Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN041119\
Data File : VN054983.D
Acq On : 11 Apr 2019 18:04
Operator : JC/SP
Sample : K2241-07
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT2-2019

Manual Integrations APPROVED
MMDadoda
4/12/2019 1:41:36 PM

Quant Time: Apr 12 08:21:14 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N041119W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Apr 12 07:55:25 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	7.19	128	75089	30.00	ug/l		0.00
28) 1,4-Difluorobenzene	8.59	114	400788	30.00	ug/l		0.00
57) Chlorobenzene-d5	11.41	117	334565	30.00	ug/l		0.00
System Monitoring Compounds							
27) 1,2-Dichloroethane-d4	8.03	65	172525	30.14	ug/l		0.00
Spiked Amount 30.000	Range 50 - 169		Recovery = 100.47%				
60) 4-Bromofluorobenzene	12.40	95	134700	25.86	ug/l		0.00
Spiked Amount 30.000	Range 56 - 143		Recovery = 86.20%				
63) Toluene-d8	10.09	98	499603	31.41	ug/l		0.00
Spiked Amount 30.000	Range 66 - 137		Recovery = 104.70%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.85	85	11414	2.585	ug/l		98
3) Chloromethane	2.06	50	17254	2.892	ug/l		97
4) Vinyl Chloride	2.19	62	14233	2.759	ug/l		94
5) Bromomethane	2.57	94	9332	3.127	ug/l		96
6) Chloroethane	2.71	64	7942	2.749	ug/l		95
7) Trichlorofluoromethane	3.02	101	17769	2.695	ug/l		98
8) Diethyl Ether	3.41	74	5937	2.805	ug/l		99
9) 1,1,2-Trichlorotrifluoroet	3.75	101	10236	2.840	ug/l		65
10) 1,1-Dichloroethene	3.73	96	8903	2.672	ug/l		95
11) Methyl Iodide	3.94	142	11151	2.212	ug/l		96
12) Methyl Acetate	4.34	43	12322m	3.007	ug/l		
13) Acrolein	3.61	56	5730	15.954	ug/l		95
14) Acrylonitrile	5.00	53	20878	12.435	ug/l		97
15) Acetone	3.82	58	4530	10.903	ug/l		90
16) Carbon Disulfide	4.04	76	28928	2.588	ug/l		97
17) Allyl chloride	4.32	41	19204	2.341	ug/l		97
18) Methylene Chloride	4.55	84	14404	2.925	ug/l		88
19) trans-1,2-Dichloroethene	5.04	96	11843	2.731	ug/l		94
20) Diisopropyl ether	5.96	45	40806	2.455	ug/l		93
21) 1,1-Dichloroethane	5.85	63	23215	2.615	ug/l		96
22) cis-1,2-Dichloroethene	6.83	96	13525	2.683	ug/l		96
23) tert-Butyl Alcohol	4.82	59	3502m	13.081	ug/l		
24) Methyl tert-Butyl Ether	5.06	73	29574	2.643	ug/l	#	90
25) Chloroform	7.37	83	22438	2.638	ug/l		88
26) Cyclohexane	7.65	56	20347	2.470	ug/l	#	98
29) 1,1-Dichloropropene	7.79	75	15891	2.546	ug/l		97
30) 2-Butanone	6.85	43	25191	12.158	ug/l	#	82
31) 2,2-Dichloropropane	6.83	77	13926m	2.424	ug/l		
32) 1,1,1-Trichloroethane	7.57	97	16525	2.505	ug/l	#	82
33) Carbon Tetrachloride	7.77	117	14313	2.506	ug/l		97
34) Benzene	8.04	78	50070	2.707	ug/l	#	17
35) Methacrylonitrile	7.18	41	4965	2.033	ug/l		97
36) 1,2-Dichloroethane	8.13	62	18017	2.850	ug/l		96
37) Trichloroethene	8.84	130	13663	2.897	ug/l		99
38) Methylcyclohexane	9.08	83	18512	2.557	ug/l		98
39) 1,2-Dichloropropane	9.12	63	12406	2.429	ug/l		90
40) Dibromomethane	9.21	93	8321	2.882	ug/l		96

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Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Bromodichloromethane	9.40	83	15162	2.545	ug/l	#	99
42) Vinyl Acetate	5.90	43	127957	12.216	ug/l		99
43) Ethyl Acetate	6.95	43	10256	2.430	ug/l	#	72
44) Isopropyl Acetate	8.17	43	18799	2.628	ug/l	#	84
45) 1,4-Dioxane	9.20	88	1911	48.222	ug/l		92
46) Methyl methacrylate	9.20	41	8847	2.391	ug/l		82
47) n-amyl Acetate	12.07	43	10183	1.933	ug/l		95
48) t-1,3-Dichloropropene	10.38	75	11815	2.159	ug/l		92
49) cis-1,3-Dichloropropene	9.84	75	16030	2.373	ug/l		96
50) 1,1,2-Trichloroethane	10.56	97	10756	2.743	ug/l		93
51) Ethyl methacrylate	10.43	69	11620	2.486	ug/l		97
52) 1,3-Dichloropropane	10.71	76	17524	2.551	ug/l		97
53) Dibromochloromethane	10.90	129	8921	2.209	ug/l		61
54) 1,2-Dibromoethane	11.01	107	9835	2.672	ug/l		94
55) 2-Chloroethyl vinyl ether	9.69	63	19430	9.943	ug/l		97
56) Bromoform	12.12	173	5277	2.079	ug/l	#	93
58) 4-Methyl-2-Pentanone	9.99	43	52971	13.729	ug/l		99
59) 2-Hexanone	10.75	43	32208	13.141	ug/l		92
61) Tetrachloroethene	10.63	164	11849	2.721	ug/l		94
62) Toluene	10.15	91	49422	2.681	ug/l		97
64) Chlorobenzene	11.43	112	28075	2.523	ug/l		99
65) 1,1,1,2-Tetrachloroethane	11.51	131	10652	2.691	ug/l		98
66) Ethyl Benzene	11.51	91	50088	2.535	ug/l		100
67) m/p-Xylenes	11.62	106	36374	4.952	ug/l		93
68) o-Xylene	11.95	106	17600	2.425	ug/l		97
69) Styrene	11.97	104	24187	2.146	ug/l		94
70) Isopropylbenzene	12.25	105	46135	2.377	ug/l		99
71) 1,1,2,2-Tetrachloroethane	12.50	83	11913	2.684	ug/l		90
72) 1,2,3-Trichloropropane	12.55	75	10426m	2.844	ug/l		
73) Bromobenzene	12.53	156	10523	2.294	ug/l		91
74) n-propylbenzene	12.59	91	48201	2.218	ug/l		99
75) 2-Chlorotoluene	12.67	91	31690	2.418	ug/l		95
76) 1,3,5-Trimethylbenzene	12.73	105	37437	2.386	ug/l		95
77) t-1,4-Dichloro-2-butene	12.30	75	1799	1.947	ug/l		92
78) 4-Chlorotoluene	12.77	91	24949	1.998	ug/l		98
79) tert-butylbenzene	12.99	119	32757	2.413	ug/l		98
80) 1,2,4-Trimethylbenzene	13.04	105	33002	2.141	ug/l		99
81) sec-Butylbenzene	13.17	105	40668	2.242	ug/l		97
82) p-Isopropyltoluene	13.29	119	33435	2.184	ug/l		99
83) 1,3-Dichlorobenzene	13.28	146	15253	1.988	ug/l		96
84) 1,4-Dichlorobenzene	13.36	146	12980	1.780	ug/l		92
85) n-Butylbenzene	13.62	91	23086	1.893	ug/l		98
86) Hexachloroethane	13.87	117	5363	2.188	ug/l		97
87) 1,2-Dichlorobenzene	13.65	146	15948	2.122	ug/l		97
88) 1,2-Dibromo-3-Chloropropan	14.26	75	1542	2.614	ug/l	#	77
89) 1,2,4-Trichlorobenzene	14.91	180	5009	1.491	ug/l		98
90) Hexachlorobutadiene	15.00	225	6108	2.493	ug/l		96
91) Naphthalene	15.13	128	10818	1.538	ug/l	#	91
92) 1,2,3-Trichlorobenzene	15.31	180	5652	1.682	ug/l		92

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

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