

Data Path : Z:\HPCHEM1\BNA F\DATA\BF123115\
 Data File : BF084194.D
 Acq On : 31 Dec 2015 14:56
 Operator : UM/SJ
 Sample : G4825-03
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2016-01

Manual Integrations
 APPROVED

UMANGI
 1/4/2016 4:28:42 PM

Quant Time: Jan 04 11:51:27 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF123115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 31 14:15:57 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	301679	20.00	ng	0.00
21) Naphthalene-d8	8.19	136	1252736	20.00	ng	0.00
38) Acenaphthene-d10	9.94	164	584968	20.00	ng	-0.01
63) Phenanthrene-d10	11.42	188	1139262	20.00	ng	0.00
75) Chrysene-d12	14.05	240	813872	20.00	ng	-0.01
86) Perylene-d12	15.49	264	601518	20.00	ng	-0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	2034555	109.08	ng	0.01
7) Phenol-d6	6.53	99	3020026	128.93	ng	0.00
23) Nitrobenzene-d5	7.46	82	1751732	77.82	ng	-0.01
41) 2,4,6-Tribromophenol	10.73	330	653902	110.72	ng	-0.01
44) 2-Fluorobiphenyl	9.26	172	2704900	81.05	ng	0.00
78) Terphenyl-d14	13.01	244	2587671	70.97	ng	0.00

Target Compounds						Qvalue
2) 1,4-Dioxane	2.60	88	9407	1.06	ng	# 72
3) Pyridine	3.50	79	11155m	0.45	ng	
4) n-Nitrosodimethylamine	3.31	42	11245m	0.89	ng	
6) Aniline	6.56	93	21893	0.64	ng	# 81
8) 2-Chlorophenol	6.68	128	23799	1.12	ng	90
9) Benzaldehyde	6.44	77	16387	1.07	ng	86
10) Phenol	6.54	94	15104	0.57	ng	79
11) bis(2-Chloroethyl)ether	6.64	93	21642	1.05	ng	90
12) 1,3-Dichlorobenzene	6.84	146	22044	1.01	ng	98
13) 1,4-Dichlorobenzene	6.92	146	19525m	0.89	ng	
14) 1,2-Dichlorobenzene	7.07	146	19926	0.95	ng	91
15) Benzyl Alcohol	7.06	79	49840	2.53	ng	# 48
16) 2,2'-oxybis(1-Chloropropan	7.18	45	35297	0.94	ng	84
17) 2-Methylphenol	7.15	107	14281	0.81	ng	92
18) Hexachloroethane	7.41	117	6788	0.78	ng	91
19) n-Nitroso-di-n-propylamine	7.31	70	14536	0.92	ng	# 76
20) 3+4-Methylphenols	7.30	107	20599	0.99	ng	# 79
22) Acetophenone	7.31	105	29369	0.97	ng	# 92
24) Nitrobenzene	7.48	77	25826	1.13	ng	98
25) Isophorone	7.72	82	37766m	0.88	ng	
26) 2-Nitrophenol	7.80	139	7191	0.69	ng	94
27) 2,4-Dimethylphenol	7.84	122	16017m	0.76	ng	
28) bis(2-Chloroethoxy)methane	7.94	93	22024	0.84	ng	# 98
29) 2,4-Dichlorophenol	8.04	162	14055	0.80	ng	91
30) 1,2,4-Trichlorobenzene	8.12	180	16958	0.94	ng	# 89
31) Naphthalene	8.20	128	55481	0.98	ng	100
32) Benzoic acid	7.86	122	1576m	6.35	ng	
33) 4-Chloroaniline	8.25	127	19308	0.74	ng	95
34) Hexachlorobutadiene	8.33	225	9454	0.91	ng	97
35) Caprolactam	8.58	113	4303	0.73	ng	# 70
36) 4-Chloro-3-methylphenol	8.73	107	17216	0.88	ng	99
37) 2-Methylnaphthalene	8.90	142	41590	1.02	ng	96
39) 1,2,4,5-Tetrachlorobenzene	9.06	216	15476	0.92	ng	97
40) Hexachlorocyclopentadiene	9.06	237	6444	0.63	ng	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.17	196	10734	0.85	nq	93
43) 2,4,5-Trichlorophenol	9.21	196	9220	0.76	nq	# 86
45) 1,1'-Biphenyl	9.37	154	44956	0.97	nq	97
46) 2-Chloronaphthalene	9.39	162	35418	0.97	nq	# 85
47) 2-Nitroaniline	9.47	65	7773	0.64	nq	88
48) Acenaphthylene	9.80	152	56708	1.05	nq	98
49) Dimethylphthalate	9.65	163	40408	0.97	nq	# 89
50) 2,6-Dinitrotoluene	9.72	165	5786	0.63	nq	92
51) Acenaphthene	9.97	154	37586	1.04	nq	98
52) 3-Nitroaniline	9.88	138	7661	0.67	nq	# 96
54) Dibenzofuran	10.14	168	54748	Below	Cal	97
55) 4-Nitrophenol	10.03	139	3826	0.46	nq	# 65
56) 2,4-Dinitrotoluene	10.11	165	6229	0.54	nq	# 24
57) Fluorene	10.49	166	42873	Below	Cal	93
58) 2,3,4,6-Tetrachlorophenol	10.26	232	7904	0.77	nq	# 85
59) Diethylphthalate	10.36	149	43723	1.06	nq	99
60) 4-Chlorophenyl-phenylether	10.49	204	16972	Below	Cal	# 82
61) 4-Nitroaniline	10.49	138	7129	0.70	nq	93
62) Azobenzene	10.64	77	40913	0.90	nq	81
64) 4,6-Dinitro-2-methylphenol	10.52	198	712	6.50	nq	# 57
65) n-Nitrosodiphenylamine	10.60	169	31459	0.86	nq	97
66) 4-Bromophenyl-phenylether	10.97	248	10273	0.84	nq	# 62
67) Hexachlorobenzene	11.04	284	13236	0.96	nq	# 94
68) Atrazine	11.12	200	9958	0.84	nq	92
69) Pentachlorophenol	11.23	266	1098	0.15	nq	# 83
70) Phenanthrene	11.45	178	66832	1.12	nq	99
71) Anthracene	11.49	178	61210	1.05	nq	98
72) Carbazole	11.65	167	51281	0.90	nq	96
73) Di-n-butylphthalate	12.00	149	58235	Below	Cal	99
74) Fluoranthene	12.64	202	57937	0.93	nq	92
76) Benzidine	12.75	184	18896	0.65	nq	# 93
77) Pyrene	12.87	202	59020	0.92	nq	95
79) Butylbenzylphthalate	13.48	149	18676	0.68	nq	85
80) Benzo(a)anthracene	14.04	228	43572	0.91	nq	96
81) 3,3'-Dichlorobenzidine	14.01	252	7503	0.45	nq	# 92
82) Chrysene	14.09	228	42554	0.93	nq	97
83) Bis(2-ethylhexyl)phthalate	14.05	149	28830	0.83	nq	94
84) Di-n-octyl phthalate	14.66	149	39893	0.68	nq	# 75
85) Indeno(1,2,3-cd)pyrene	16.91	276	27809	0.76	nq	97
87) Benzo(b)fluoranthene	15.08	252	32511	0.83	nq	97
88) Benzo(k)fluoranthene	15.11	252	28359m	0.88	nq	
89) Benzo(a)pyrene	15.44	252	28130	0.84	nq	99
90) Dibenzo(a,h)anthracene	16.93	278	23459	0.82	nq	95
91) Benzo(g,h,i)perylene	17.33	276	25268	0.85	nq	98

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

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