Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN041219\
Data File : VN054993.D
Acq On : 12 Apr 2019 12:09
Operator : JC/SP
Sample : K2241-09
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MDL-MDL-WATER-03-QT2-2019

Manual Integrations APPROVED
MMDadoda
4/17/2019 9:35:41 AM

Quant Time: Apr 12 23:20:23 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	7.20	128	69216	30.00	ug/l		0.00
28) 1,4-Difluorobenzene	8.59	114	372739	30.00	ug/l		0.00
57) Chlorobenzene-d5	11.41	117	308540	30.00	ug/l		0.00
System Monitoring Compounds							
27) 1,2-Dichloroethane-d4	8.03	65	160863	30.49	ug/l		0.00
Spiked Amount 30.000	Range 50 - 169		Recovery = 101.63%				
60) 4-Bromofluorobenzene	12.40	95	128011	26.65	ug/l		0.00
Spiked Amount 30.000	Range 56 - 143		Recovery = 88.83%				
63) Toluene-d8	10.09	98	458740	31.27	ug/l		0.00
Spiked Amount 30.000	Range 66 - 137		Recovery = 104.23%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.85	85	11015	2.706	ug/l		94
3) Chloromethane	2.06	50	15968	2.904	ug/l		95
4) Vinyl Chloride	2.19	62	12917	2.716	ug/l		99
5) Bromomethane	2.56	94	8600	3.126	ug/l		97
6) Chloroethane	2.71	64	6863	2.577	ug/l		92
7) Trichlorofluoromethane	3.02	101	16666	2.743	ug/l		90
8) Diethyl Ether	3.41	74	6216	3.186	ug/l		94
9) 1,1,2-Trichlorotrifluoroet	3.75	101	9013	2.713	ug/l		87
10) 1,1-Dichloroethene	3.73	96	8327	2.711	ug/l		88
11) Methyl Iodide	3.94	142	11589	2.493	ug/l		97
12) Methyl Acetate	4.33	43	12178m	3.224	ug/l		
13) Acrolein	3.61	56	5037	15.214	ug/l		87
14) Acrylonitrile	5.00	53	20411	13.188	ug/l	#	86
15) Acetone	3.82	58	5059	13.210	ug/l		83
16) Carbon Disulfide	4.04	76	26320	2.555	ug/l		98
17) Allyl chloride	4.31	41	19636	2.596	ug/l		95
18) Methylene Chloride	4.55	84	14028	3.090	ug/l		98
19) trans-1,2-Dichloroethene	5.03	96	11054	2.765	ug/l		89
20) Diisopropyl ether	5.95	45	39226	2.560	ug/l		92
21) 1,1-Dichloroethane	5.84	63	21951	2.682	ug/l		98
22) cis-1,2-Dichloroethene	6.83	96	12693	2.731	ug/l	#	90
23) tert-Butyl Alcohol	4.82	59	3882m	15.731	ug/l		
24) Methyl tert-Butyl Ether	5.05	73	28050	2.720	ug/l	#	90
25) Chloroform	7.37	83	20794	2.653	ug/l		94
26) Cyclohexane	7.65	56	19474	2.565	ug/l	#	98
29) 1,1-Dichloropropene	7.79	75	14289	2.462	ug/l		94
30) 2-Butanone	6.85	43	25297	13.128	ug/l	#	94
31) 2,2-Dichloropropane	6.82	77	13784m	2.580	ug/l		
32) 1,1,1-Trichloroethane	7.57	97	16726	2.726	ug/l		96
33) Carbon Tetrachloride	7.77	117	13227	2.490	ug/l		96
34) Benzene	8.04	78	44205	2.570	ug/l	#	9
35) Methacrylonitrile	7.19	41	6581	2.898	ug/l		91
36) 1,2-Dichloroethane	8.13	62	17273	2.938	ug/l	#	83
37) Trichloroethene	8.83	130	11876	2.708	ug/l		100
38) Methylcyclohexane	9.08	83	16919	2.513	ug/l		97
39) 1,2-Dichloropropane	9.12	63	13621	2.868	ug/l		94
40) Dibromomethane	9.21	93	7340	2.734	ug/l		96

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41) Bromodichloromethane	9.40	83	14252	2.572	ug/l		96
42) Vinyl Acetate	5.90	43	120995	12.420	ug/l		100
43) Ethyl Acetate	6.94	43	11688	2.977	ug/l	#	70
44) Isopropyl Acetate	8.17	43	17556	2.639	ug/l		94
45) 1,4-Dioxane	9.21	88	2326m	63.110	ug/l		
46) Methyl methacrylate	9.20	41	7645	2.221	ug/l		93
47) n-amyl Acetate	12.07	43	9548	1.949	ug/l		97
48) t-1,3-Dichloropropene	10.38	75	10984	2.159	ug/l	#	87
49) cis-1,3-Dichloropropene	9.84	75	13852	2.205	ug/l		96
50) 1,1,2-Trichloroethane	10.56	97	10460	2.868	ug/l		89
51) Ethyl methacrylate	10.43	69	10947	2.518	ug/l		95
52) 1,3-Dichloropropane	10.71	76	17739	2.776	ug/l		99
53) Dibromochloromethane	10.90	129	8909	2.372	ug/l		97
54) 1,2-Dibromoethane	11.00	107	8496	2.482	ug/l		97
55) 2-Chloroethyl vinyl ether	9.70	63	20288	11.164	ug/l		99
56) Bromoform	12.12	173	4797	2.032	ug/l	#	96
58) 4-Methyl-2-Pentanone	9.99	43	50534	14.202	ug/l		98
59) 2-Hexanone	10.75	43	31026	13.726	ug/l		99
61) Tetrachloroethene	10.63	164	11282	2.810	ug/l		97
62) Toluene	10.16	91	48668	2.863	ug/l		98
64) Chlorobenzene	11.43	112	28611	2.788	ug/l		99
65) 1,1,1,2-Tetrachloroethane	11.51	131	9624	2.637	ug/l		91
66) Ethyl Benzene	11.51	91	47937	2.630	ug/l		99
67) m/p-Xylenes	11.62	106	33890	5.003	ug/l		93
68) o-Xylene	11.95	106	17205	2.570	ug/l		100
69) Styrene	11.96	104	23945	2.304	ug/l		98
70) Isopropylbenzene	12.25	105	43994	2.458	ug/l		97
71) 1,1,2,2-Tetrachloroethane	12.50	83	12086	2.952	ug/l		99
72) 1,2,3-Trichloropropane	12.55	75	10368m	3.067	ug/l		
73) Bromobenzene	12.53	156	10920	2.581	ug/l		96
74) n-propylbenzene	12.59	91	44272	2.210	ug/l		99
75) 2-Chlorotoluene	12.67	91	29808	2.467	ug/l		99
76) 1,3,5-Trimethylbenzene	12.73	105	34649	2.395	ug/l		98
77) t-1,4-Dichloro-2-butene	12.31	75	1843	2.163	ug/l		95
78) 4-Chlorotoluene	12.77	91	24764	2.151	ug/l		97
79) tert-butylbenzene	12.99	119	31466	2.513	ug/l		99
80) 1,2,4-Trimethylbenzene	13.04	105	31155	2.192	ug/l		98
81) sec-Butylbenzene	13.17	105	38006	2.272	ug/l		99
82) p-Isopropyltoluene	13.29	119	30412	2.154	ug/l		99
83) 1,3-Dichlorobenzene	13.28	146	15130	2.138	ug/l		96
84) 1,4-Dichlorobenzene	13.36	146	12798	1.903	ug/l		96
85) n-Butylbenzene	13.61	91	20045	1.782	ug/l		98
86) Hexachloroethane	13.87	117	4977	2.202	ug/l		100
87) 1,2-Dichlorobenzene	13.65	146	15237	2.198	ug/l		98
88) 1,2-Dibromo-3-Chloropropan	14.27	75	1123m	2.064	ug/l		
89) 1,2,4-Trichlorobenzene	14.91	180	4408	1.423	ug/l		99
90) Hexachlorobutadiene	15.01	225	5746	2.543	ug/l		96
91) Naphthalene	15.13	128	10326	1.591	ug/l		98
92) 1,2,3-Trichlorobenzene	15.31	180	5642	1.821	ug/l		92

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

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