Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN101119\
Data File : VN058676.D
Acq On : 10 Oct 2019 20:02
Operator : JC/SP
Sample : K5111-07
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : LOD-MDL-WATER-01-QT4-2019

Manual Integrations APPROVED
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10/11/2019 2:47:37 PM

Quant Time: Oct 11 08:50:09 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N101119W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Oct 11 04:26:47 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	7.18	128	70615	30.00	ug/l		0.00
28) 1,4-Difluorobenzene	8.57	114	397119	30.00	ug/l		0.00
57) Chlorobenzene-d5	11.41	117	351949	30.00	ug/l		0.00
System Monitoring Compounds							
27) 1,2-Dichloroethane-d4	8.01	65	184130	30.72	ug/l		0.00
Spiked Amount 30.000	Range 50 - 169		Recovery = 102.40%				
60) 4-Bromofluorobenzene	12.41	95	171897	27.92	ug/l		0.00
Spiked Amount 30.000	Range 56 - 143		Recovery = 93.07%				
63) Toluene-d8	10.08	98	499517	30.06	ug/l		0.00
Spiked Amount 30.000	Range 66 - 137		Recovery = 100.20%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.84	85	9895m	2.586	ug/l		
3) Chloromethane	2.04	50	15477	3.028	ug/l		93
4) Vinyl Chloride	2.17	62	14260	2.700	ug/l		99
5) Bromomethane	2.55	94	10070	3.088	ug/l		88
6) Chloroethane	2.69	64	9267	2.791	ug/l		89
7) Trichlorofluoromethane	3.00	101	18518	2.848	ug/l		99
8) Diethyl Ether	3.39	74	6714	2.708	ug/l		86
9) 1,1,2-Trichlorotrifluoroet	3.73	101	10582	2.813	ug/l		88
10) 1,1-Dichloroethene	3.72	96	10776	2.917	ug/l		83
11) Methyl Iodide	3.93	142	13721	2.667	ug/l		93
12) Methyl Acetate	4.30	43	16779	2.838	ug/l		98
13) Acrolein	3.59	56	10071	15.419	ug/l		98
14) Acrylonitrile	4.97	53	30148	12.943	ug/l	#	86
15) Acetone	3.80	58	8914	12.893	ug/l	#	63
16) Carbon Disulfide	4.03	76	32576	3.023	ug/l		98
17) Allyl chloride	4.31	41	21382m	2.908	ug/l		
18) Methylene Chloride	4.53	84	14051	3.141	ug/l		97
19) trans-1,2-Dichloroethene	5.02	96	12104	3.009	ug/l		87
20) Diisopropyl ether	5.93	45	40191	2.682	ug/l		96
21) 1,1-Dichloroethane	5.83	63	24270	2.925	ug/l		100
22) cis-1,2-Dichloroethene	6.81	96	13904	2.899	ug/l		94
23) tert-Butyl Alcohol	4.76	59	12918	13.559	ug/l	#	100
24) Methyl tert-Butyl Ether	5.02	73	37800	2.742	ug/l		95
25) Chloroform	7.35	83	24153	2.919	ug/l		94
26) Cyclohexane	7.64	56	20224	2.777	ug/l	#	96
29) 1,1-Dichloropropene	7.78	75	16680	2.668	ug/l		87
30) 2-Butanone	6.82	43	44004	12.457	ug/l		97
31) 2,2-Dichloropropane	6.80	77	19792	2.686	ug/l		96
32) 1,1,1-Trichloroethane	7.55	97	20427	2.825	ug/l		98
33) Carbon Tetrachloride	7.76	117	17274	2.760	ug/l		95
34) Benzene	8.03	78	51310	2.788	ug/l	#	29
35) Methacrylonitrile	7.15	41	7813	2.504	ug/l		88
36) 1,2-Dichloroethane	8.11	62	21004	2.985	ug/l		96
37) Trichloroethene	8.83	130	12751	2.820	ug/l		94
38) Methylcyclohexane	9.07	83	19200	2.649	ug/l		99
39) 1,2-Dichloropropane	9.11	63	13686	2.721	ug/l		98
40) Dibromomethane	9.20	93	9014	2.839	ug/l		98

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Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Bromodichloromethane	9.39	83	16778	2.587	ug/l		95
42) Vinyl Acetate	5.87	43	160688	12.988	ug/l	#	87
43) Ethyl Acetate	6.91	43	20835m	3.005	ug/l		
44) Isopropyl Acetate	8.15	43	29092	2.590	ug/l	#	58
45) 1,4-Dioxane	9.19	88	4723	54.766	ug/l	#	88
46) Methyl methacrylate	9.19	41	12461	2.417	ug/l		96
47) n-amyl Acetate	12.07	43	21208	2.130	ug/l	#	90
48) t-1,3-Dichloropropene	10.38	75	19702m	2.619	ug/l		
49) cis-1,3-Dichloropropene	9.83	75	20233	2.561	ug/l		97
50) 1,1,2-Trichloroethane	10.56	97	12694	2.801	ug/l		98
51) Ethyl methacrylate	10.43	69	16245	2.241	ug/l		97
52) 1,3-Dichloropropane	10.71	76	21087	2.612	ug/l		94
53) Dibromochloromethane	10.90	129	11721	2.410	ug/l		98
54) 1,2-Dibromoethane	11.00	107	12199	2.597	ug/l		96
55) 2-Chloroethyl vinyl ether	9.69	63	44053	12.219	ug/l		98
56) Bromoform	12.13	173	7918	2.337	ug/l	#	95
58) 4-Methyl-2-Pentanone	9.98	43	84344	13.137	ug/l		99
59) 2-Hexanone	10.75	43	63807	12.677	ug/l		97
61) Tetrachloroethene	10.63	164	11137	2.928	ug/l		97
62) Toluene	10.15	91	53487	2.825	ug/l		100
64) Chlorobenzene	11.43	112	32285	2.789	ug/l		96
65) 1,1,1,2-Tetrachloroethane	11.51	131	11688	2.693	ug/l		97
66) Ethyl Benzene	11.51	91	55496	2.647	ug/l		100
67) m/p-Xylenes	11.62	106	39184	5.003	ug/l		94
68) o-Xylene	11.95	106	20066	2.643	ug/l		97
69) Styrene	11.97	104	29053	2.316	ug/l		97
70) Isopropylbenzene	12.25	105	53221	2.596	ug/l		98
71) 1,1,2,2-Tetrachloroethane	12.51	83	17787	2.578	ug/l		93
72) 1,2,3-Trichloropropane	12.56	75	17439m	2.789	ug/l		
73) Bromobenzene	12.53	156	13416	2.695	ug/l		95
74) n-propylbenzene	12.59	91	61266	2.553	ug/l		98
75) 2-Chlorotoluene	12.68	91	38323	2.655	ug/l		98
76) 1,3,5-Trimethylbenzene	12.74	105	43707	2.489	ug/l		99
77) t-1,4-Dichloro-2-butene	12.31	75	4915	2.063	ug/l		75
78) 4-Chlorotoluene	12.78	91	36905	2.480	ug/l		99
79) tert-butylbenzene	13.00	119	37477	2.499	ug/l		98
80) 1,2,4-Trimethylbenzene	13.05	105	42422	2.432	ug/l		98
81) sec-Butylbenzene	13.18	105	49641	2.459	ug/l		99
82) p-Isopropyltoluene	13.29	119	42218	2.329	ug/l		99
83) 1,3-Dichlorobenzene	13.29	146	22655	2.515	ug/l		98
84) 1,4-Dichlorobenzene	13.37	146	21761	2.418	ug/l		97
85) n-Butylbenzene	13.62	91	36793	2.217	ug/l		99
86) Hexachloroethane	13.88	117	8390	2.543	ug/l		98
87) 1,2-Dichlorobenzene	13.66	146	23132	2.601	ug/l		99
88) 1,2-Dibromo-3-Chloropropan	14.28	75	4612	3.003	ug/l		87
89) 1,2,4-Trichlorobenzene	14.92	180	12332	2.196	ug/l		98
90) Hexachlorobutadiene	15.02	225	7606	2.623	ug/l		95
91) Naphthalene	15.13	128	35768	2.157	ug/l		100
92) 1,2,3-Trichlorobenzene	15.30	180	12898	2.359	ug/l		97

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

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