Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG090916\
Data File : BG023979.D
Acq On : 9 Sep 2016 18:18
Operator : UM/SJ
Sample : H4715-04MS
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SOIL-CUTTINGSMS

Quant Time: Sep 10 01:02:00 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG083116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Sep 09 16:24:09 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.06	152	62382	20.00	ng		-0.04
21) Naphthalene-d8	10.89	136	296466	20.00	ng		-0.04
38) Acenaphthene-d10	14.74	164	239826	20.00	ng		-0.03
63) Phenanthrene-d10	17.50	188	607195	20.00	ng		-0.03
75) Chrysene-d12	21.81	240	471963	20.00	ng		-0.03
86) Perylene-d12	25.17	264	475069	20.00	ng		-0.04
System Monitoring Compounds							
5) 2-Fluorophenol	5.62	112	465904	131.12	ng		-0.03
7) Phenol-d6	7.24	99	700714	128.11	ng		-0.04
23) Nitrobenzene-d5	9.25	82	612505	92.23	ng		-0.04
41) 2,4,6-Tribromophenol	16.24	330	550195	127.33	ng		-0.03
44) 2-Fluorobiphenyl	13.35	172	1328020	79.39	ng		-0.03
78) Terphenyl-d14	20.11	244	2085422	100.63	ng		-0.03
Target Compounds							Qvalue
2) 1,4-Dioxane	3.47	88	44886	30.63	ng	#	81
3) Pyridine	3.90	79	149236	33.89	ng		97
4) n-Nitrosodimethylamine	3.80	42	103853	44.74	ng	#	87
6) Aniline	7.39	93	223477	30.78	ng		96
8) 2-Chlorophenol	7.63	128	184309	44.77	ng		98
9) Benzaldehyde	7.20	77	29818	7.67	ng		83
10) Phenol	7.26	94	249522	43.36	ng		97
11) bis(2-Chloroethyl)ether	7.48	93	186695	41.24	ng		93
12) 1,3-Dichlorobenzene	7.95	146	164800	34.21	ng		97
13) 1,4-Dichlorobenzene	8.10	146	173659	34.02	ng		90
14) 1,2-Dichlorobenzene	8.42	146	173620	36.24	ng		95
15) Benzyl Alcohol	8.31	79	265852	55.13	ng		95
16) 2,2'-oxybis(1-Chloropropan	8.60	45	245849	40.52	ng		91
17) 2-Methylphenol	8.52	107	190763	49.21	ng		95
18) Hexachloroethane	9.14	117	71886	36.58	ng		94
19) n-Nitroso-di-n-propylamine	8.88	70	221825	45.91	ng		95
20) 3+4-Methylphenols	8.86	107	263940	48.86	ng		96
22) Acetophenone	8.90	105	312760	40.75	ng	#	97
24) Nitrobenzene	9.29	77	320438	44.87	ng		97
25) Isophorone	9.81	82	612843	47.59	ng		98
26) 2-Nitrophenol	10.01	139	125942	46.39	ng	#	93
27) 2,4-Dimethylphenol	10.06	122	225525	48.88	ng		90
28) bis(2-Chloroethoxy)methane	10.29	93	305927	47.05	ng		95
29) 2,4-Dichlorophenol	10.55	162	253539	51.87	ng		99
30) 1,2,4-Trichlorobenzene	10.75	180	220907	41.20	ng		95
31) Naphthalene	10.95	128	632189	41.38	ng		98
32) Benzoic acid	10.25	122	83119	22.18	ng		95
33) 4-Chloroaniline	11.07	127	62783	9.84	ng		95
34) Hexachlorobutadiene	11.22	225	167402	41.57	ng		96
35) Caprolactam	11.88	113	71645m	41.59	ng		
36) 4-Chloro-3-methylphenol	12.20	107	320508	49.07	ng		95
37) 2-Methylnaphthalene	12.55	142	527912	45.43	ng		99
39) 1,2,4,5-Tetrachlorobenzene	12.92	216	302214	37.96	ng		99
40) Hexachlorocyclopentadiene	12.89	237	337562	71.23	ng		99

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Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
42) 2,4,6-Trichlorophenol	13.17	196	242298	45.61	ng		98
43) 2,4,5-Trichlorophenol	13.26	196	246259	45.86	ng		92
45) 1,1'-Biphenyl	13.56	154	694301	35.99	ng		99
46) 2-Chloronaphthalene	13.61	162	596258	42.10	ng		94
47) 2-Nitroaniline	13.83	65	281012	50.38	ng		96
48) Acenaphthylene	14.46	152	972851	41.21	ng		99
49) Dimethylphthalate	14.19	163	869569	42.28	ng		100
50) 2,6-Dinitrotoluene	14.32	165	192804	44.41	ng		94
51) Acenaphthene	14.80	154	627863	43.02	ng		98
52) 3-Nitroaniline	14.66	138	100451	24.74	ng		92
53) 2,4-Dinitrophenol	14.87	184	153726	51.01	ng	#	83
54) Dibenzofuran	15.14	168	1028701	45.16	ng		99
55) 4-Nitrophenol	14.99	139	225259	69.72	ng		85
56) 2,4-Dinitrotoluene	15.12	165	285813	44.79	ng		88
57) Fluorene	15.79	166	861586	43.62	ng		99
58) 2,3,4,6-Tetrachlorophenol	15.37	232	264948	48.61	ng		95
59) Diethylphthalate	15.55	149	932131	42.46	ng		98
60) 4-Chlorophenyl-phenylether	15.77	204	469823	44.19	ng		95
61) 4-Nitroaniline	15.84	138	173754	42.33	ng		94
62) Azobenzene	16.07	77	1068466	50.25	ng		96
64) 4,6-Dinitro-2-methylphenol	15.89	198	152008	36.06	ng		84
65) n-Nitrosodiphenylamine	16.00	169	788274	45.71	ng		94
66) 4-Bromophenyl-phenylether	16.68	248	353045	47.79	ng		96
67) Hexachlorobenzene	16.80	284	370115	42.72	ng		96
68) Atrazine	16.95	200	340081	45.83	ng		97
69) Pentachlorophenol	17.15	266	348999	75.84	ng		100
70) Phenanthrene	17.54	178	1426971	45.18	ng		99
71) Anthracene	17.64	178	1466751	45.52	ng		98
72) Carbazole	17.92	167	1233758	42.20	ng		98
73) Di-n-butylphthalate	18.45	149	1562158	44.78	ng		99
74) Fluoranthene	19.56	202	1601006	42.10	ng		97
76) Benzidine	19.74	184	434815	29.75	ng		96
77) Pyrene	19.92	202	1533222	52.82	ng		95
79) Butylbenzylphthalate	20.80	149	550750	49.22	ng		98
80) Benzo(a)anthracene	21.79	228	1275547	48.28	ng		95
81) 3,3'-Dichlorobenzidine	21.70	252	266539	25.24	ng	#	99
82) Chrysene	21.86	228	1193141	47.44	ng		98
83) Bis(2-ethylhexyl)phthalate	21.67	149	686235	44.79	ng		96
84) Di-n-octyl phthalate	22.91	149	1167376	46.46	ng		100
85) Indeno(1,2,3-cd)pyrene	29.01	276	1464098	52.58	ng	#	100
87) Benzo(b)fluoranthene	24.10	252	1291816	47.87	ng		99
88) Benzo(k)fluoranthene	24.17	252	1270354	47.47	ng	#	99
89) Benzo(a)pyrene	25.01	252	1247234	48.67	ng		99
90) Dibenzo(a,h)anthracene	29.06	278	1216640	48.27	ng	#	95
91) Benzo(g,h,i)perylene	30.21	276	1217871	50.25	ng		99

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

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