

Data Path : Z:\HPCHEM1\BNA F\DATA\BF100516\
 Data File : BF090384.D
 Acq On : 5 Oct 2016 16:30
 Operator : UM/SJ
 Sample : H4818-01
 Misc : LOD 1PPM
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2016-01-QT4

Manual Integrations
 APPROVED

Quant Time: Oct 06 01:31:45 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF100516.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 05 14:57:00 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.00	152	245556	20.00	ng	0.00
21) Naphthalene-d8	8.29	136	1036203	20.00	ng	0.00
38) Acenaphthene-d10	10.05	164	529974	20.00	ng	0.00
63) Phenanthrene-d10	11.54	188	812768	20.00	ng	-0.01
75) Chrysene-d12	14.19	240	665167	20.00	ng	-0.01
86) Perylene-d12	15.70	264	481589	20.00	ng	0.00

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System Monitoring Compounds

5) 2-Fluorophenol	5.62	112	2158273	131.18	ng	0.01
7) Phenol-d6	6.62	99	2442918	113.37	ng	0.00
23) Nitrobenzene-d5	7.56	82	1676749	78.71	ng	-0.01
41) 2,4,6-Tribromophenol	10.84	330	562498	130.53	ng	-0.01
44) 2-Fluorobiphenyl	9.37	172	2693523	84.68	ng	-0.01
78) Terphenyl-d14	13.14	244	2580981	87.23	ng	0.00

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Target Compounds

						Qvalue
2) 1,4-Dioxane	2.84	88	8466m	1.04	ng	
3) Pyridine	3.65	79	22446m	0.99	ng	
4) n-Nitrosodimethylamine	3.55	42	10162m	1.09	ng	
6) Aniline	6.66	93	26894	0.90	ng	98
8) 2-Chlorophenol	6.78	128	21624	1.19	ng	90
9) Benzaldehyde	6.54	77	11051	1.01	ng	92
10) Phenol	6.63	94	33395	1.33	ng	# 58
11) bis(2-Chloroethyl)ether	6.73	93	18056	0.94	ng	# 80
12) 1,3-Dichlorobenzene	6.94	146	17007	0.94	ng	# 95
13) 1,4-Dichlorobenzene	7.01	146	16858	0.92	ng	95
14) 1,2-Dichlorobenzene	7.17	146	18742	1.06	ng	96
15) Benzyl Alcohol	7.16	79	45869	2.80	ng	# 42
16) 2,2'-oxybis(1-Chloropropan	7.27	45	32425	1.00	ng	95
17) 2-Methylphenol	7.24	107	13814	0.93	ng	96
18) Hexachloroethane	7.51	117	6264	0.87	ng	# 85
19) n-Nitroso-di-n-propylamine	7.40	70	15652	0.99	ng	# 89
20) 3+4-Methylphenols	7.40	107	19843	1.03	ng	# 53
22) Acetophenone	7.40	105	25258	1.03	ng	# 93
24) Nitrobenzene	7.57	77	24976	1.18	ng	# 86
25) Isophorone	7.81	82	37269	0.96	ng	# 93
26) 2-Nitrophenol	7.90	139	6669	0.73	ng	# 90
27) 2,4-Dimethylphenol	7.93	122	15630m	0.88	ng	
28) bis(2-Chloroethoxy)methane	8.03	93	24265	1.05	ng	# 94
29) 2,4-Dichlorophenol	8.14	162	12087	0.90	ng	93
30) 1,2,4-Trichlorobenzene	8.22	180	12453	0.90	ng	99
31) Naphthalene	8.31	128	49458	0.99	ng	98
32) Benzoic acid	7.97	122	7993m	0.65	ng	
33) 4-Chloroaniline	8.35	127	17797	0.86	ng	92
34) Hexachlorobutadiene	8.43	225	6213	0.80	ng	94
35) Caprolactam	8.67	113	3779	0.84	ng	# 77
36) 4-Chloro-3-methylphenol	8.83	107	16235	0.96	ng	99
37) 2-Methylnaphthalene	9.00	142	28972	0.96	ng	99
39) 1,2,4,5-Tetrachlorobenzene	9.17	216	12707	0.91	ng	# 95
40) Hexachlorocyclopentadiene	9.16	237	5267	0.69	ng	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)	
42) 2,4,6-Trichlorophenol	9.27	196	7948	0.82	nq		94
43) 2,4,5-Trichlorophenol	9.32	196	6957	0.76	nq	#	89
45) 1,1'-Biphenyl	9.47	154	41577	1.06	nq		94
46) 2-Chloronaphthalene	9.49	162	28886	1.00	nq		98
47) 2-Nitroaniline	9.58	65	9942	0.87	nq		99
48) Acenaphthylene	9.91	152	45092	0.94	nq	#	93
49) Dimethylphthalate	9.75	163	31202	0.92	nq		99
50) 2,6-Dinitrotoluene	9.82	165	6240	0.83	nq		88
51) Acenaphthene	10.09	154	28770	0.96	nq		98
52) 3-Nitroaniline	9.98	138	6854	0.78	nq	#	67
54) Dibenzofuran	10.26	168	37607	0.97	nq		99
55) 4-Nitrophenol	10.14	139	5384	0.70	nq		91
56) 2,4-Dinitrotoluene	10.22	165	7849	0.78	nq	#	34
57) Fluorene	10.60	166	32178	0.99	nq		98
58) 2,3,4,6-Tetrachlorophenol	10.37	232	5172	0.76	nq	#	81
59) Diethylphthalate	10.46	149	34280	0.98	nq	#	90
60) 4-Chlorophenyl-phenylether	10.59	204	13785	0.93	nq	#	88
61) 4-Nitroaniline	10.60	138	6333	0.71	nq		97
62) Azobenzene	10.75	77	38615	0.95	nq		86
64) 4,6-Dinitro-2-methylphenol	10.63	198	1481	5.68	nq		84
65) n-Nitrosodiphenylamine	10.70	169	26233	0.96	nq		96
66) 4-Bromophenyl-phenylether	11.08	248	7281	0.91	nq	#	75
67) Hexachlorobenzene	11.15	284	8749	0.99	nq	#	87
68) Atrazine	11.23	200	6419	0.96	nq		98
69) Pentachlorophenol	11.34	266	3311	0.63	nq		91
70) Phenanthrene	11.56	178	44152	1.06	nq		96
71) Anthracene	11.62	178	45185	1.06	nq		95
72) Carbazole	11.77	167	44543	1.13	nq		95
73) Di-n-butylphthalate	12.10	149	50062	1.04	nq		97
74) Fluoranthene	12.76	202	39863	0.98	nq		92
76) Benzidine	12.88	184	61998	3.54	nq		99
77) Pyrene	12.99	202	43112	0.97	nq		96
79) Butylbenzylphthalate	13.61	149	20284	0.89	nq	#	76
80) Benzo(a)anthracene	14.18	228	39189	1.05	nq		96
81) 3,3'-Dichlorobenzidine	14.14	252	11189	0.83	nq	#	97
82) Chrysene	14.21	228	33948	0.99	nq		96
83) Bis(2-ethylhexyl)phthalate	14.18	149	28520	0.88	nq	#	98
84) Di-n-octyl phthalate	14.80	149	43916	0.92	nq	#	99
85) Indeno(1,2,3-cd)pyrene	17.21	276	21202	0.87	nq	#	94
87) Benzo(b)fluoranthene	15.25	252	28505	0.93	nq	#	96
88) Benzo(k)fluoranthene	15.28	252	25427m	0.88	nq		
89) Benzo(a)pyrene	15.63	252	23543	0.89	nq		97
90) Dibenzo(a,h)anthracene	17.23	278	17403	0.77	nq		95
91) Benzo(g,h,i)perylene	17.65	276	16591	0.77	nq		95

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

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