Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050724\
Data File : VN082020.D
Acq On : 07 May 2024 12:36
Operator : JC\MD
Sample : P2403-08 5.0PPB
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT2-2024

Manual Integrations APPROVED
Reviewed By :John Carlone 05/08/2024
Supervised By :Mahesh Dadoda 05/08/2024

Quant Time: May 08 07:59:25 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N042624W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Sat Apr 27 04:37:27 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	7.812	128	28332	30.000	ug/l		0.00
28) 1,4-Difluorobenzene	9.100	114	171420	30.000	ug/l	#	0.00
57) Chlorobenzene-d5	11.865	117	147448	30.000	ug/l		0.00
System Monitoring Compounds							
27) 1,2-Dichloroethane-d4	8.577	65	75343	31.762	ug/l		0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 105.867%				
60) 4-Bromofluorobenzene	12.847	95	70344	28.667	ug/l		0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 95.567%				
63) Toluene-d8	10.565	98	213900	30.547	ug/l		0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 101.833%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.124	85	8604	5.350	ug/l		96
3) Chloromethane	2.359	50	11070	5.935	ug/l		99
4) Vinyl Chloride	2.518	62	11761	6.675	ug/l		97
5) Bromomethane	2.971	94	6076m	6.609	ug/l		
6) Chloroethane	3.118	64	6854	6.870	ug/l		96
7) Trichlorofluoromethane	3.500	101	13129m	5.092	ug/l		
8) Diethyl Ether	3.971	74	5942m	4.761	ug/l		
9) 1,1,2-Trichlorotrifluo...	4.377	101	9255	5.236	ug/l		30
10) 1,1-Dichloroethene	4.341	96	8879m	5.135	ug/l		
11) Methyl Iodide	4.583	142	6292m	3.982	ug/l		
12) Methyl Acetate	5.012	43	11404	5.267	ug/l	#	71
13) Acrolein	4.183	56	8202	17.824	ug/l	#	82
14) Acrylonitrile	5.712	53	25934m	26.244	ug/l		
15) Acetone	4.424	58	6174m	27.882	ug/l		
16) Carbon Disulfide	4.712	76	27366m	5.712	ug/l		
17) Allyl chloride	5.018	41	15863	5.225	ug/l		76
18) Methylene Chloride	5.271	84	9917m	5.041	ug/l		
19) trans-1,2-Dichloroethene	5.794	96	9664m	5.369	ug/l		
20) Diisopropyl ether	6.677	45	31082	4.627	ug/l		91
21) 1,1-Dichloroethane	6.583	63	18313m	5.149	ug/l		
22) cis-1,2-Dichloroethene	7.482	96	10547m	4.809	ug/l		
23) tert-Butyl Alcohol	5.530	59	8704m	21.384	ug/l		
24) Methyl tert-Butyl Ether	5.800	73	28241	4.530	ug/l	#	71
25) Chloroform	7.965	83	17186	5.023	ug/l		91
26) Cyclohexane	8.253	56	17381	5.651	ug/l	#	91
29) 1,1-Dichloropropene	8.377	75	12176	4.771	ug/l		67
30) 2-Butanone	7.482	43	33408	25.396	ug/l	#	92
31) 2,2-Dichloropropane	7.482	77	15705m	6.005	ug/l		
32) 1,1,1-Trichloroethane	8.171	97	13868	4.725	ug/l	#	82
33) Carbon Tetrachloride	8.365	117	10987	4.613	ug/l	#	67
34) Benzene	8.606	78	43317	5.320	ug/l	#	84
35) Methacrylonitrile	7.777	41	7836	4.708	ug/l		79
36) 1,2-Dichloroethane	8.671	62	13414	4.908	ug/l	#	82
37) Trichloroethene	9.353	130	9362	4.695	ug/l		97
38) Methylcyclohexane	9.606	83	16345	5.302	ug/l		99
39) 1,2-Dichloropropane	9.624	63	10386	4.972	ug/l		98
40) Dibromomethane	9.712	93	5920	4.411	ug/l		72
41) Bromodichloromethane	9.888	83	12825	4.471	ug/l	#	93
42) Vinyl Acetate	6.606	43	128749	22.994	ug/l	#	86

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Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
43) Ethyl Acetate	7.559	43	14638	5.104 ug/l	96
44) Isopropyl Acetate	8.688	43	23532	4.621 ug/l	91
45) 1,4-Dioxane	9.700	88	4024	98.540 ug/l #	63
46) Methyl methacrylate	9.676	41	10678	4.590 ug/l	75
47) n-amyl Acetate	12.494	43	20312	4.423 ug/l #	89
48) t-1,3-Dichloropropene	10.841	75	13797	4.435 ug/l	99
49) cis-1,3-Dichloropropene	10.318	75	14978	4.554 ug/l #	91
50) 1,1,2-Trichloroethane	11.018	97	8586	4.716 ug/l	94
51) Ethyl methacrylate	10.876	69	15553	4.526 ug/l	85
52) 1,3-Dichloropropane	11.165	76	16034	4.793 ug/l	98
53) Dibromochloromethane	11.365	129	7973	4.025 ug/l	99
54) 1,2-Dibromoethane	11.465	107	8682	4.781 ug/l	93
55) 2-Chloroethyl vinyl ether	10.159	63	45026	26.203 ug/l	94
56) Bromoform	12.582	173	4111	3.410 ug/l #	87
58) 4-Methyl-2-Pentanone	10.447	43	67457	23.562 ug/l #	86
59) 2-Hexanone	11.200	43	51955	24.475 ug/l #	87
61) Tetrachloroethene	11.100	164	7044	4.305 ug/l #	81
62) Toluene	10.635	91	40398	4.869 ug/l	98
64) Chlorobenzene	11.894	112	25201	4.966 ug/l	96
65) 1,1,1,2-Tetrachloroethane	11.970	131	6932m	4.174 ug/l	
66) Ethyl Benzene	11.965	91	43709	4.806 ug/l	99
67) m/p-Xylenes	12.070	106	32612	9.672 ug/l	95
68) o-Xylene	12.400	106	14681	4.401 ug/l	90
69) Styrene	12.417	104	25544	4.562 ug/l	96
70) Isopropylbenzene	12.700	105	37359	4.410 ug/l	94
71) 1,1,2,2-Tetrachloroethane	12.935	83	12169	4.991 ug/l	97
72) 1,2,3-Trichloropropane	12.994	75	10857m	4.763 ug/l	
73) Bromobenzene	12.976	156	8526	4.701 ug/l	83
74) n-propylbenzene	13.035	91	48635	4.866 ug/l	95
75) 2-Chlorotoluene	13.129	91	29086	4.704 ug/l	96
76) 1,3,5-Trimethylbenzene	13.176	105	31575	4.604 ug/l	100
77) t-1,4-Dichloro-2-butene	12.741	75	4245	4.184 ug/l #	60
78) 4-Chlorotoluene	13.223	91	26731	4.413 ug/l	95
79) tert-butylbenzene	13.441	119	28137	4.765 ug/l	99
80) 1,2,4-Trimethylbenzene	13.482	105	30741	4.463 ug/l	99
81) sec-Butylbenzene	13.617	105	38833	4.692 ug/l	97
82) p-Isopropyltoluene	13.729	119	29586	4.521 ug/l	97
83) 1,3-Dichlorobenzene	13.735	146	15358	4.703 ug/l	78
84) 1,4-Dichlorobenzene	13.817	146	14938	4.551 ug/l	93
85) n-Butylbenzene	14.059	91	27226	4.554 ug/l	99
86) Hexachloroethane	14.341	117	5192	3.979 ug/l	60
87) 1,2-Dichlorobenzene	14.106	146	14498	4.458 ug/l	95
88) 1,2-Dibromo-3-Chloropr...	14.729	75	2213m	4.045 ug/l	
89) 1,2,4-Trichlorobenzene	15.841	180	6958m	3.885 ug/l	
90) Hexachlorobutadiene	15.505	225	2914	4.393 ug/l	47
91) Naphthalene	15.647	128	23485	3.450 ug/l	99
92) 1,2,3-Trichlorobenzene	15.841	180	6958	3.885 ug/l	92

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

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