Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011124\
Data File : VN080673.D
Acq On : 11 Jan 2024 13:31
Operator : JC\MD
Sample : VN0111WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jan 12 05:22:21 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N011124W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Jan 12 05:20:11 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0111WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 01/12/2024
Supervised By :Semsettin Yesilyurt 01/12/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	7.812	128	16169	30.000	ug/l		0.00
28) 1,4-Difluorobenzene	9.100	114	134463	30.000	ug/l		0.00
57) Chlorobenzene-d5	11.865	117	146816	30.000	ug/l		0.00
System Monitoring Compounds							
27) 1,2-Dichloroethane-d4	8.577	65	72494	27.764	ug/l		0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 92.533%				
60) 4-Bromofluorobenzene	12.847	95	95781	29.491	ug/l		0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 98.300%				
63) Toluene-d8	10.565	98	197261	30.615	ug/l		0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 102.033%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.124	85	54207	19.725	ug/l		94
3) Chloromethane	2.360	50	73195	19.553	ug/l		95
4) Vinyl Chloride	2.518	62	57130	20.062	ug/l		93
5) Bromomethane	2.965	94	20652	19.752	ug/l		89
6) Chloroethane	3.124	64	30356	19.718	ug/l		99
7) Trichlorofluoromethane	3.501	101	80433	18.907	ug/l		98
8) Diethyl Ether	3.959	74	36797	18.587	ug/l		70
9) 1,1,2-Trichlorotrifluo...	4.383	101	50064	20.422	ug/l		86
10) 1,1-Dichloroethene	4.336	96	53907	20.471	ug/l		94
11) Methyl Iodide	4.589	142	42831	19.070	ug/l		88
12) Methyl Acetate	5.012	43	59576	19.123	ug/l	#	77
13) Acrolein	4.177	56	35872	86.621	ug/l		97
14) Acrylonitrile	5.712	53	136691	97.366	ug/l		98
15) Acetone	4.418	58	31348	98.435	ug/l		85
16) Carbon Disulfide	4.712	76	158005	19.369	ug/l	#	95
17) Allyl chloride	5.018	41	99575	18.680	ug/l		81
18) Methylene Chloride	5.271	84	60980	19.928	ug/l	#	84
19) trans-1,2-Dichloroethene	5.783	96	55266	19.962	ug/l		91
20) Diisopropyl ether	6.665	45	218697	20.217	ug/l		91
21) 1,1-Dichloroethane	6.565	63	117630	20.024	ug/l		94
22) cis-1,2-Dichloroethene	7.489	96	64270	19.843	ug/l		89
23) tert-Butyl Alcohol	5.500	59	44233m	91.356	ug/l		
24) Methyl tert-Butyl Ether	5.789	73	189074	19.858	ug/l	#	92
25) Chloroform	7.965	83	108755	19.885	ug/l		99
26) Cyclohexane	8.259	56	92598	20.045	ug/l	#	90
29) 1,1-Dichloropropene	8.377	75	84736	20.731	ug/l		95
30) 2-Butanone	7.477	43	188020	103.954	ug/l		91
31) 2,2-Dichloropropane	7.483	77	101718	20.715	ug/l		98
32) 1,1,1-Trichloroethane	8.165	97	90423	20.105	ug/l		95
33) Carbon Tetrachloride	8.365	117	70979m	19.982	ug/l		
34) Benzene	8.606	78	248017	20.457	ug/l		96
35) Methacrylonitrile	7.777	41	44470	19.594	ug/l		92
36) 1,2-Dichloroethane	8.671	62	86595	19.425	ug/l		95
37) Trichloroethene	9.353	130	54049	20.442	ug/l		93
38) Methylcyclohexane	9.600	83	82189	20.640	ug/l		91
39) 1,2-Dichloropropane	9.624	63	68757	21.041	ug/l		94
40) Dibromomethane	9.706	93	40438	20.798	ug/l		87
41) Bromodichloromethane	9.888	83	84742	19.917	ug/l	#	99
42) Vinyl Acetate	6.600	43	851531	101.295	ug/l		94

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
43) Ethyl Acetate	7.559	43	78759	20.737	ug/l	#	88
44) Isopropyl Acetate	8.683	43	146252	20.173	ug/l		92
45) 1,4-Dioxane	9.694	88	14629	354.786	ug/l	#	84
46) Methyl methacrylate	9.683	41	67561	19.790	ug/l		76
47) n-amyl Acetate	12.494	43	131792m	20.258	ug/l		
48) t-1,3-Dichloropropene	10.835	75	102026	20.351	ug/l		99
49) cis-1,3-Dichloropropene	10.312	75	107843	20.267	ug/l	#	83
50) 1,1,2-Trichloroethane	11.018	97	55447	20.765	ug/l		96
51) Ethyl methacrylate	10.871	69	94655	20.507	ug/l		78
52) 1,3-Dichloropropane	11.165	76	99877	19.869	ug/l		100
53) Dibromochloromethane	11.359	129	53771	20.124	ug/l		97
54) 1,2-Dibromoethane	11.471	107	53655	20.442	ug/l		98
55) 2-Chloroethyl vinyl ether	10.159	63	206317	86.962	ug/l		95
56) Bromoform	12.576	173	30531	19.343	ug/l		95
58) 4-Methyl-2-Pentanone	10.441	43	404242	104.668	ug/l	#	85
59) 2-Hexanone	11.194	43	299524	103.872	ug/l	#	87
61) Tetrachloroethene	11.100	164	41405	21.186	ug/l		95
62) Toluene	10.630	91	247663	20.973	ug/l		100
64) Chlorobenzene	11.894	112	141205	21.469	ug/l		95
65) 1,1,1,2-Tetrachloroethane	11.959	131	47658	20.167	ug/l		93
66) Ethyl Benzene	11.965	91	264699	21.313	ug/l		94
67) m/p-Xylenes	12.071	106	192768	43.183	ug/l		95
68) o-Xylene	12.400	106	94392	21.202	ug/l		95
69) Styrene	12.412	104	158167	21.147	ug/l		98
70) Isopropylbenzene	12.694	105	233819	21.490	ug/l		99
71) 1,1,2,2-Tetrachloroethane	12.941	83	70958	19.980	ug/l		98
72) 1,2,3-Trichloropropane	12.994	75	65885m	19.574	ug/l		
73) Bromobenzene	12.982	156	47181	20.343	ug/l		72
74) n-propylbenzene	13.035	91	283898	21.635	ug/l		96
75) 2-Chlorotoluene	13.129	91	168683	20.441	ug/l		99
76) 1,3,5-Trimethylbenzene	13.176	105	187829	20.741	ug/l		98
77) t-1,4-Dichloro-2-butene	12.735	75	30428	22.051	ug/l		95
78) 4-Chlorotoluene	13.224	91	170503	20.670	ug/l		96
79) tert-butylbenzene	13.435	119	153350	21.694	ug/l		96
80) 1,2,4-Trimethylbenzene	13.482	105	190478	21.499	ug/l		98
81) sec-Butylbenzene	13.618	105	225642	21.684	ug/l		95
82) p-Isopropyltoluene	13.729	119	177222	22.332	ug/l		97
83) 1,3-Dichlorobenzene	13.735	146	84546	21.013	ug/l		99
84) 1,4-Dichlorobenzene	13.812	146	85357	21.069	ug/l		96
85) n-Butylbenzene	14.059	91	168801	21.529	ug/l		94
86) Hexachloroethane	14.335	117	29081	19.488	ug/l		81
87) 1,2-Dichlorobenzene	14.106	146	82063	20.792	ug/l		97
88) 1,2-Dibromo-3-Chloropr...	14.723	75	13849	18.729	ug/l		88
89) 1,2,4-Trichlorobenzene	15.841	180	39424	19.915	ug/l		98
90) Hexachlorobutadiene	15.506	225	18877	20.812	ug/l		79
91) Naphthalene	15.641	128	150932	19.557	ug/l		99
92) 1,2,3-Trichlorobenzene	15.841	180	39424	19.915	ug/l		98

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

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