Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM062220\
Data File : BM026486.D
Acq On : 22 Jun 2020 12:20
Operator : JU/CG
Sample : L1161-03
Misc : MDL-MDL-S-8PPM
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : MDL-SOIL-03-QT1-2020

Quant Time: Jun 22 17:44:27 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM060520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 19 10:20:20 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.39	152	97521	20.00	ng		0.00
21) Naphthalene-d8	10.14	136	414033	20.00	ng		0.00
39) Acenaphthene-d10	14.04	164	277000	20.00	ng		0.00
64) Phenanthrene-d10	16.80	188	617881	20.00	ng		0.00
76) Chrysene-d12	21.01	240	640432	20.00	ng		0.00
86) Perylene-d12	23.10	264	614818	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.02	112	895181	162.29	ng		0.00
7) Phenol-d6	6.59	99	1329859	166.50	ng		0.00
23) Nitrobenzene-d5	8.53	82	987257	117.08	ng		0.00
42) 2,4,6-Tribromophenol	15.55	330	655678	195.41	ng		0.00
45) 2-Fluorobiphenyl	12.65	172	2124776	116.44	ng		0.00
79) Terphenyl-d14	19.46	244	3729995	113.06	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.00	88	19726	7.932	ng	#	88
3) Pyridine	3.41	79	43942	6.016	ng		96
4) n-Nitrosodimethylamine	3.32	42	29516	8.162	ng		84
6) Aniline	6.73	93	76296	7.283	ng		98
8) 2-Chlorophenol	6.96	128	48484	7.621	ng		99
9) Benzaldehyde	6.55	77	46086	9.049	ng		97
10) Phenol	6.62	94	62483	7.346	ng		87
11) bis(2-Chloroethyl)ether	6.83	93	48377	7.061	ng		98
12) 1,3-Dichlorobenzene	7.27	146	51185	7.267	ng		96
13) 1,4-Dichlorobenzene	7.42	146	52236	7.281	ng		97
14) 1,2-Dichlorobenzene	7.73	146	51774	7.387	ng		99
15) Benzyl Alcohol	7.64	79	46494	6.855	ng		95
16) 2,2'-oxybis(1-Chloropropan	7.92	45	98554	7.702	ng		98
17) 2-Methylphenol	7.85	107	39613	6.372	ng		96
18) Hexachloroethane	8.44	117	19992	7.358	ng		99
19) n-Nitroso-di-n-propylamine	8.19	70	48173	7.740	ng		95
20) 3+4-Methylphenols	8.17	107	52215	6.162	ng		100
22) Acetophenone	8.20	105	83360	7.830	ng	#	92
24) Nitrobenzene	8.57	77	73072	8.278	ng		98
25) Isophorone	9.10	82	119849	7.565	ng		99
26) 2-Nitrophenol	9.28	139	23422	6.704	ng	#	86
27) 2,4-Dimethylphenol	9.36	122	33249	6.029	ng		98
28) bis(2-Chloroethoxy)methane	9.59	93	70829	7.881	ng		99
29) 2,4-Dichlorophenol	9.82	162	40720	6.729	ng		97
30) 1,2,4-Trichlorobenzene	10.02	180	51920	7.825	ng		99
31) Naphthalene	10.19	128	162107	7.770	ng		99
32) Benzoic acid	9.46	122	10372m	2.531	ng		
33) 4-Chloroaniline	10.32	127	62753	6.896	ng		99
34) Hexachlorobutadiene	10.48	225	31716	7.571	ng		94
35) Caprolactam	11.10	113	15132	7.118	ng	#	86
36) 4-Chloro-3-methylphenol	11.46	107	53133	7.206	ng		99
37) 2-Methylnaphthalene	11.82	142	116718	7.850	ng		98
38) 1-Methylnaphthalene	12.04	142	114855	8.155	ng		95
40) 1,2,4,5-Tetrachlorobenzene	12.20	216	63295	8.027	ng		99

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Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Hexachlorocyclopentadiene	12.18	237	14945	3.216	ng		95
43) 2,4,6-Trichlorophenol	12.46	196	35486	6.649	ng		96
44) 2,4,5-Trichlorophenol	12.54	196	39010	6.297	ng		95
46) 1,1'-Biphenyl	12.86	154	160110	8.245	ng		99
47) 2-Chloronaphthalene	12.90	162	118404	7.506	ng		98
48) 2-Nitroaniline	13.12	65	41122	6.578	ng		91
49) Acenaphthylene	13.76	152	190321	7.544	ng		98
50) Dimethylphthalate	13.52	163	155091	7.655	ng		99
51) 2,6-Dinitrotoluene	13.63	165	31813	7.156	ng		93
52) Acenaphthene	14.10	154	113751	7.510	ng		99
53) 3-Nitroaniline	13.97	138	27527	5.560	ng		95
54) 2,4-Dinitrophenol	14.19	184	9613	3.558	ng		86
55) Dibenzofuran	14.45	168	187897	7.699	ng		99
56) 4-Nitrophenol	14.31	139	17396	4.431	ng	#	82
57) 2,4-Dinitrotoluene	14.43	165	42329	6.848	ng	#	81
58) Fluorene	15.10	166	150600	7.598	ng		100
59) 2,3,4,6-Tetrachlorophenol	14.69	232	39272m	7.411	ng		
60) Diethylphthalate	14.90	149	158194	7.666	ng		100
61) 4-Chlorophenyl-phenylether	15.10	204	78846	7.499	ng		98
62) 4-Nitroaniline	15.14	138	27781m	5.262	ng		
63) Azobenzene	15.40	77	175224	7.761	ng		95
65) 4,6-Dinitro-2-methylphenol	15.21	198	19197	5.109	ng		91
66) n-Nitrosodiphenylamine	15.33	169	133296	7.447	ng		100
67) 4-Bromophenyl-phenylether	16.00	248	47189	6.938	ng		97
68) Hexachlorobenzene	16.11	284	54778	7.718	ng		95
69) Atrazine	16.29	200	52438	9.806	ng		100
70) Pentachlorophenol	16.46	266	22975	5.375	ng		99
71) Phenanthrene	16.84	178	247986	7.707	ng		98
72) Anthracene	16.93	178	240454	7.488	ng		99
73) Carbazole	17.21	167	211394	6.942	ng		99
74) Di-n-butylphthalate	17.79	149	259293	7.220	ng		98
75) Fluoranthene	18.87	202	294400	7.981	ng		97
77) Benzidine	19.07	184	88694	6.667	ng		97
78) Pyrene	19.23	202	305989	7.231	ng		99
80) Butylbenzylphthalate	20.17	149	115012	6.721	ng		100
81) Benzo(a)anthracene	20.99	228	308353	8.021	ng		99
82) 3,3'-Dichlorobenzidine	20.94	252	102047	8.580	ng		99
83) Chrysene	21.04	228	298834	8.157	ng		98
84) Bis(2-ethylhexyl)phthalate	20.96	149	181887	7.455	ng		99
85) Di-n-octyl phthalate	21.80	149	290666	7.722	ng		96
87) Indeno(1,2,3-cd)pyrene	25.13	276	262470	7.380	ng		99
88) Benzo(b)fluoranthene	22.49	252	271027	7.328	ng		99
89) Benzo(k)fluoranthene	22.53	252	289762	8.064	ng		100
90) Benzo(a)pyrene	23.01	252	238709	7.267	ng		99
91) Dibenzo(a,h)anthracene	25.14	278	221668	7.466	ng		96
92) Benzo(g,h,i)perylene	25.74	276	213490	7.556	ng		98

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

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