Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG120417\
Data File : BG031368.D
Acq On : 5 Dec 2017 4:38
Operator : SJ/JU
Sample : IDOC-SOIL-4
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
IDOC-SOIL-4

Manual Integrations APPROVED
Sohil
12/5/2017 3:27:28 PM

Quant Time: Dec 05 06:43:33 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	60224	20.00	ng		-0.02
21) Naphthalene-d8	10.94	136	270354	20.00	ng		-0.02
38) Acenaphthene-d10	14.75	164	186892	20.00	ng		-0.02
63) Phenanthrene-d10	17.49	188	480678	20.00	ng		-0.02
75) Chrysene-d12	21.77	240	528625	20.00	ng		-0.02
86) Perylene-d12	25.07	264	525497	20.00	ng		-0.02
System Monitoring Compounds							
5) 2-Fluorophenol	5.69	112	445788	126.93	ng		-0.02
7) Phenol-d6	7.30	99	598235	126.44	ng		0.00
23) Nitrobenzene-d5	9.30	82	347898	76.25	ng		-0.02
41) 2,4,6-Tribromophenol	16.24	330	300870	99.52	ng		-0.02
44) 2-Fluorobiphenyl	13.37	172	1034690	79.55	ng		-0.02
78) Terphenyl-d14	20.08	244	1886245	78.79	ng		-0.01
Target Compounds							Qvalue
2) 1,4-Dioxane	3.53	88	47451	33.29	ng	#	83
3) Pyridine	3.94	79	73711	17.81	ng		87
4) n-Nitrosodimethylamine	3.86	42	68589	34.98	ng	#	91
6) Aniline	7.45	93	140292	22.53	ng		97
8) 2-Chlorophenol	7.69	128	171301	44.20	ng		88
9) Benzaldehyde	7.26	77	62238	18.80	ng		83
10) Phenol	7.32	94	223190	45.42	ng		91
11) bis(2-Chloroethyl)ether	7.54	93	150195	38.28	ng		89
12) 1,3-Dichlorobenzene	8.02	146	179737	39.53	ng		96
13) 1,4-Dichlorobenzene	8.16	146	182211	39.54	ng		94
14) 1,2-Dichlorobenzene	8.48	146	173985	39.34	ng		98
15) Benzyl Alcohol	8.37	79	142554	37.56	ng		92
16) 2,2'-oxybis(1-Chloropropan	8.65	45	223911	51.67	ng		91
17) 2-Methylphenol	8.57	107	147650	43.15	ng		96
18) Hexachloroethane	9.21	117	62366	38.89	ng		92
19) n-Nitroso-di-n-propylamine	8.93	70	125558	34.90	ng	#	94
20) 3+4-Methylphenols	8.91	107	204683	42.07	ng		95
22) Acetophenone	8.95	105	240088	35.67	ng	#	92
24) Nitrobenzene	9.34	77	184288	39.54	ng		89
25) Isophorone	9.86	82	356276	40.04	ng	#	91
26) 2-Nitrophenol	10.06	139	103880	42.76	ng	#	88
27) 2,4-Dimethylphenol	10.11	122	169957	47.13	ng		92
28) bis(2-Chloroethoxy)methane	10.34	93	222949	39.78	ng		98
29) 2,4-Dichlorophenol	10.60	162	198468	45.83	ng		91
30) 1,2,4-Trichlorobenzene	10.80	180	211922	40.99	ng		94
31) Naphthalene	10.99	128	531963	40.03	ng		98
32) Benzoic acid	10.23	122	21437	11.96	ng	#	82
33) 4-Chloroaniline	11.11	127	100541	17.28	ng		94
34) Hexachlorobutadiene	11.27	225	134777	37.59	ng		96
35) Caprolactam	11.88	113	61673m	34.86	ng		
36) 4-Chloro-3-methylphenol	12.23	107	197528	41.91	ng	#	85
37) 2-Methylnaphthalene	12.59	142	426743	41.59	ng		93
39) 1,2,4,5-Tetrachlorobenzene	12.95	216	263195	35.48	ng		96
40) Hexachlorocyclopentadiene	12.93	237	221064	80.50	ng		92

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Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
42) 2,4,6-Trichlorophenol	13.19	196	175428	41.37	ng		99
43) 2,4,5-Trichlorophenol	13.28	196	190127	40.98	ng		93
45) 1,1'-Biphenyl	13.59	154	564149	36.40	ng		97
46) 2-Chloronaphthalene	13.63	162	466681	41.74	ng		95
47) 2-Nitroaniline	13.84	65	127544	38.48	ng	#	77
48) Acenaphthylene	14.47	152	718744	39.27	ng		99
49) Dimethylphthalate	14.20	163	714434	44.21	ng		99
50) 2,6-Dinitrotoluene	14.33	165	143233	43.00	ng	#	74
51) Acenaphthene	14.81	154	442126	38.68	ng		98
52) 3-Nitroaniline	14.66	138	92188	26.07	ng	#	80
53) 2,4-Dinitrophenol	14.88	184	129222	71.22	ng	#	48
54) Dibenzofuran	15.15	168	742920	40.81	ng		99
55) 4-Nitrophenol	14.98	139	201433	79.96	ng	#	80
56) 2,4-Dinitrotoluene	15.12	165	210581	43.73	ng	#	72
57) Fluorene	15.80	166	591759	40.04	ng		96
58) 2,3,4,6-Tetrachlorophenol	15.38	232	193909	43.85	ng	#	89
59) Diethylphthalate	15.55	149	623863	38.01	ng		97
60) 4-Chlorophenyl-phenylether	15.78	204	356934	39.99	ng		92
61) 4-Nitroaniline	15.82	138	150926	40.30	ng		87
62) Azobenzene	16.07	77	500010	39.94	ng		92
64) 4,6-Dinitro-2-methylphenol	15.89	198	111218	34.81	ng	#	73
65) n-Nitrosodiphenylamine	16.00	169	562726	38.63	ng		99
66) 4-Bromophenyl-phenylether	16.67	248	237242	38.97	ng		98
67) Hexachlorobenzene	16.81	284	239828	37.07	ng		93
68) Atrazine	16.94	200	234819	39.07	ng		97
69) Pentachlorophenol	17.15	266	241292	67.48	ng		99
70) Phenanthrene	17.53	178	1010872	40.39	ng		99
71) Anthracene	17.62	178	1048021	41.79	ng		99
72) Carbazole	17.89	167	953506	40.58	ng		99
73) Di-n-butylphthalate	18.43	149	1112964	38.58	ng		99
74) Fluoranthene	19.54	202	1332003	42.03	ng		98
76) Benzidine	19.71	184	254350	14.98	ng		97
77) Pyrene	19.90	202	1353516	43.15	ng		97
79) Butylbenzylphthalate	20.76	149	521102	41.66	ng	#	84
80) Benzo(a)anthracene	21.75	228	1341302	40.85	ng		99
81) 3,3'-Dichlorobenzidine	21.65	252	323870	24.43	ng		97
82) Chrysene	21.81	228	1260347	41.49	ng		97
83) Bis(2-ethylhexyl)phthalate	21.62	149	727044	40.27	ng		99
84) Di-n-octyl phthalate	22.85	149	1223782	41.65	ng	#	93
85) Indeno(1,2,3-cd)pyrene	28.85	276	1467557	39.74	ng		98
87) Benzo(b)fluoranthene	24.02	252	1331767	41.90	ng		98
88) Benzo(k)fluoranthene	24.09	252	1274898	40.46	ng		97
89) Benzo(a)pyrene	24.91	252	1286400	42.60	ng		99
90) Dibenzo(a,h)anthracene	28.91	278	1219466	39.51	ng		98
91) Benzo(g,h,i)perylene	30.05	276	1207372	40.30	ng		98

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

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