Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG120417\
Data File : BG031365.D
Acq On : 5 Dec 2017 2:46
Operator : SJ/JU
Sample : IDOC-SOIL-1
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
IDOC-SOIL-1

Manual Integrations APPROVED
Sohil
12/5/2017 3:26:54 PM

Quant Time: Dec 05 06:34:04 2017
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG111017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Nov 10 15:38:25 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.13	152	61129	20.00	ng		-0.03
21) Naphthalene-d8	10.94	136	275029	20.00	ng		-0.03
38) Acenaphthene-d10	14.75	164	194416	20.00	ng		-0.03
63) Phenanthrene-d10	17.49	188	498601	20.00	ng		-0.02
75) Chrysene-d12	21.76	240	544864	20.00	ng		-0.02
86) Perylene-d12	25.06	264	552109	20.00	ng		-0.03
System Monitoring Compounds							
5) 2-Fluorophenol	5.69	112	518754	145.52	ng		-0.02
7) Phenol-d6	7.30	99	698817	145.51	ng		0.00
23) Nitrobenzene-d5	9.29	82	412888	88.96	ng		-0.03
41) 2,4,6-Tribromophenol	16.24	330	362250	115.18	ng		-0.02
44) 2-Fluorobiphenyl	13.37	172	1234341	91.23	ng		-0.03
78) Terphenyl-d14	20.08	244	2177331	88.24	ng		-0.02
Target Compounds							Qvalue
2) 1,4-Dioxane	3.54	88	56952	39.37	ng	#	80
3) Pyridine	3.95	79	45970	10.95	ng		93
4) n-Nitrosodimethylamine	3.85	42	80189	40.29	ng	#	87
6) Aniline	7.45	93	147234	23.29	ng		95
8) 2-Chlorophenol	7.70	128	202888	51.57	ng		88
9) Benzaldehyde	7.26	77	79864	23.76	ng		93
10) Phenol	7.33	94	262618	52.65	ng		91
11) bis(2-Chloroethyl)ether	7.54	93	184397	46.30	ng		90
12) 1,3-Dichlorobenzene	8.01	146	211712	45.87	ng		96
13) 1,4-Dichlorobenzene	8.16	146	212631	45.46	ng		96
14) 1,2-Dichlorobenzene	8.48	146	207734	46.27	ng		95
15) Benzyl Alcohol	8.37	79	168221	43.67	ng		87
16) 2,2'-oxybis(1-Chloropropan	8.65	45	266840	60.66	ng		90
17) 2-Methylphenol	8.58	107	176098	50.70	ng		96
18) Hexachloroethane	9.21	117	73336	45.05	ng		89
19) n-Nitroso-di-n-propylamine	8.93	70	150349	41.17	ng	#	93
20) 3+4-Methylphenols	8.91	107	247157	50.05	ng		93
22) Acetophenone	8.95	105	292900	42.77	ng	#	90
24) Nitrobenzene	9.34	77	222903	47.01	ng		89
25) Isophorone	9.86	82	436161	48.18	ng	#	91
26) 2-Nitrophenol	10.05	139	123357	49.92	ng	#	87
27) 2,4-Dimethylphenol	10.11	122	202941	55.31	ng		90
28) bis(2-Chloroethoxy)methane	10.33	93	269425	47.26	ng		96
29) 2,4-Dichlorophenol	10.60	162	240273	54.54	ng		91
30) 1,2,4-Trichlorobenzene	10.80	180	254246	48.34	ng		97
31) Naphthalene	10.99	128	638863	47.25	ng		98
32) Benzoic acid	10.24	122	26258	13.24	ng	#	83
33) 4-Chloroaniline	11.11	127	118927	20.09	ng		94
34) Hexachlorobutadiene	11.27	225	161386	44.24	ng		94
35) Caprolactam	11.89	113	71025m	39.46	ng		
36) 4-Chloro-3-methylphenol	12.23	107	242427	50.56	ng	#	85
37) 2-Methylnaphthalene	12.59	142	513559	49.20	ng		94
39) 1,2,4,5-Tetrachlorobenzene	12.95	216	313889	40.68	ng		97
40) Hexachlorocyclopentadiene	12.93	237	277352	94.90	ng		90

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Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG111017.M
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Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
42) 2,4,6-Trichlorophenol	13.20	196	216765	49.14	ng		100
43) 2,4,5-Trichlorophenol	13.28	196	236108	48.92	ng	#	93
45) 1,1'-Biphenyl	13.58	154	681811	42.29	ng		98
46) 2-Chloronaphthalene	13.63	162	566700	48.72	ng		96
47) 2-Nitroaniline	13.84	65	158523	45.98	ng	#	80
48) Acenaphthylene	14.48	152	863989	45.38	ng		98
49) Dimethylphthalate	14.20	163	855159	50.87	ng		99
50) 2,6-Dinitrotoluene	14.32	165	176689	51.00	ng	#	73
51) Acenaphthene	14.81	154	541726	45.56	ng		98
52) 3-Nitroaniline	14.66	138	117903	32.05	ng	#	79
53) 2,4-Dinitrophenol	14.88	184	182913	94.79	ng	#	49
54) Dibenzofuran	15.15	168	895066	47.26	ng		99
55) 4-Nitrophenol	14.99	139	249005	95.02	ng	#	79
56) 2,4-Dinitrotoluene	15.12	165	256709	51.25	ng	#	71
57) Fluorene	15.79	166	719424	46.79	ng		97
58) 2,3,4,6-Tetrachlorophenol	15.38	232	237118	51.55	ng	#	88
59) Diethylphthalate	15.55	149	767553	44.95	ng		98
60) 4-Chlorophenyl-phenylether	15.78	204	431318	46.45	ng		92
61) 4-Nitroaniline	15.83	138	182400	46.82	ng		85
62) Azobenzene	16.07	77	607343	46.64	ng		92
64) 4,6-Dinitro-2-methylphenol	15.89	198	145829	44.00	ng	#	74
65) n-Nitrosodiphenylamine	15.99	169	684548	45.31	ng		99
66) 4-Bromophenyl-phenylether	16.67	248	289483	45.84	ng		98
67) Hexachlorobenzene	16.80	284	296075	44.12	ng		95
68) Atrazine	16.94	200	290213	46.55	ng		98
69) Pentachlorophenol	17.15	266	308325	83.13	ng		99
70) Phenanthrene	17.54	178	1226744	47.25	ng		97
71) Anthracene	17.63	178	1266989	48.71	ng		99
72) Carbazole	17.90	167	1152586	47.29	ng		99
73) Di-n-butylphthalate	18.43	149	1333932	44.57	ng		99
74) Fluoranthene	19.54	202	1598929	48.64	ng		96
76) Benzidine	19.71	184	189035	10.80	ng		98
77) Pyrene	19.89	202	1629864	50.41	ng		95
79) Butylbenzylphthalate	20.76	149	629572	48.84	ng		85
80) Benzo(a)anthracene	21.74	228	1608635	47.53	ng		97
81) 3,3'-Dichlorobenzidine	21.65	252	409459	29.97	ng	#	98
82) Chrysene	21.81	228	1521816	48.61	ng		96
83) Bis(2-ethylhexyl)phthalate	21.62	149	882515	47.43	ng		99
84) Di-n-octyl phthalate	22.84	149	1484233	49.00	ng	#	93
85) Indeno(1,2,3-cd)pyrene	28.85	276	1809293	47.54	ng	#	79
87) Benzo(b)fluoranthene	24.01	252	1593661	47.72	ng		98
88) Benzo(k)fluoranthene	24.08	252	1598081	48.28	ng		98
89) Benzo(a)pyrene	24.91	252	1575142	49.65	ng		99
90) Dibenzo(a,h)anthracene	28.90	278	1514245	46.70	ng		98
91) Benzo(g,h,i)perylene	30.03	276	1499624	47.65	ng		97

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

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