Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100821\
Data File : VN068851.D
Acq On : 8 Oct 2021 16:29
Operator : JC/MD
Sample : VN1008WBS02
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 11 04:53:09 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N092821W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Sep 29 08:56:32 2021
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1008WBS02

Manual Integrations APPROVED

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10/13/2021 12:38:01 PM

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	7.662	128	63127	30.00	ug/l		0.00
28) 1,4-Difluorobenzene	8.971	114	334730	30.00	ug/l		0.00
57) Chlorobenzene-d5	11.747	117	313708	30.00	ug/l		0.00
System Monitoring Compounds							
27) 1,2-Dichloroethane-d4	8.440	65	152393	31.32	ug/l		0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 104.40%				
60) 4-Bromofluorobenzene	12.734	95	138346	28.23	ug/l		0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 94.10%				
63) Toluene-d8	10.443	98	440087	31.04	ug/l		0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 103.47%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.075	85	43383	15.50	ug/l		94
3) Chloromethane	2.303	50	59755	16.68	ug/l		99
4) Vinyl Chloride	2.446	62	115941	16.60	ug/l		98
5) Bromomethane	2.856	94	113970	16.81	ug/l		96
6) Chloroethane	3.019	64	108810	19.16	ug/l		95
7) Trichlorofluoromethane	3.376	101	104935	18.01	ug/l		95
8) Diethyl Ether	3.827	74	36838	18.46	ug/l		98
9) 1,1,2-Trichlorotrifluo...	4.218	101	61540m	18.24	ug/l		
10) 1,1-Dichloroethene	4.186	96	52075	16.73	ug/l		97
11) Methyl Iodide	4.430	142	73794m	19.65	ug/l		
12) Methyl Acetate	4.859	43	103087	19.18	ug/l		97
13) Acrolein	4.041	56	16599m	73.55	ug/l		
14) Acrylonitrile	5.557	53	157680	91.33	ug/l		88
15) Acetone	4.288	58	46511	97.25	ug/l		98
16) Carbon Disulfide	4.535	76	130034	15.43	ug/l		99
17) Allyl chloride	4.843	41	85062	17.20	ug/l		96
18) Methylene Chloride	5.101	84	75639	19.35	ug/l		97
19) trans-1,2-Dichloroethene	5.602	96	62192	16.90	ug/l		93
20) Diisopropyl ether	6.495	45	206275	17.94	ug/l		98
21) 1,1-Dichloroethane	6.391	63	122454	18.34	ug/l		98
22) cis-1,2-Dichloroethene	7.327	96	79575	17.77	ug/l		97
23) tert-Butyl Alcohol	5.366	59	59073	92.21	ug/l	#	100
24) Methyl tert-Butyl Ether	5.616	73	223673	18.29	ug/l		98
25) Chloroform	7.818	83	146478	18.61	ug/l		100
26) Cyclohexane	8.099	56	91247	15.70	ug/l	#	97
29) 1,1-Dichloropropene	8.225	75	94688	17.80	ug/l		98
30) 2-Butanone	7.335	43	230009	96.27	ug/l		99
31) 2,2-Dichloropropane	7.327	77	113673	18.60	ug/l		98
32) 1,1,1-Trichloroethane	8.016	97	124314	18.24	ug/l		95
33) Carbon Tetrachloride	8.206	117	110586	18.25	ug/l		99
34) Benzene	8.461	78	295248	18.71	ug/l		98
35) Methacrylonitrile	7.635	41	43143	18.02	ug/l		94
36) 1,2-Dichloroethane	8.531	62	116967	19.81	ug/l		98
37) Trichloroethene	9.218	130	76246	18.27	ug/l		91
38) Methylcyclohexane	9.462	83	106611	16.19	ug/l		99
39) 1,2-Dichloropropane	9.491	63	77666	19.87	ug/l		98
40) Dibromomethane	9.580	93	61143	19.82	ug/l		98
41) Bromodichloromethane	9.765	83	117542	19.44	ug/l		98
42) Vinyl Acetate	6.436	43	837939	94.71	ug/l		99

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
43) Ethyl Acetate	7.413	43	89197	18.68	ug/l		99
44) Isopropyl Acetate	8.560	43	165484	19.13	ug/l		100
45) 1,4-Dioxane	9.572	88	31699	452.60	ug/l		98
46) Methyl methacrylate	9.561	41	68311	17.85	ug/l		97
47) n-amyl Acetate	12.390	43	119701	16.34	ug/l		99
48) t-1,3-Dichloropropene	10.719	75	114976	17.49	ug/l		99
49) cis-1,3-Dichloropropene	10.191	75	121248	18.04	ug/l		99
50) 1,1,2-Trichloroethane	10.899	97	81011	18.95	ug/l		98
51) Ethyl methacrylate	10.762	69	108954	16.92	ug/l		99
52) 1,3-Dichloropropane	11.047	76	129394	18.70	ug/l		100
53) Dibromochloromethane	11.240	129	86241	17.76	ug/l		97
54) 1,2-Dibromoethane	11.350	107	82344	18.36	ug/l		97
55) 2-Chloroethyl vinyl ether	10.044	63	144021	80.10	ug/l		100
56) Bromoform	12.460	173	58304	16.65	ug/l	#	99
58) 4-Methyl-2-Pentanone	10.331	43	516673	97.58	ug/l		99
59) 2-Hexanone	11.087	43	361496	93.72	ug/l		97
61) Tetrachloroethene	10.980	164	69370	18.87	ug/l		97
62) Toluene	10.508	91	343887	18.34	ug/l		99
64) Chlorobenzene	11.773	112	207788	18.05	ug/l		97
65) 1,1,1,2-Tetrachloroethane	11.843	131	82454	18.47	ug/l		99
66) Ethyl Benzene	11.846	91	369174	17.47	ug/l		98
67) m/p-Xylenes	11.953	106	282109	34.57	ug/l		100
68) o-Xylene	12.283	106	138329	17.22	ug/l		100
69) Styrene	12.296	104	229123	17.28	ug/l		98
70) Isopropylbenzene	12.581	105	358933	16.85	ug/l		99
71) 1,1,2,2-Tetrachloroethane	12.830	83	118418	19.73	ug/l		97
72) 1,2,3-Trichloropropane	12.881	75	105294m	21.65	ug/l		
73) Bromobenzene	12.865	156	81127	16.82	ug/l		97
74) n-propylbenzene	12.924	91	416603	17.06	ug/l		100
75) 2-Chlorotoluene	13.010	91	247418	17.36	ug/l		99
76) 1,3,5-Trimethylbenzene	13.061	105	302670	17.20	ug/l		99
77) t-1,4-Dichloro-2-butene	12.626	75	30928	16.30	ug/l		98
78) 4-Chlorotoluene	13.106	91	244028	17.28	ug/l		97
79) tert-butylbenzene	13.326	119	255225	16.62	ug/l		98
80) 1,2,4-Trimethylbenzene	13.372	105	297499m	17.06	ug/l		
81) sec-Butylbenzene	13.506	105	371438	16.87	ug/l		99
82) p-Isopropyltoluene	13.619	119	297964	16.34	ug/l		100
83) 1,3-Dichlorobenzene	13.619	146	152803	17.08	ug/l		99
84) 1,4-Dichlorobenzene	13.696	146	145067	17.05	ug/l		99
85) n-Butylbenzene	13.946	91	237616	15.84	ug/l		97
86) Hexachloroethane	14.214	117	57807	16.84	ug/l		99
87) 1,2-Dichlorobenzene	13.991	146	147503	17.83	ug/l		99
88) 1,2-Dibromo-3-Chloropr...	14.603	75	20351	18.96	ug/l		94
89) 1,2,4-Trichlorobenzene	15.268	180	62229	15.31	ug/l		97
90) Hexachlorobutadiene	15.373	225	36257	17.90	ug/l		96
91) Naphthalene	15.509	128	151906	13.24	ug/l		98
92) 1,2,3-Trichlorobenzene	15.705	180	61658	15.83	ug/l		97

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

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