Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101823\
Data File : VN079595.D
Acq On : 18 Oct 2023 11:47
Operator : JC\MD
Sample : VSTDCCC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 19 06:11:36 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N101723W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Oct 18 02:19:15 2023
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Manual Integrations APPROVED

Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/20/2023

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	7.812	128	19772m	30.000	ug/l		-0.01
28) 1,4-Difluorobenzene	9.106	114	145700	30.000	ug/l		0.00
57) Chlorobenzene-d5	11.871	117	178258	30.000	ug/l		0.00
System Monitoring Compounds							
27) 1,2-Dichloroethane-d4	8.583	65	85653	30.469	ug/l		0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 101.567%				
60) 4-Bromofluorobenzene	12.853	95	99039	30.382	ug/l		0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 101.267%				
63) Toluene-d8	10.571	98	235739	30.862	ug/l		0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 102.867%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.130	85	59709	20.824	ug/l		99
3) Chloromethane	2.371	50	73086	19.666	ug/l		100
4) Vinyl Chloride	2.518	62	83564	20.835	ug/l		98
5) Bromomethane	2.959	94	47016	18.906	ug/l		93
6) Chloroethane	3.124	64	54558	19.326	ug/l	#	87
7) Trichlorofluoromethane	3.501	101	104629	21.378	ug/l		99
8) Diethyl Ether	3.965	74	35255	19.876	ug/l		97
9) 1,1,2-Trichlorotrifluo...	4.371	101	59471	21.239	ug/l		98
10) 1,1-Dichloroethene	4.342	96	53592	20.116	ug/l		90
11) Methyl Iodide	4.589	142	60180	20.403	ug/l		100
12) Methyl Acetate	5.030	43	132825	20.682	ug/l		98
13) Acrolein	4.183	56	55156m	103.892	ug/l		
14) Acrylonitrile	5.724	53	156779	101.936	ug/l		100
15) Acetone	4.436	58	50873	104.416	ug/l		80
16) Carbon Disulfide	4.718	76	159128	19.588	ug/l		99
17) Allyl chloride	5.030	41	80664	19.639	ug/l		99
18) Methylene Chloride	5.283	84	67501	20.585	ug/l		94
19) trans-1,2-Dichloroethene	5.789	96	62420	20.943	ug/l		97
20) Diisopropyl ether	6.677	45	199062	20.439	ug/l		95
21) 1,1-Dichloroethane	6.577	63	121709	20.565	ug/l		96
22) cis-1,2-Dichloroethene	7.489	96	71734	20.896	ug/l		94
23) tert-Butyl Alcohol	5.518	59	46031	89.502	ug/l	#	100
24) Methyl tert-Butyl Ether	5.795	73	178028	19.916	ug/l		99
25) Chloroform	7.971	83	126614	21.173	ug/l		91
26) Cyclohexane	8.265	56	89303	19.961	ug/l	#	98
29) 1,1-Dichloropropene	8.377	75	90823	21.331	ug/l		99
30) 2-Butanone	7.489	43	216687	101.526	ug/l		99
31) 2,2-Dichloropropane	7.489	77	96866	20.177	ug/l		97
32) 1,1,1-Trichloroethane	8.171	97	106258	20.996	ug/l		98
33) Carbon Tetrachloride	8.365	117	92542	21.501	ug/l		98
34) Benzene	8.612	78	271745	21.006	ug/l		97
35) Methacrylonitrile	7.783	41	45512	20.271	ug/l		94
36) 1,2-Dichloroethane	8.677	62	98286	21.279	ug/l		100
37) Trichloroethene	9.359	130	63126	20.876	ug/l		99
38) Methylcyclohexane	9.606	83	80357	19.602	ug/l		99
39) 1,2-Dichloropropane	9.630	63	71825	21.039	ug/l		98
40) Dibromomethane	9.718	93	47067	21.008	ug/l		98
41) Bromodichloromethane	9.894	83	97003	20.892	ug/l		97
42) Vinyl Acetate	6.606	43	538710	99.501	ug/l		99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.559	43	90794	22.623	ug/l #	77
44) Isopropyl Acetate	8.694	43	137651	19.294	ug/l	98
45) 1,4-Dioxane	9.700	88	23081	413.304	ug/l	96
46) Methyl methacrylate	9.682	41	66120	20.891	ug/l	98
47) n-amyl Acetate	12.500	43	101368	19.687	ug/l	99
48) t-1,3-Dichloropropene	10.841	75	93701	19.963	ug/l	96
49) cis-1,3-Dichloropropene	10.312	75	106137	20.679	ug/l	94
50) 1,1,2-Trichloroethane	11.018	97	66458	21.382	ug/l	95
51) Ethyl methacrylate	10.877	69	86589	20.192	ug/l	96
52) 1,3-Dichloropropane	11.165	76	115766	21.025	ug/l	99
53) Dibromochloromethane	11.359	129	68652	21.612	ug/l	100
54) 1,2-Dibromoethane	11.471	107	65582	21.388	ug/l	100
55) 2-Chloroethyl vinyl ether	10.165	63	150997	92.292	ug/l	99
56) Bromoform	12.582	173	43104	20.512	ug/l	96
58) 4-Methyl-2-Pentanone	10.447	43	435963	104.854	ug/l	100
59) 2-Hexanone	11.200	43	309998	101.629	ug/l	99
61) Tetrachloroethene	11.106	164	52963	21.640	ug/l	96
62) Toluene	10.635	91	290151	21.298	ug/l	99
64) Chlorobenzene	11.894	112	164812	20.859	ug/l	93
65) 1,1,1,2-Tetrachloroethane	11.965	131	65210	21.665	ug/l	92
66) Ethyl Benzene	11.965	91	291477	20.765	ug/l	99
67) m/p-Xylenes	12.076	106	225635	43.461	ug/l	97
68) o-Xylene	12.400	106	105665	21.290	ug/l	98
69) Styrene	12.418	104	171614	21.781	ug/l	99
70) Isopropylbenzene	12.700	105	269893	21.189	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.941	83	97627	21.556	ug/l	100
72) 1,2,3-Trichloropropane	12.994	75	85389m	20.762	ug/l	
73) Bromobenzene	12.982	156	64507	21.559	ug/l	99
74) n-propylbenzene	13.041	91	321773	21.699	ug/l	100
75) 2-Chlorotoluene	13.129	91	197506	21.424	ug/l	100
76) 1,3,5-Trimethylbenzene	13.176	105	227497	21.849	ug/l	98
77) t-1,4-Dichloro-2-butene	12.741	75	24271	19.336	ug/l	98
78) 4-Chlorotoluene	13.223	91	186234	21.381	ug/l	99
79) tert-butylbenzene	13.441	119	172016	20.547	ug/l	98
80) 1,2,4-Trimethylbenzene	13.488	105	216539	21.462	ug/l	98
81) sec-Butylbenzene	13.623	105	253760	21.592	ug/l	99
82) p-Isopropyltoluene	13.735	119	200757	21.534	ug/l	99
83) 1,3-Dichlorobenzene	13.735	146	106140	21.572	ug/l	99
84) 1,4-Dichlorobenzene	13.818	146	100672	21.343	ug/l	99
85) n-Butylbenzene	14.059	91	150800	20.703	ug/l	99
86) Hexachloroethane	14.335	117	42063	20.870	ug/l	96
87) 1,2-Dichlorobenzene	14.106	146	107191	21.919	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	14.723	75	13451	19.491	ug/l	93
89) 1,2,4-Trichlorobenzene	15.847	180	31719	18.401	ug/l	99
90) Hexachlorobutadiene	15.506	225	24715	20.242	ug/l	100
91) Naphthalene	15.647	128	64814	14.577	ug/l	99
92) 1,2,3-Trichlorobenzene	15.847	180	31719	18.401	ug/l	99

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

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