dichloroethane	6.584	63	65811	4.846	ug/l		95
22) cis-1,2-Dichloroethene	7.489	96	47329	5.113	ug/l		91
23) tert-Butyl Alcohol	5.531	59	32232	20.384	ug/l	#	100
24) Methyl tert-Butyl Ether	5.813	73	117910	4.690	ug/l	#	65
25) Chloroform	7.966	83	72782	4.946	ug/l		97
26) Cyclohexane	8.260	56	51132	4.333	ug/l	#	52
29) 1,1-Dichloropropene	8.372	75	53238	5.067	ug/l		99
30) 2-Butanone	7.489	43	98251	19.775	ug/l		97
31) 2,2-Dichloropropane	7.501	77	62408	4.839	ug/l	#	80
32) 1,1,1-Trichloroethane	8.172	97	69999	5.414	ug/l	#	87
33) Carbon Tetrachloride	8.366	117	56565	5.126	ug/l	#	87
34) Benzene	8.607	78	158087	4.863	ug/l	#	87
35) Methacrylonitrile	7.795	41	20619	4.405	ug/l		91
36) 1,2-Dichloroethane	8.678	62	55124	5.408	ug/l		99
37) Trichloroethene	9.354	130	40352	5.075	ug/l		97
38) Methylcyclohexane	9.607	83	64173	4.503	ug/l		100
39) 1,2-Dichloropropane	9.625	63	36293	4.497	ug/l		98
40) Dibromomethane	9.713	93	29931	5.147	ug/l		99
41) Bromodichloromethane	9.889	83	55948	4.825	ug/l	#	97
42) Vinyl Acetate	6.613	43	259628	18.055	ug/l	#	100

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Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
43) Ethyl Acetate	7.560	43	37589	4.089 ug/l #	88
44) Isopropyl Acetate	8.695	43	65509	3.980 ug/l #	100
45) 1,4-Dioxane	9.695	88	14992	86.370 ug/l	98
46) Methyl methacrylate	9.683	41	29513	4.165 ug/l	96
47) n-amyl Acetate	12.501	43	47756	3.320 ug/l	96
48) t-1,3-Dichloropropene	10.836	75	53814	4.147 ug/l	100
49) cis-1,3-Dichloropropene	10.313	75	59110	4.282 ug/l	93
50) 1,1,2-Trichloroethane	11.019	97	40604	4.807 ug/l	95
51) Ethyl methacrylate	10.878	69	55228	4.258 ug/l	94
52) 1,3-Dichloropropane	11.166	76	67986	4.823 ug/l	99
53) Dibromochloromethane	11.360	129	39448	4.431 ug/l	97
54) 1,2-Dibromoethane	11.472	107	41339	4.876 ug/l	100
55) 2-Chloroethyl vinyl ether	10.160	63	77311	19.306 ug/l #	88
56) Bromoform	12.583	173	25159	4.207 ug/l #	98
58) 4-Methyl-2-Pentanone	10.448	43	189402	19.590 ug/l #	93
59) 2-Hexanone	11.195	43	139340	18.645 ug/l	95
61) Tetrachloroethene	11.107	164	31488	5.127 ug/l	93
62) Toluene	10.630	91	181601	5.041 ug/l	98
64) Chlorobenzene	11.895	112	107180	4.897 ug/l	90
65) 1,1,1,2-Tetrachloroethane	11.960	131	38249	4.752 ug/l	95
66) Ethyl Benzene	11.966	91	186563	4.674 ug/l	100
67) m/p-Xylenes	12.077	106	144957	9.265 ug/l	98
68) o-Xylene	12.401	106	73659	4.706 ug/l	99
69) Styrene	12.413	104	107301	4.279 ug/l	97
70) Isopropylbenzene	12.701	105	187031	4.708 ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.942	83	57351	4.715 ug/l	99
72) 1,2,3-Trichloropropane	12.995	75	50091m	6.058 ug/l	
73) Bromobenzene	12.977	156	40723	5.046 ug/l	92
74) n-propylbenzene	13.036	91	194020	4.415 ug/l	99
75) 2-Chlorotoluene	13.130	91	119176	4.527 ug/l	99
76) 1,3,5-Trimethylbenzene	13.177	105	118452	3.664 ug/l	96
77) t-1,4-Dichloro-2-butene	12.742	75	14088	3.345 ug/l	97
78) 4-Chlorotoluene	13.224	91	108843	4.375 ug/l	97
79) tert-butylbenzene	13.442	119	132430	4.707 ug/l	97
80) 1,2,4-Trimethylbenzene	13.489	105	102587	3.255 ug/l	99
81) sec-Butylbenzene	13.618	105	167058	4.157 ug/l	98
82) p-Isopropyltoluene	13.730	119	120700	3.749 ug/l	96
83) 1,3-Dichlorobenzene	13.736	146	64366	4.207 ug/l	100
84) 1,4-Dichlorobenzene	13.818	146	60893	4.102 ug/l	97
85) n-Butylbenzene	14.060	91	82805	3.113 ug/l	97
86) Hexachloroethane	14.336	117	27017	3.945 ug/l	100
87) 1,2-Dichlorobenzene	14.107	146	65124	4.344 ug/l	98
88) 1,2-Dibromo-3-Chloropr...	14.718	75	9141	3.922 ug/l	92
89) 1,2,4-Trichlorobenzene	15.389	180	10908	1.850 ug/l	94
90) Hexachlorobutadiene	15.507	225	14129	4.671 ug/l	97
91) Naphthalene	15.642	128	33057	1.467 ug/l	99
92) 1,2,3-Trichlorobenzene	15.836	180	11709	2.035 ug/l	84

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

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