Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN030521\
Data File : VN066140.D
Acq On : 5 Mar 2021 17:40
Operator : JC/MD
Sample : VN0305WBSD01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0305WBSD01

Manual Integrations APPROVED
MMDadoda
3/8/2021 10:53:44 AM

Quant Time: Mar 06 02:42:24 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N030521W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Sat Mar 06 02:33:59 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	7.164	128	38438	30.00	ug/l		0.00
28) 1,4-Difluorobenzene	8.553	114	214303	30.00	ug/l		0.00
57) Chlorobenzene-d5	11.376	117	196616	30.00	ug/l		0.00
System Monitoring Compounds							
27) 1,2-Dichloroethane-d4	7.994	65	99536	29.83	ug/l		0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 99.43%				
60) 4-Bromofluorobenzene	12.373	95	102460	30.09	ug/l		0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 100.30%				
63) Toluene-d8	10.058	98	267253	30.16	ug/l		0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 100.53%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.875	85	32208	17.21	ug/l		96
3) Chloromethane	2.074	50	44958	17.78	ug/l		97
4) Vinyl Chloride	2.206	62	45693	17.46	ug/l		97
5) Bromomethane	2.579	94	32572	17.73	ug/l		96
6) Chloroethane	2.717	64	26981	17.45	ug/l		98
7) Trichlorofluoromethane	3.029	101	69093	17.27	ug/l		99
8) Diethyl Ether	3.412	74	25376	18.63	ug/l		98
9) 1,1,2-Trichlorotrifluo...	3.756	101	30962	18.45	ug/l		94
10) 1,1-Dichloroethene	3.737	96	34298	17.97	ug/l		92
11) Methyl Iodide	3.949	142	50897	17.23	ug/l		90
12) Methyl Acetate	4.309	43	37878	18.45	ug/l		99
13) Acrolein	3.605	56	31726	88.61	ug/l		100
14) Acrylonitrile	4.962	53	91180	91.73	ug/l		99
15) Acetone	3.811	58	24998	85.61	ug/l	#	66
16) Carbon Disulfide	4.049	76	100542	17.94	ug/l		99
17) Allyl chloride	4.312	41	62092	18.00	ug/l		94
18) Methylene Chloride	4.537	84	43097	18.26	ug/l		97
19) trans-1,2-Dichloroethene	5.020	96	40232	18.37	ug/l		94
20) Diisopropyl ether	5.923	45	126383	18.87	ug/l		97
21) 1,1-Dichloroethane	5.820	63	75509	17.92	ug/l		99
22) cis-1,2-Dichloroethene	6.798	96	48457	18.29	ug/l		94
23) tert-Butyl Alcohol	4.782	59	41083	92.69	ug/l	#	100
24) Methyl tert-Butyl Ether	5.023	73	144842	18.66	ug/l		93
25) Chloroform	7.338	83	83111	18.24	ug/l		98
26) Cyclohexane	7.624	56	57067	17.76	ug/l	#	97
29) 1,1-Dichloropropene	7.762	75	56604	18.00	ug/l		98
30) 2-Butanone	6.801	43	114365	89.34	ug/l		99
31) 2,2-Dichloropropane	6.791	77	73609	17.85	ug/l	#	74
32) 1,1,1-Trichloroethane	7.540	97	72705	17.82	ug/l		98
33) Carbon Tetrachloride	7.743	117	61663	17.65	ug/l		100
34) Benzene	8.010	78	173560	18.21	ug/l		98
35) Methacrylonitrile	7.135	41	23812	16.59	ug/l		96
36) 1,2-Dichloroethane	8.090	62	71570	18.36	ug/l		96
37) Trichloroethene	8.804	130	48150	18.62	ug/l		95
38) Methylcyclohexane	9.048	83	61919	18.35	ug/l		97
39) 1,2-Dichloropropane	9.084	63	44399	18.32	ug/l		95
40) Dibromomethane	9.177	93	30495	18.32	ug/l		85
41) Bromodichloromethane	9.370	83	67837	18.21	ug/l		97
42) Vinyl Acetate	5.865	43	533211	93.72	ug/l		100

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
43) Ethyl Acetate	6.894	43	46118	17.20	ug/l		99
44) Isopropyl Acetate	8.132	43	90419	18.58	ug/l	#	84
45) 1,4-Dioxane	9.177	88	16321	384.91	ug/l		96
46) Methyl methacrylate	9.167	41	41944	18.33	ug/l		93
47) n-amyl Acetate	12.042	43	53573	15.33	ug/l		99
48) t-1,3-Dichloropropene	10.351	75	76212	17.73	ug/l		100
49) cis-1,3-Dichloropropene	9.807	75	80137	18.03	ug/l	#	90
50) 1,1,2-Trichloroethane	10.531	97	43383	18.66	ug/l		99
51) Ethyl methacrylate	10.399	69	63142	17.98	ug/l		95
52) 1,3-Dichloropropane	10.675	76	74629	18.35	ug/l		100
53) Dibromochloromethane	10.871	129	50203	17.67	ug/l		100
54) 1,2-Dibromoethane	10.974	107	43631	17.78	ug/l		99
55) 2-Chloroethyl vinyl ether	9.663	63	114738	92.74	ug/l		99
56) Bromoform	12.100	173	33030	17.57	ug/l	#	96
58) 4-Methyl-2-Pentanone	9.949	43	243575	93.58	ug/l		98
59) 2-Hexanone	10.720	43	159668	88.17	ug/l		98
61) Tetrachloroethene	10.601	164	47618	18.81	ug/l		89
62) Toluene	10.122	91	188767	18.59	ug/l		97
64) Chlorobenzene	11.402	112	119387	18.12	ug/l		99
65) 1,1,1,2-Tetrachloroethane	11.476	131	46079	18.16	ug/l		95
66) Ethyl Benzene	11.482	91	211287	18.13	ug/l		99
67) m/p-Xylenes	11.592	106	162706	36.01	ug/l		94
68) o-Xylene	11.916	106	80774	18.21	ug/l		93
69) Styrene	11.936	104	130610	17.99	ug/l		94
70) Isopropylbenzene	12.219	105	209058	18.05	ug/l		99
71) 1,1,2,2-Tetrachloroethane	12.473	83	57784	18.32	ug/l		99
72) 1,2,3-Trichloropropane	12.524	75	57375m	17.97	ug/l		
73) Bromobenzene	12.495	156	50534	18.12	ug/l		82
74) n-propylbenzene	12.560	91	228458	17.84	ug/l		99
75) 2-Chlorotoluene	12.643	91	148626	18.16	ug/l		94
76) 1,3,5-Trimethylbenzene	12.704	105	188549	18.13	ug/l		96
77) t-1,4-Dichloro-2-butene	12.273	75	18227	16.35	ug/l		89
78) 4-Chlorotoluene	12.743	91	148474	17.81	ug/l		94
79) tert-butylbenzene	12.965	119	155349	17.94	ug/l		94
80) 1,2,4-Trimethylbenzene	13.010	105	181858	17.79	ug/l		98
81) sec-Butylbenzene	13.141	105	192924	17.87	ug/l		98
82) p-Isopropyltoluene	13.257	119	182676	17.79	ug/l		95
83) 1,3-Dichlorobenzene	13.254	146	86976	18.02	ug/l		96
84) 1,4-Dichlorobenzene	13.334	146	84537	18.13	ug/l		96
85) n-Butylbenzene	13.585	91	143378	17.77	ug/l		99
86) Hexachloroethane	13.842	117	28075	17.57	ug/l		73
87) 1,2-Dichlorobenzene	13.624	146	88944	18.61	ug/l		96
88) 1,2-Dibromo-3-Chloropr...	14.238	75	14281	19.03	ug/l	#	69
89) 1,2,4-Trichlorobenzene	14.878	180	45085	17.47	ug/l		97
90) Hexachlorobutadiene	14.977	225	22675	19.35	ug/l		95
91) Naphthalene	15.096	128	132616	17.57	ug/l		99
92) 1,2,3-Trichlorobenzene	15.280	180	48433	18.41	ug/l		95

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

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