Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080123\
Data File : VN078726.D
Acq On : 01 Aug 2023 19:49
Operator : JC\MD
Sample : 03572-08 5.0PPB
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT3-2023

Manual Integrations APPROVED

Reviewed By :John Carlone 08/02/2023
Supervised By :Mahesh Dadoda 08/02/2023

Quant Time: Aug 02 04:28:17 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N080123W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Aug 02 04:20:43 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	7.824	128	96351	30.000	ug/l		0.00
28) 1,4-Difluorobenzene	9.106	114	523702	30.000	ug/l		0.00
57) Chlorobenzene-d5	11.871	117	450772	30.000	ug/l		0.00
System Monitoring Compounds							
27) 1,2-Dichloroethane-d4	8.583	65	214789	29.739	ug/l		0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 99.133%				
60) 4-Bromofluorobenzene	12.853	95	166337	24.623	ug/l		0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 82.067%				
63) Toluene-d8	10.571	98	662199	29.738	ug/l		0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 99.133%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.136	85	34986	5.757	ug/l		98
3) Chloromethane	2.371	50	49195	6.576	ug/l		99
4) Vinyl Chloride	2.518	62	60646	5.965	ug/l		90
5) Bromomethane	2.959	94	43546	5.730	ug/l		96
6) Chloroethane	3.118	64	43636	6.590	ug/l		93
7) Trichlorofluoromethane	3.501	101	87153	8.357	ug/l		97
8) Diethyl Ether	3.977	74	17776	5.221	ug/l		95
9) 1,1,2-Trichlorotrifluo...	4.383	101	28320	5.059	ug/l	#	31
10) 1,1-Dichloroethene	4.359	96	27979	5.212	ug/l		93
11) Methyl Iodide	4.606	142	38297	5.076	ug/l		91
12) Methyl Acetate	5.036	43	46111	5.296	ug/l		90
13) Acrolein	4.189	56	23834	25.706	ug/l		97
14) Acrylonitrile	5.736	53	62846	24.650	ug/l		98
15) Acetone	4.442	58	17811m	24.111	ug/l		
16) Carbon Disulfide	4.724	76	73597	4.854	ug/l		99
17) Allyl chloride	5.036	41	33476	4.567	ug/l		89
18) Methylene Chloride	5.283	84	37267	5.787	ug/l		88
19) trans-1,2-Dichloroethene	5.795	96	32832	5.290	ug/l		84
20) Diisopropyl ether	6.683	45	79701	4.830	ug/l	#	88
21) 1,1-Dichloroethane	6.583	63	56131	5.137	ug/l		97
22) cis-1,2-Dichloroethene	7.494	96	35182	5.048	ug/l		95
23) tert-Butyl Alcohol	5.542	59	31528m	30.262	ug/l		
24) Methyl tert-Butyl Ether	5.806	73	85488m	4.736	ug/l		
25) Chloroform	7.977	83	57822	4.998	ug/l		96
26) Cyclohexane	8.265	56	38487	4.781	ug/l	#	100
29) 1,1-Dichloropropene	8.383	75	39260	5.095	ug/l		99
30) 2-Butanone	7.500	43	78080	25.632	ug/l		96
31) 2,2-Dichloropropane	7.500	77	41800	4.727	ug/l	#	88
32) 1,1,1-Trichloroethane	8.177	97	52226	5.357	ug/l		94
33) Carbon Tetrachloride	8.371	117	46739	5.398	ug/l		91
34) Benzene	8.612	78	126751	5.476	ug/l	#	90
35) Methacrylonitrile	7.789	41	15987	4.779	ug/l		83
36) 1,2-Dichloroethane	8.677	62	43910	5.401	ug/l		99
37) Trichloroethene	9.359	130	32032	4.931	ug/l		97
38) Methylcyclohexane	9.606	83	36764	4.643	ug/l		97
39) 1,2-Dichloropropane	9.630	63	32252	5.197	ug/l		98
40) Dibromomethane	9.712	93	23095	5.377	ug/l		94
41) Bromodichloromethane	9.900	83	45411	5.289	ug/l		97
42) Vinyl Acetate	6.618	43	246825	25.203	ug/l		100

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
43) Ethyl Acetate	7.577	43	27033	4.293	ug/l	#	79
44) Isopropyl Acetate	8.700	43	59936	5.425	ug/l	#	69
45) 1,4-Dioxane	9.700	88	10192	100.277	ug/l	#	88
46) Methyl methacrylate	9.688	41	24179	4.779	ug/l		93
47) n-amyl Acetate	12.500	43	35871	4.215	ug/l		98
48) t-1,3-Dichloropropene	10.841	75	43964	4.797	ug/l		92
49) cis-1,3-Dichloropropene	10.318	75	46326	4.759	ug/l		95
50) 1,1,2-Trichloroethane	11.024	97	32325	5.317	ug/l		91
51) Ethyl methacrylate	10.877	69	40131	4.821	ug/l		95
52) 1,3-Dichloropropane	11.165	76	50440	4.616	ug/l		99
53) Dibromochloromethane	11.365	129	39255	5.716	ug/l		100
54) 1,2-Dibromoethane	11.477	107	30776	5.041	ug/l		91
55) 2-Chloroethyl vinyl ether	10.165	63	65578	24.725	ug/l		98
56) Bromoform	12.582	173	22380	4.980	ug/l		96
58) 4-Methyl-2-Pentanone	10.453	43	161560	23.945	ug/l		99
59) 2-Hexanone	11.200	43	112965	22.112	ug/l		96
61) Tetrachloroethene	11.112	164	27144	4.579	ug/l	#	84
62) Toluene	10.635	91	138556	5.110	ug/l		98
64) Chlorobenzene	11.900	112	81041	5.119	ug/l		94
65) 1,1,1,2-Tetrachloroethane	11.965	131	31540	5.052	ug/l		98
66) Ethyl Benzene	11.971	91	133764	4.895	ug/l		96
67) m/p-Xylenes	12.071	106	93971	9.002	ug/l		96
68) o-Xylene	12.400	106	46456	4.374	ug/l		94
69) Styrene	12.418	104	66907	3.915	ug/l		99
70) Isopropylbenzene	12.700	105	115771	4.406	ug/l		98
71) 1,1,2,2-Tetrachloroethane	12.941	83	39382	4.614	ug/l		99
72) 1,2,3-Trichloropropane	12.994	75	32212m	4.499	ug/l		
73) Bromobenzene	12.988	156	29878	4.639	ug/l		89
74) n-propylbenzene	13.041	91	122895	4.220	ug/l		100
75) 2-Chlorotoluene	13.129	91	77574	3.857	ug/l		97
76) 1,3,5-Trimethylbenzene	13.176	105	94180	4.015	ug/l		96
77) t-1,4-Dichloro-2-butene	12.741	75	9888	3.951	ug/l		70
78) 4-Chlorotoluene	13.229	91	67429	3.472	ug/l		99
79) tert-butylbenzene	13.441	119	80796	4.001	ug/l		97
80) 1,2,4-Trimethylbenzene	13.488	105	82341	3.675	ug/l		96
81) sec-Butylbenzene	13.618	105	96419	3.726	ug/l		98
82) p-Isopropyltoluene	13.729	119	74684	3.515	ug/l		98
83) 1,3-Dichlorobenzene	13.735	146	37172	3.255	ug/l		94
84) 1,4-Dichlorobenzene	13.818	146	35048	3.278	ug/l		96
85) n-Butylbenzene	14.059	91	47364	3.215	ug/l		95
86) Hexachloroethane	14.335	117	19269	4.977	ug/l		92
87) 1,2-Dichlorobenzene	14.118	146	38570	3.608	ug/l		96
88) 1,2-Dibromo-3-Chloropr...	14.729	75	5402	3.727	ug/l		94
89) 1,2,4-Trichlorobenzene	15.394	180	7799m	2.557	ug/l		
90) Hexachlorobutadiene	15.500	225	10924	4.702	ug/l		96
91) Naphthalene	15.647	128	24689	2.672	ug/l	#	96
92) 1,2,3-Trichlorobenzene	15.847	180	10367	2.987	ug/l		90

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

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