

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121616\
 Data File : BF091679.D
 Acq On : 16 Dec 2016 18:14
 Operator : UM/SJ
 Sample : H6029-04MSD
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 IDW-SOIL-01MSD

Quant Time: Dec 16 23:17:29 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF120916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 16 00:35:41 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.77	152	155333	20.00	ng	-0.01
21) Naphthalene-d8	8.06	136	667960	20.00	ng	-0.01
38) Acenaphthene-d10	9.81	164	364347	20.00	ng	-0.01
63) Phenanthrene-d10	11.30	188	909050	20.00	ng	-0.01
75) Chrysene-d12	13.93	240	694068	20.00	ng	-0.01
86) Perylene-d12	15.32	264	573226	20.00	ng	-0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.39	112	1470131	159.45	ng	0.01
7) Phenol-d6	6.42	99	1844295	160.45	ng	-0.01
23) Nitrobenzene-d5	7.34	82	1267096	105.87	ng	-0.01
41) 2,4,6-Tribromophenol	10.60	330	631321	208.62	ng	-0.01
44) 2-Fluorobiphenyl	9.14	172	1824501	86.53	ng	-0.01
78) Terphenyl-d14	12.88	244	2104450	68.80	ng	-0.02

Target Compounds						Qvalue
2) 1,4-Dioxane	2.38	88	212673	43.71	ng	87
3) Pyridine	3.07	79	515574	39.76	ng	# 82
4) n-Nitrosodimethylamine	3.04	42	301595	54.14	ng	# 78
6) Aniline	6.44	93	313498	20.80	ng	# 70
8) 2-Chlorophenol	6.57	128	552248	53.07	ng	95
9) Benzaldehyde	6.32	77	99853	12.62	ng	85
10) Phenol	6.43	94	648383	48.25	ng	83
11) bis(2-Chloroethyl)ether	6.52	93	538912	53.38	ng	# 78
12) 1,3-Dichlorobenzene	6.72	146	573326	50.80	ng	97
13) 1,4-Dichlorobenzene	6.80	146	592214	53.20	ng	98
14) 1,2-Dichlorobenzene	6.94	146	522418	52.08	ng	100
15) Benzyl Alcohol	6.92	79	491647	54.17	ng	96
16) 2,2'-oxybis(1-Chloropropan	7.06	45	749157	47.88	ng	80
17) 2-Methylphenol	7.05	107	483081	56.10	ng	# 76
18) Hexachloroethane	7.29	117	219062	50.43	ng	# 87
19) n-Nitroso-di-n-propylamine	7.20	70	396735	55.20	ng	# 83
20) 3+4-Methylphenols	7.20	107	557743	61.10	ng	# 77
22) Acetophenone	7.18	105	815722	50.97	ng	# 95
24) Nitrobenzene	7.36	77	604487	47.81	ng	95
25) Isophorone	7.61	82	1157921	54.43	ng	98
26) 2-Nitrophenol	7.68	139	285896	51.23	ng	92
27) 2,4-Dimethylphenol	7.72	122	477959	48.76	ng	98
28) bis(2-Chloroethoxy)methane	7.81	93	645550	51.73	ng	100
29) 2,4-Dichlorophenol	7.93	162	478027	56.05	ng	95
30) 1,2,4-Trichlorobenzene	8.01	180	500228	51.61	ng	97
31) Naphthalene	8.09	128	1614566	51.95	ng	99
32) Benzoic acid	7.84	122	168017	26.35	ng	99
33) 4-Chloroaniline	8.13	127	172221	12.86	ng	99
34) Hexachlorobutadiene	8.20	225	263624	47.45	ng	98
35) Caprolactam	8.51	113	155808m	62.56	ng	
36) 4-Chloro-3-methylphenol	8.62	107	556747	58.21	ng	96
37) 2-Methylnaphthalene	8.77	142	1003790	49.90	ng	# 96
39) 1,2,4,5-Tetrachlorobenzene	8.94	216	459907	46.02	ng	98
40) Hexachlorocyclopentadiene	8.93	237	484955	108.85	ng	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.06	196	330274m	51.44	nq	
43) 2,4,5-Trichlorophenol	9.10	196	357669m	54.21	nq	
45) 1,1'-Biphenyl	9.24	154	1345449	50.98	nq	97
46) 2-Chloronaphthalene	9.26	162	1012972	49.57	nq	99
47) 2-Nitroaniline	9.36	65	328576	47.81	nq	# 83
48) Acenaphthylene	9.68	152	1460462	46.88	nq	99
49) Dimethylphthalate	9.55	163	1424010	61.72	nq	99
50) 2,6-Dinitrotoluene	9.61	165	290073	57.29	nq	# 86
51) Acenaphthene	9.85	154	1126254	52.05	nq	97
52) 3-Nitroaniline	9.77	138	133223	22.40	nq	92
53) 2,4-Dinitrophenol	9.88	184	260682	85.00	nq	# 84
54) Dibenzofuran	10.02	168	1357973	50.73	nq	96
55) 4-Nitrophenol	9.95	139	484920	109.58	nq	89
56) 2,4-Dinitrotoluene	10.01	165	352300	55.51	nq	# 53
57) Fluorene	10.36	166	1242422	67.43	nq	99
58) 2,3,4,6-Tetrachlorophenol	10.14	232	365676	70.79	nq	94
59) Diethylphthalate	10.25	149	1517981	68.33	nq	96
60) 4-Chlorophenyl-phenylether	10.36	204	599745	62.31	nq	99
61) 4-Nitroaniline	10.38	138	335840	56.81	nq	93
62) Azobenzene	10.51	77	1841538	73.15	nq	88
64) 4,6-Dinitro-2-methylphenol	10.42	198	285944	51.56	nq	# 46
65) n-Nitrosodiphenylamine	10.48	169	1244338	45.91	nq	100
66) 4-Bromophenyl-phenylether	10.84	248	430384	46.18	nq	98
67) Hexachlorobenzene	10.91	284	476694	49.19	nq	# 88
68) Atrazine	11.01	200	476156	54.64	nq	92
69) Pentachlorophenol	11.10	266	518856	95.13	nq	95
70) Phenanthrene	11.32	178	2332577	51.82	nq	99
71) Anthracene	11.37	178	2187218	45.05	nq	99
72) Carbazole	11.53	167	2073605	48.72	nq	100
73) Di-n-butylphthalate	11.86	149	2462238	49.65	nq	98
74) Fluoranthene	12.50	202	2182094	46.29	nq	94
76) Benzidine	12.62	184	435188	20.28	nq	97
77) Pyrene	12.73	202	1903396	34.57	nq	99
79) Butylbenzylphthalate	13.36	149	1046111	48.74	nq	99
80) Benzo(a)anthracene	13.92	228	1718886	42.64	nq	99
81) 3,3'-Dichlorobenzidine	13.88	252	407031	28.12	nq	99
82) Chrysene	13.95	228	1664961	39.48	nq	99
83) Bis(2-ethylhexyl)phthalate	13.92	149	1270669	46.14	nq	97
84) Di-n-octyl phthalate	14.52	149	2414423	51.65	nq	# 90
85) Indeno(1,2,3-cd)pyrene	16.67	276	1312155	34.58	nq	100
87) Benzo(b)fluoranthene	14.93	252	1785660m	52.26	nq	
88) Benzo(k)fluoranthene	14.96	252	1382042m	46.00	nq	
89) Benzo(a)pyrene	15.27	252	1513897	49.18	nq	99
90) Dibenzo(a,h)anthracene	16.68	278	1072362	38.89	nq	99
91) Benzo(g,h,i)perylene	17.08	276	1139659	40.61	nq	100

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

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