Quantitation Report (QT Reviewed)

Data Path : U:\HPCHEM1\BNA G\DATA\BG020518\
Data File : BG032544.D
Acq On : 5 Feb 2018 21:33
Operator : SJ/JU
Sample : J1161-03
Misc : MDL 8PPM
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : MDL-SOIL-03-QT1-2018

Quant Time: Feb 06 03:22:59 2018
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG012918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jan 29 15:32:55 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.70	152	22251	20.00	ng		-0.02
21) Naphthalene-d8	11.59	136	91054	20.00	ng		-0.01
38) Acenaphthene-d10	15.34	164	62241	20.00	ng		-0.01
63) Phenanthrene-d10	18.08	188	164808	20.00	ng		-0.01
75) Chrysene-d12	22.40	240	229805	20.00	ng		-0.02
86) Perylene-d12	26.07	264	258016	20.00	ng		-0.02
System Monitoring Compounds							
5) 2-Fluorophenol	6.15	112	115998	104.71	ng		0.00
7) Phenol-d6	7.83	99	131487	88.95	ng		0.00
23) Nitrobenzene-d5	9.90	82	96227	66.01	ng		-0.02
41) 2,4,6-Tribromophenol	16.82	330	142500	120.28	ng		-0.02
44) 2-Fluorobiphenyl	13.97	172	374748	71.56	ng		-0.02
78) Terphenyl-d14	20.61	244	803661	74.91	ng		-0.01
Target Compounds							Qvalue
2) 1,4-Dioxane	3.80	88	1698	4.556	ng		83
3) Pyridine	4.26	79	4059	4.033	ng	#	78
4) n-Nitrosodimethylamine	4.17	42	1871	3.571	ng	#	36
8) 2-Chlorophenol	8.26	128	6999	5.345	ng		94
9) Benzaldehyde	7.82	77	3857	5.052	ng		95
10) Phenol	7.85	94	6795	4.840	ng	#	68
11) bis(2-Chloroethyl)ether	8.09	93	4627	4.326	ng	#	75
12) 1,3-Dichlorobenzene	8.75	146	9257	5.227	ng		95
13) 1,4-Dichlorobenzene	8.75	146	9257	5.215	ng		99
14) 1,2-Dichlorobenzene	9.07	146	8693	4.999	ng		91
15) Benzyl Alcohol	8.95	79	4080	3.349	ng		93
16) 2,2'-oxybis(1-Chloropropan	9.22	45	2322	2.291	ng	#	53
17) 2-Methylphenol	9.49	107	5507	4.830	ng		91
18) Hexachloroethane	9.83	117	3323	5.576	ng	#	84
19) n-Nitroso-di-n-propylamine	9.51	70	4268	4.354	ng	#	88
20) 3+4-Methylphenols	9.49	107	5507	3.443	ng		84
22) Acetophenone	9.55	105	9024	4.228	ng	#	95
24) Nitrobenzene	9.96	77	7494	5.316	ng	#	92
25) Isophorone	10.47	82	13507	5.442	ng	#	86
26) 2-Nitrophenol	10.68	139	4263	5.003	ng	#	69
27) 2,4-Dimethylphenol	10.71	122	6442	5.267	ng		97
28) bis(2-Chloroethoxy)methane	10.95	93	6998	5.141	ng	#	93
29) 2,4-Dichlorophenol	11.22	162	8597	5.306	ng		78
30) 1,2,4-Trichlorobenzene	11.44	180	10312	4.775	ng		93
31) Naphthalene	11.64	128	24532	5.516	ng		95
32) Benzoic acid	10.84	122	260	7.525	ng	#	45
34) Hexachlorobutadiene	11.91	225	8805	5.241	ng		88
35) Caprolactam	12.45	113	2279	4.900	ng	#	30
36) 4-Chloro-3-methylphenol	12.82	107	7303	4.752	ng	#	92
37) 2-Methylnaphthalene	13.20	142	19209	5.141	ng		92
39) 1,2,4,5-Tetrachlorobenzene	13.56	216	16006	5.497	ng	#	92
40) Hexachlorocyclopentadiene	13.53	237	7609	4.182	ng	#	68
42) 2,4,6-Trichlorophenol	13.86	196	9869	6.231	ng		96
43) 2,4,5-Trichlorophenol	13.86	196	9869	5.345	ng	#	93

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Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
45) 1,1'-Biphenyl	14.18	154	27573	5.244	ng		95
46) 2-Chloronaphthalene	14.23	162	22268	5.403	ng		97
47) 2-Nitroaniline	14.44	65	4412	4.841	ng		96
48) Acenaphthylene	15.07	152	31151	5.000	ng		99
49) Dimethylphthalate	14.77	163	28906	5.037	ng	#	95
50) 2,6-Dinitrotoluene	14.90	165	5421	4.501	ng	#	77
51) Acenaphthene	15.40	154	19800	4.582	ng		94
52) 3-Nitroaniline	15.25	138	3321	3.157	ng	#	61
53) 2,4-Dinitrophenol	15.44	184	64	4.185	ng	#	57
54) Dibenzofuran	15.74	168	35811	5.599	ng		98
55) 4-Nitrophenol	15.55	139	2893	3.673	ng	#	73
56) 2,4-Dinitrotoluene	15.68	165	8115	4.732	ng	#	67
57) Fluorene	16.38	166	27913	5.252	ng		97
58) 2,3,4,6-Tetrachlorophenol	15.95	232	10627	5.836	ng	#	85
59) Diethylphthalate	16.11	149	30615	5.477	ng		96
60) 4-Chlorophenyl-phenylether	16.36	204	18128	5.409	ng		87
61) 4-Nitroaniline	16.40	138	5248	4.654	ng	#	76
62) Azobenzene	16.65	77	17751	5.314	ng		86
65) n-Nitrosodiphenylamine	16.57	169	25939	5.274	ng		95
66) 4-Bromophenyl-phenylether	17.25	248	13589	5.566	ng		96
67) Hexachlorobenzene	17.38	284	14929	5.525	ng	#	83
68) Atrazine	17.49	200	11808	5.593	ng		94
69) Pentachlorophenol	17.72	266	4467	2.639	ng		89
70) Phenanthrene	18.12	178	51345	5.587	ng		97
71) Anthracene	18.21	178	53625	5.860	ng		95
72) Carbazole	18.48	167	44309	5.480	ng		98
73) Di-n-butylphthalate	18.97	149	52215	5.833	ng		96
74) Fluoranthene	20.08	202	72198	5.990	ng		93
77) Pyrene	20.44	202	70104	4.974	ng		99
79) Butylbenzylphthalate	21.30	149	23361	5.255	ng	#	79
80) Benzo(a)anthracene	22.38	228	77654	5.451	ng		94
81) 3,3'-Dichlorobenzidine	22.28	252	15017	2.721	ng	#	95
82) Chrysene	22.45	228	74503	5.415	ng		97
83) Bis(2-ethylhexyl)phthalate	22.22	149	33125	5.255	ng	#	94
84) Di-n-octyl phthalate	23.59	149	56127	5.614	ng	#	90
85) Indeno(1,2,3-cd)pyrene	30.31	276	41052	2.359	ng	#	83
87) Benzo(b)fluoranthene	24.90	252	78216	5.017	ng	#	96
88) Benzo(k)fluoranthene	24.97	252	79959	5.177	ng	#	95
89) Benzo(a)pyrene	25.90	252	78049	5.251	ng	#	91
90) Dibenzo(a,h)anthracene	30.39	278	77998	5.130	ng	#	94
91) Benzo(g,h,i)perylene	31.64	276	80587	5.340	ng	#	89

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

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