

Data Path : Z:\HPCHEM1\BNA G\DATA\BG081716\
 Data File : BG023748.D
 Acq On : 17 Aug 2016 11:40
 Operator : UM/SJ
 Sample : H4449-03MSD
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SOIL-CUTTINGSMSD

Quant Time: Aug 17 16:20:21 2016
 Quant Method : Z:\HPCHEM1\BNA G\Methods\8270-BG080116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 01 19:22:14 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.10	152	115105	20.00	ng	-0.02
21) Naphthalene-d8	10.94	136	532037	20.00	ng	-0.01
38) Acenaphthene-d10	14.78	164	362560	20.00	ng	0.00
63) Phenanthrene-d10	17.54	188	823428	20.00	ng	0.00
75) Chrysene-d12	21.87	240	780774	20.00	ng	0.00
86) Perylene-d12	25.27	264	770855	20.00	ng	0.03

System Monitoring Compounds

5) 2-Fluorophenol	5.65	112	815271	119.22	ng	-0.01
7) Phenol-d6	7.26	99	1163712	109.26	ng	-0.01
23) Nitrobenzene-d5	9.28	82	914954	85.50	ng	-0.01
41) 2,4,6-Tribromophenol	16.28	330	608807	114.80	ng	0.00
44) 2-Fluorobiphenyl	13.39	172	1851435	86.13	ng	0.00
78) Terphenyl-d14	20.15	244	2424197	100.70	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.51	88	82239	28.23	ng	# 81
3) Pyridine	3.92	79	249293	26.04	ng	92
4) n-Nitrosodimethylamine	3.83	42	141569	39.88	ng	# 85
6) Aniline	7.42	93	326110	21.19	ng	95
8) 2-Chlorophenol	7.67	128	323736	41.21	ng	98
9) Benzaldehyde	7.23	77	87332	11.44	ng	94
10) Phenol	7.29	94	423796	37.19	ng	88
11) bis(2-Chloroethyl)ether	7.51	93	341722	37.60	ng	89
12) 1,3-Dichlorobenzene	7.99	146	336674	37.43	ng	94
13) 1,4-Dichlorobenzene	8.14	146	341428	37.08	ng	94
14) 1,2-Dichlorobenzene	8.46	146	331143	36.66	ng	95
15) Benzyl Alcohol	8.35	79	406709	50.40	ng	94
16) 2,2'-oxybis(1-Chloropropan	8.64	45	492089	36.81	ng	89
17) 2-Methylphenol	8.55	107	313856	41.09	ng	92
18) Hexachloroethane	9.19	117	136142	39.28	ng	92
19) n-Nitroso-di-n-propylamine	8.91	70	351063	38.32	ng	98
20) 3+4-Methylphenols	8.89	107	439909	40.85	ng	91
22) Acetophenone	8.94	105	515891	35.41	ng	# 92
24) Nitrobenzene	9.32	77	514061	43.38	ng	91
25) Isophorone	9.85	82	942788	42.29	ng	# 95
26) 2-Nitrophenol	10.04	139	208898	41.77	ng	# 81
27) 2,4-Dimethylphenol	10.10	122	357399	41.97	ng	89
28) bis(2-Chloroethoxy)methane	10.33	93	518171	38.67	ng	99
29) 2,4-Dichlorophenol	10.59	162	388523	45.37	ng	97
30) 1,2,4-Trichlorobenzene	10.80	180	377093	40.83	ng	98
31) Naphthalene	10.99	128	1111403	41.02	ng	99
32) Benzoic acid	10.26	122	211012	29.74	ng	97
33) 4-Chloroaniline	11.11	127	98426	7.60	ng	91
34) Hexachlorobutadiene	11.26	225	250489	41.24	ng	98
35) Caprolactam	11.90	113	122350m	33.96	ng	
36) 4-Chloro-3-methylphenol	12.23	107	486274	43.22	ng	98
37) 2-Methylnaphthalene	12.60	142	849304	41.23	ng	92
39) 1,2,4,5-Tetrachlorobenzene	12.97	216	442373	33.65	ng	99
40) Hexachlorocyclopentadiene	12.93	237	210808	31.80	ng	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	13.21	196	341394	43.59	nq	97
43) 2,4,5-Trichlorophenol	13.29	196	354772	44.00	nq	93
45) 1,1'-Biphenyl	13.60	154	1037500	37.43	nq	92
46) 2-Chloronaphthalene	13.65	162	923250	43.06	nq	97
47) 2-Nitroaniline	13.86	65	394482	44.31	nq	93
48) Acenaphthylene	14.50	152	1450019	42.78	nq	97
49) Dimethylphthalate	14.22	163	1196625	43.02	nq	98
50) 2,6-Dinitrotoluene	14.35	165	285912	43.40	nq	84
51) Acenaphthene	14.84	154	929067	43.27	nq	96
52) 3-Nitroaniline	14.69	138	184282	24.81	nq	82
53) 2,4-Dinitrophenol	14.91	184	269755	63.88	nq	92
54) Dibenzofuran	15.18	168	1446483	46.40	nq	98
55) 4-Nitrophenol	15.02	139	395691	67.82	nq	# 86
56) 2,4-Dinitrotoluene	15.15	165	406767	44.00	nq	98
57) Fluorene	15.83	166	1180897	43.41	nq	99
58) 2,3,4,6-Tetrachlorophenol	15.41	232	335900	45.40	nq	93
59) Diethylphthalate	15.59	149	1244663	44.08	nq	98
60) 4-Chlorophenyl-phenylether	15.81	204	613005	42.58	nq	99
61) 4-Nitroaniline	15.86	138	278467	35.21	nq	# 67
62) Azobenzene	16.11	77	1384283	48.36	nq	93
64) 4,6-Dinitro-2-methylphenol	15.92	198	211457	37.77	nq	92
65) n-Nitrosodiphenylamine	16.03	169	1067781	44.21	nq	94
66) 4-Bromophenyl-phenylether	16.71	248	419073	43.67	nq	98
67) Hexachlorobenzene	16.84	284	441300	42.03	nq	97
68) Atrazine	16.98	200	419685	45.25	nq	97
69) Pentachlorophenol	17.20	266	438073	71.57	nq	98
70) Phenanthrene	17.58	178	1806517	43.24	nq	97
71) Anthracene	17.68	178	1835518	43.68	nq	98
72) Carbazole	17.95	167	1652727	44.79	nq	99
73) Di-n-butylphthalate	18.49	149	1940421	53.26	nq	99
74) Fluoranthene	19.60	202	1954749	50.87	nq	97
76) Benzidine	19.77	184	475625	21.91	nq	97
77) Pyrene	19.96	202	1970190	44.45	nq	100
79) Butylbenzylphthalate	20.84	149	920738	48.97	nq	95
80) Benzo(a)anthracene	21.85	228	1915886	44.45	nq	98
81) 3,3'-Dichlorobenzidine	21.75	252	485526	27.47	nq	# 99
82) Chrysene	21.91	228	1797615	43.84	nq	98
83) Bis(2-ethylhexyl)phthalate	21.71	149	1250906	48.59	nq	# 98
84) Di-n-octyl phthalate	22.99	149	2102035	47.84	nq	100
85) Indeno(1,2,3-cd)pyrene	29.19	276	2178547	42.52	nq	# 100
87) Benzo(b)fluoranthene	24.19	252	1944149	44.83	nq	# 97
88) Benzo(k)fluoranthene	24.26	252	1819129	43.67	nq	# 97
89) Benzo(a)pyrene	25.11	252	1868884	45.31	nq	# 96
90) Dibenzo(a,h)anthracene	29.25	278	1909499	45.32	nq	# 91
91) Benzo(g,h,i)perylene	30.41	276	1772491	41.77	nq	# 91

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

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