Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG041316\
Data File : BG021642.D
Acq On : 14 Apr 2016 6:16
Operator : UM/SJ
Sample : H1824-04
Misc : LOQ-SOIL-20PPB
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : LOQ-SOIL2016-02

Quant Time: Apr 14 11:42:40 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG041316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 13 15:48:13 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.22	152	27373	20.00	ng		0.00
21) Naphthalene-d8	11.03	136	120538	20.00	ng		0.00
38) Acenaphthene-d10	14.82	164	77642	20.00	ng		0.00
63) Phenanthrene-d10	17.56	188	187438	20.00	ng		0.00
75) Chrysene-d12	21.83	240	228609	20.00	ng		0.00
86) Perylene-d12	25.15	264	217735	20.00	ng		-0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.76	112	251503	153.00	ng		0.00
7) Phenol-d6	7.36	99	361673	147.30	ng		0.00
23) Nitrobenzene-d5	9.38	82	213142	90.89	ng		0.00
41) 2,4,6-Tribromophenol	16.30	330	125080	149.48	ng		0.00
44) 2-Fluorobiphenyl	13.46	172	492839	93.00	ng		0.00
78) Terphenyl-d14	20.14	244	832362	90.85	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.63	88	11434	15.63	ng		91
3) Pyridine	4.04	79	32908	14.99	ng		94
4) n-Nitrosodimethylamine	3.95	42	17850	16.40	ng	#	92
6) Aniline	7.54	93	40100	12.35	ng		95
8) 2-Chlorophenol	7.77	128	35343	17.94	ng		94
9) Benzaldehyde	7.35	77	32694	23.03	ng		94
10) Phenol	7.39	94	49740	18.83	ng		97
11) bis(2-Chloroethyl)ether	7.63	93	34891	16.51	ng		98
12) 1,3-Dichlorobenzene	8.11	146	36051	16.38	ng		96
13) 1,4-Dichlorobenzene	8.25	146	36460	16.27	ng		96
14) 1,2-Dichlorobenzene	8.57	146	35766	16.64	ng		94
15) Benzyl Alcohol	8.45	79	34084	18.16	ng		99
16) 2,2'-oxybis(1-Chloropropan	8.75	45	69788	15.41	ng		95
17) 2-Methylphenol	8.64	107	33532	18.36	ng		93
18) Hexachloroethane	9.31	117	13411	16.45	ng	#	75
19) n-Nitroso-di-n-propylamine	9.02	70	30240	15.85	ng	#	96
20) 3+4-Methylphenols	8.97	107	46649	18.67	ng		97
22) Acetophenone	9.04	105	54961	16.37	ng	#	98
24) Nitrobenzene	9.42	77	44481	17.71	ng		98
25) Isophorone	9.95	82	82179	16.01	ng		99
26) 2-Nitrophenol	10.14	139	14377	15.00	ng		93
27) 2,4-Dimethylphenol	10.18	122	38487	17.67	ng		99
28) bis(2-Chloroethoxy)methane	10.42	93	49278	18.07	ng		93
29) 2,4-Dichlorophenol	10.67	162	35444	19.09	ng		97
30) 1,2,4-Trichlorobenzene	10.89	180	35806	17.94	ng		90
31) Naphthalene	11.08	128	113299	17.56	ng	#	97
32) Benzoic acid	10.25	122	14090	16.49	ng		97
33) 4-Chloroaniline	11.18	127	34087	12.21	ng		98
34) Hexachlorobutadiene	11.36	225	21769	16.91	ng		96
35) Caprolactam	11.94	113	14216	16.73	ng		95
36) 4-Chloro-3-methylphenol	12.27	107	41487	17.77	ng		96
37) 2-Methylnaphthalene	12.67	142	81032	18.30	ng		96
39) 1,2,4,5-Tetrachlorobenzene	13.03	216	40426	16.66	ng		98
40) Hexachlorocyclopentadiene	13.01	237	24792	18.39	ng		97

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Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
42) 2,4,6-Trichlorophenol	13.26	196	25731	16.63	ng		97
43) 2,4,5-Trichlorophenol	13.33	196	30797	18.45	ng		99
45) 1,1'-Biphenyl	13.66	154	109292	16.71	ng		98
46) 2-Chloronaphthalene	13.71	162	83722	17.31	ng		98
47) 2-Nitroaniline	13.90	65	28665	17.29	ng		96
48) Acenaphthylene	14.55	152	139465	17.44	ng		99
49) Dimethylphthalate	14.27	163	112913	16.82	ng		98
50) 2,6-Dinitrotoluene	14.38	165	23124	18.06	ng		94
51) Acenaphthene	14.89	154	87582	17.13	ng		100
52) 3-Nitroaniline	14.71	138	20527	14.46	ng		97
53) 2,4-Dinitrophenol	14.91	184	6497	19.42	ng	#	74
54) Dibenzofuran	15.22	168	135258	19.38	ng		96
55) 4-Nitrophenol	14.99	139	21243	17.48	ng		96
56) 2,4-Dinitrotoluene	15.17	165	32136	18.58	ng		99
57) Fluorene	15.86	166	111981	17.96	ng		98
58) 2,3,4,6-Tetrachlorophenol	15.44	232	26957	19.46	ng		97
59) Diethylphthalate	15.62	149	121596	17.35	ng		99
60) 4-Chlorophenyl-phenylether	15.85	204	53253	17.34	ng		98
61) 4-Nitroaniline	15.87	138	28978	18.55	ng		94
62) Azobenzene	16.14	77	115545	19.24	ng		99
64) 4,6-Dinitro-2-methylphenol	15.92	198	10467	17.30	ng		94
65) n-Nitrosodiphenylamine	16.06	169	100095	17.81	ng		96
66) 4-Bromophenyl-phenylether	16.75	248	34768	17.31	ng		99
67) Hexachlorobenzene	16.86	284	35829	16.90	ng		93
68) Atrazine	17.00	200	40021	18.03	ng		95
69) Pentachlorophenol	17.20	266	19583	16.18	ng	#	88
70) Phenanthrene	17.60	178	188196	18.22	ng		99
71) Anthracene	17.69	178	188703	17.99	ng		96
72) Carbazole	17.95	167	182724	18.67	ng		99
73) Di-n-butylphthalate	18.50	149	223102	17.92	ng		100
74) Fluoranthene	19.59	202	228927	18.56	ng		99
76) Benzidine	19.77	184	65616	9.22	ng		99
77) Pyrene	19.95	202	236946	17.98	ng		98
79) Butylbenzylphthalate	20.82	149	102272	16.71	ng		97
80) Benzo(a)anthracene	21.81	228	238922	18.16	ng		100
81) 3,3'-Dichlorobenzidine	21.72	252	42649	4.10	ng		98
82) Chrysene	21.88	228	225331	17.83	ng		99
83) Bis(2-ethylhexyl)phthalate	21.70	149	149884	16.75	ng		98
84) Di-n-octyl phthalate	22.96	149	255076	17.01	ng		100
85) Indeno(1,2,3-cd)pyrene	28.96	276	258275	17.19	ng		99
87) Benzo(b)fluoranthene	24.10	252	233199	18.46	ng		98
88) Benzo(k)fluoranthene	24.16	252	221176	17.90	ng		99
89) Benzo(a)pyrene	24.99	252	219829	17.96	ng		98
90) Dibenzo(a,h)anthracene	29.03	278	217681	17.74	ng		98
91) Benzo(g,h,i)perylene	30.15	276	215825	17.92	ng		98

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

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