Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG120417\
Data File : BG031367.D
Acq On : 5 Dec 2017 4:01
Operator : SJ/JU
Sample : IDOC-SOIL-3
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : IDOC-SOIL-3

Manual Integrations APPROVED
Sohil
12/5/2017 3:27:26 PM

Quant Time: Dec 05 09:56:51 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	8.12	152	56745	20.00	ng		-0.03
21) Naphthalene-d8	10.94	136	261657	20.00	ng		-0.02
38) Acenaphthene-d10	14.75	164	184461	20.00	ng		-0.02
63) Phenanthrene-d10	17.49	188	472793	20.00	ng		-0.02
75) Chrysene-d12	21.77	240	501655	20.00	ng		-0.02
86) Perylene-d12	25.06	264	509901	20.00	ng		-0.04
System Monitoring Compounds							
5) 2-Fluorophenol	5.68	112	538350	162.68	ng		-0.02
7) Phenol-d6	7.29	99	715581	160.51	ng		-0.01
23) Nitrobenzene-d5	9.30	82	424119	96.05	ng		-0.02
41) 2,4,6-Tribromophenol	16.24	330	368486	123.49	ng		-0.02
44) 2-Fluorobiphenyl	13.38	172	1251087	97.46	ng		-0.02
78) Terphenyl-d14	20.08	244	2153591	94.79	ng		-0.02
Target Compounds							Qvalue
2) 1,4-Dioxane	3.53	88	56128	41.80	ng	#	81
3) Pyridine	3.95	79	50813	13.03	ng		89
4) n-Nitrosodimethylamine	3.86	42	82022	44.39	ng	#	89
6) Aniline	7.45	93	176349	30.06	ng		94
8) 2-Chlorophenol	7.69	128	207980	56.95	ng		88
9) Benzaldehyde	7.27	77	78338	25.11	ng		87
10) Phenol	7.32	94	273035	58.97	ng		92
11) bis(2-Chloroethyl)ether	7.54	93	188109	50.89	ng		88
12) 1,3-Dichlorobenzene	8.02	146	216342m	50.49	ng		
13) 1,4-Dichlorobenzene	8.16	146	222290	51.20	ng		93
14) 1,2-Dichlorobenzene	8.48	146	212992	51.11	ng		96
15) Benzyl Alcohol	8.37	79	176310	49.30	ng		90
16) 2,2'-oxybis(1-Chloropropan	8.65	45	276398	67.69	ng		93
17) 2-Methylphenol	8.58	107	184591	57.25	ng		97
18) Hexachloroethane	9.21	117	78168	51.73	ng		94
19) n-Nitroso-di-n-propylamine	8.93	70	155201	45.79	ng	#	94
20) 3+4-Methylphenols	8.90	107	258897	56.47	ng		95
22) Acetophenone	8.95	105	303839	46.64	ng	#	91
24) Nitrobenzene	9.34	77	230045	51.00	ng		91
25) Isophorone	9.86	82	448464	52.08	ng	#	92
26) 2-Nitrophenol	10.06	139	131445	55.91	ng	#	86
27) 2,4-Dimethylphenol	10.11	122	211895	60.71	ng		92
28) bis(2-Chloroethoxy)methane	10.33	93	279486	51.53	ng		98
29) 2,4-Dichlorophenol	10.60	162	245405	58.55	ng		92
30) 1,2,4-Trichlorobenzene	10.80	180	260989	52.15	ng		98
31) Naphthalene	10.99	128	661001	51.39	ng		99
32) Benzoic acid	10.24	122	29677	14.67	ng		86
33) 4-Chloroaniline	11.11	127	146199	25.96	ng		94
34) Hexachlorobutadiene	11.27	225	166065	47.85	ng		97
35) Caprolactam	11.88	113	69532m	40.61	ng		
36) 4-Chloro-3-methylphenol	12.23	107	249163	54.62	ng	#	84
37) 2-Methylnaphthalene	12.59	142	528089	53.18	ng		93
39) 1,2,4,5-Tetrachlorobenzene	12.95	216	326608	44.61	ng		96
40) Hexachlorocyclopentadiene	12.93	237	288063	102.87	ng		91

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Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
42) 2,4,6-Trichlorophenol	13.19	196	221652	52.96	ng		97
43) 2,4,5-Trichlorophenol	13.28	196	244179	53.32	ng	#	93
45) 1,1'-Biphenyl	13.58	154	697197	45.58	ng		96
46) 2-Chloronaphthalene	13.63	162	581516	52.69	ng		95
47) 2-Nitroaniline	13.84	65	163101	49.86	ng	#	76
48) Acenaphthylene	14.47	152	877877	48.60	ng		99
49) Dimethylphthalate	14.20	163	873127	54.74	ng		98
50) 2,6-Dinitrotoluene	14.33	165	181155	55.11	ng	#	74
51) Acenaphthene	14.82	154	554867	49.19	ng		98
52) 3-Nitroaniline	14.66	138	130974	37.52	ng	#	75
53) 2,4-Dinitrophenol	14.88	184	182781	99.52	ng	#	46
54) Dibenzofuran	15.15	168	911724	50.74	ng		100
55) 4-Nitrophenol	14.99	139	251139	101.00	ng	#	77
56) 2,4-Dinitrotoluene	15.12	165	260151	54.74	ng	#	72
57) Fluorene	15.80	166	725023	49.70	ng		99
58) 2,3,4,6-Tetrachlorophenol	15.38	232	239778	54.94	ng	#	89
59) Diethylphthalate	15.55	149	778637	48.06	ng		96
60) 4-Chlorophenyl-phenylether	15.78	204	439203	49.85	ng		91
61) 4-Nitroaniline	15.83	138	189349	51.23	ng		86
62) Azobenzene	16.07	77	617046	49.94	ng		92
64) 4,6-Dinitro-2-methylphenol	15.88	198	146890	46.74	ng		78
65) n-Nitrosodiphenylamine	16.00	169	685954	47.88	ng		99
66) 4-Bromophenyl-phenylether	16.67	248	294947	49.26	ng		97
67) Hexachlorobenzene	16.80	284	299305	47.04	ng		96
68) Atrazine	16.94	200	291610	49.33	ng		98
69) Pentachlorophenol	17.15	266	299660	85.20	ng		98
70) Phenanthrene	17.54	178	1236581	50.23	ng		98
71) Anthracene	17.62	178	1269084	51.45	ng		98
72) Carbazole	17.89	167	1159471	50.17	ng		99
73) Di-n-butylphthalate	18.43	149	1344391	47.37	ng		99
74) Fluoranthene	19.53	202	1588037	50.95	ng		97
76) Benzidine	19.71	184	206326	12.80	ng		98
77) Pyrene	19.90	202	1612189	54.16	ng		96
79) Butylbenzylphthalate	20.76	149	628148	52.92	ng		86
80) Benzo(a)anthracene	21.74	228	1591318	51.07	ng		97
81) 3,3'-Dichlorobenzidine	21.65	252	436123	34.67	ng		99
82) Chrysene	21.81	228	1513347	52.50	ng		95
83) Bis(2-ethylhexyl)phthalate	21.62	149	872979	50.95	ng		100
84) Di-n-octyl phthalate	22.84	149	1469481	52.70	ng	#	93
85) Indeno(1,2,3-cd)pyrene	28.86	276	1796359	51.26	ng		99
87) Benzo(b)fluoranthene	24.01	252	1612163	52.27	ng		99
88) Benzo(k)fluoranthene	24.08	252	1563209	51.13	ng		98
89) Benzo(a)pyrene	24.91	252	1566609	53.47	ng		99
90) Dibenzo(a,h)anthracene	28.90	278	1513145	50.52	ng		99
91) Benzo(g,h,i)perylene	30.04	276	1477618	50.83	ng		98

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

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