Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG100317\
Data File : BG029013.D
Acq On : 3 Oct 2017 20:01
Operator : SJ/JU
Sample : I5275-02
Misc : LOQ 20 PPM
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : LOQ-SOIL-02-QT4-2017

Quant Time: Oct 05 01:41:07 2017
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG091217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 12 16:57:11 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.24	152	36043	20.00	ng		-0.09
21) Naphthalene-d8	11.06	136	151488	20.00	ng		-0.09
38) Acenaphthene-d10	14.86	164	107221	20.00	ng		-0.08
63) Phenanthrene-d10	17.61	188	260930	20.00	ng		-0.08
75) Chrysene-d12	21.92	240	284883	20.00	ng		-0.11
86) Perylene-d12	25.34	264	282505	20.00	ng		-0.18
System Monitoring Compounds							
5) 2-Fluorophenol	5.81	112	370553	169.64	ng		-0.09
7) Phenol-d6	7.40	99	508624	154.65	ng		-0.09
23) Nitrobenzene-d5	9.41	82	309789	97.83	ng		-0.10
41) 2,4,6-Tribromophenol	16.36	330	286774	161.71	ng		-0.08
44) 2-Fluorobiphenyl	13.48	172	760051	94.52	ng		-0.08
78) Terphenyl-d14	20.20	244	1250761	93.63	ng		-0.08
Target Compounds							Qvalue
2) 1,4-Dioxane	3.73	88	17300	19.557	ng		94
3) Pyridine	4.13	79	53393	21.160	ng	#	92
4) n-Nitrosodimethylamine	4.04	42	24874	21.670	ng		90
6) Aniline	7.56	93	79159	20.681	ng		93
8) 2-Chlorophenol	7.81	128	51133	20.999	ng		91
9) Benzaldehyde	7.38	77	28843	14.136	ng	#	76
10) Phenol	7.42	94	71964	20.734	ng		91
11) bis(2-Chloroethyl)ether	7.65	93	50667	20.333	ng		91
12) 1,3-Dichlorobenzene	8.13	146	54486	20.780	ng		91
13) 1,4-Dichlorobenzene	8.28	146	58927	21.855	ng		96
14) 1,2-Dichlorobenzene	8.60	146	56520	21.218	ng		94
15) Benzyl Alcohol	8.48	79	47673	18.569	ng		93
16) 2,2'-oxybis(1-Chloropropan	8.75	45	96353	21.275	ng		98
17) 2-Methylphenol	8.68	107	45450	20.039	ng		89
18) Hexachloroethane	9.33	117	21220	21.473	ng		96
19) n-Nitroso-di-n-propylamine	9.04	70	49239	21.120	ng		88
20) 3+4-Methylphenols	9.01	107	60083	18.939	ng		92
22) Acetophenone	9.06	105	92518	20.887	ng	#	88
24) Nitrobenzene	9.46	77	73919	21.080	ng		95
25) Isophorone	9.97	82	131441	20.513	ng		96
26) 2-Nitrophenol	10.17	139	29902	20.036	ng	#	90
27) 2,4-Dimethylphenol	10.21	122	51553	18.898	ng		89
28) bis(2-Chloroethoxy)methane	10.44	93	72213	20.753	ng		100
29) 2,4-Dichlorophenol	10.71	162	52350	19.287	ng		95
30) 1,2,4-Trichlorobenzene	10.92	180	63907	20.639	ng		93
31) Naphthalene	11.11	128	164381	20.776	ng		95
32) Benzoic acid	10.35	122	31451	20.262	ng	#	84
33) 4-Chloroaniline	11.23	127	63835	19.260	ng		96
34) Hexachlorobutadiene	11.38	225	47141	20.670	ng		98
35) Caprolactam	11.99	113	18963	19.483	ng	#	89
36) 4-Chloro-3-methylphenol	12.33	107	65941	18.668	ng		96
37) 2-Methylnaphthalene	12.70	142	114588	19.398	ng		96
39) 1,2,4,5-Tetrachlorobenzene	13.06	216	90960	20.632	ng	#	95
40) Hexachlorocyclopentadiene	13.03	237	18726	17.498	ng		99

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Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
42) 2,4,6-Trichlorophenol	13.31	196	51013	18.231	ng		96
43) 2,4,5-Trichlorophenol	13.39	196	54008	19.209	ng	#	85
45) 1,1'-Biphenyl	13.69	154	181366	20.430	ng		96
46) 2-Chloronaphthalene	13.75	162	128604	19.861	ng		97
47) 2-Nitroaniline	13.95	65	46816	19.454	ng		96
48) Acenaphthylene	14.59	152	208540	20.159	ng		97
49) Dimethylphthalate	14.30	163	181793	20.219	ng		99
50) 2,6-Dinitrotoluene	14.44	165	39540	19.764	ng	#	84
51) Acenaphthene	14.93	154	127094	20.225	ng		94
52) 3-Nitroaniline	14.77	138	34622	19.569	ng		90
53) 2,4-Dinitrophenol	15.00	184	10024	16.559	ng		92
54) Dibenzofuran	15.26	168	201879	20.145	ng		95
55) 4-Nitrophenol	15.09	139	21410	16.518	ng	#	67
56) 2,4-Dinitrotoluene	15.23	165	55796	19.835	ng	#	89
57) Fluorene	15.91	166	177008	19.785	ng		98
58) 2,3,4,6-Tetrachlorophenol	15.50	232	47128	19.019	ng		92
59) Diethylphthalate	15.66	149	184097	19.925	ng		98
60) 4-Chlorophenyl-phenylether	15.89	204	100972	19.820	ng		95
61) 4-Nitroaniline	15.93	138	37186	19.840	ng	#	77
62) Azobenzene	16.18	77	160102	20.603	ng		93
64) 4,6-Dinitro-2-methylphenol	16.00	198	32193	19.121	ng		89
65) n-Nitrosodiphenylamine	16.11	169	152752	20.421	ng		96
66) 4-Bromophenyl-phenylether	16.79	248	67357	20.062	ng		96
67) Hexachlorobenzene	16.92	284	76355	19.982	ng	#	91
68) Atrazine	17.05	200	61202	19.056	ng		90
69) Pentachlorophenol	17.27	266	31326	18.144	ng		96
70) Phenanthrene	17.66	178	273560	20.501	ng	#	94
71) Anthracene	17.75	178	276586	20.520	ng		96
72) Carbazole	18.02	167	249798	20.577	ng	#	92
73) Di-n-butylphthalate	18.55	149	306799	20.611	ng	#	95
74) Fluoranthene	19.66	202	341156	20.939	ng		92
76) Benzidine	19.83	184	121982	16.512	ng		97
77) Pyrene	20.02	202	353486	21.512	ng		95
79) Butylbenzylphthalate	20.88	149	132625	19.984	ng		94
80) Benzo(a)anthracene	21.90	228	353263	20.601	ng		93
81) 3,3'-Dichlorobenzidine	21.81	252	138587	19.933	ng		97
82) Chrysene	21.98	228	339315	20.855	ng		92
83) Bis(2-ethylhexyl)phthalate	21.77	149	180644	19.147	ng	#	99
84) Di-n-octyl phthalate	23.03	149	315369	19.132	ng	#	91
85) Indeno(1,2,3-cd)pyrene	29.26	276	394652	18.878	ng	#	55
87) Benzo(b)fluoranthene	24.25	252	344696	20.365	ng		96
88) Benzo(k)fluoranthene	24.32	252	342996	20.288	ng		94
89) Benzo(a)pyrene	25.18	252	325052	20.233	ng		97
90) Dibenzo(a,h)anthracene	29.32	278	330662	19.742	ng		95
91) Benzo(g,h,i)perylene	30.49	276	323328	19.784	ng		98

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

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