

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121015\
 Data File : BF083693.D
 Acq On : 10 Dec 2015 23:31
 Operator : UM/IZ
 Sample : G4659-04MSD
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 A8-4CMSD

Manual Integrations
 APPROVED

MMdadoda
 12/11/2015 6:01:45 PM

Quant Time: Dec 17 11:39:50 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF120815.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 17 09:56:43 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.61	152	137696	20.00	ng	-0.09
21) Naphthalene-d8	7.50	136	524772	20.00	ng	-0.10
38) Acenaphthene-d10	10.29	164	256130	20.00	ng	-0.09
63) Phenanthrene-d10	12.69	188	468404	20.00	ng	-0.09
75) Chrysene-d12	16.91	240	377546	20.00	ng	-0.08
86) Perylene-d12	18.57	264	305013	20.00	ng	-0.07

System Monitoring Compounds						
5) 2-Fluorophenol	3.90	112	1186048	130.64	ng	-0.07
7) Phenol-d6	5.20	99	1519775	125.29	ng	-0.08
23) Nitrobenzene-d5	6.44	82	971209	86.36	ng	-0.09
41) 2,4,6-Tribromophenol	11.59	330	290993	127.52	ng	-0.10
44) 2-Fluorobiphenyl	9.25	172	1545604	84.93	ng	-0.09
78) Terphenyl-d14	15.31	244	1405286	87.58	ng	-0.10

Target Compounds						Qvalue
2) 1,4-Dioxane	1.80	88	147493	32.88	ng	# 81
3) Pyridine	2.24	79	387563	35.57	ng	98
4) n-Nitrosodimethylamine	2.20	42	211411	36.85	ng	92
6) Aniline	5.17	93	310002	20.74	ng	91
8) 2-Chlorophenol	5.33	128	390250	39.31	ng	97
9) Benzaldehyde	5.05	77	110395	14.35	ng	97
10) Phenol	5.21	94	579916	39.47	ng	83
11) bis(2-Chloroethyl)ether	5.28	93	423546	39.18	ng	99
12) 1,3-Dichlorobenzene	5.53	146	414890	37.49	ng	99
13) 1,4-Dichlorobenzene	5.63	146	421455	37.12	ng	100
14) 1,2-Dichlorobenzene	5.85	146	396287	37.61	ng	98
15) Benzyl Alcohol	5.87	79	389775	45.16	ng	98
16) 2,2'-oxybis(1-Chloropropan	6.04	45	731892	36.61	ng	# 62
17) 2-Methylphenol	6.06	107	330895	40.96	ng	# 89
18) Hexachloroethane	6.32	117	144242	35.98	ng	92
19) n-Nitroso-di-n-propylamine	6.25	70	329166	38.88	ng	93
20) 3+4-Methylphenols	6.30	107	424637	39.92	ng	99
22) Acetophenone	6.22	105	545361	37.05	ng	96
24) Nitrobenzene	6.48	77	455585	36.65	ng	93
25) Isophorone	6.84	82	841237	38.54	ng	98
26) 2-Nitrophenol	6.96	139	191013	38.70	ng	94
27) 2,4-Dimethylphenol	7.08	122	332797	38.55	ng	99
28) bis(2-Chloroethoxy)methane	7.20	93	501788	41.40	ng	98
29) 2,4-Dichlorophenol	7.37	162	328805	41.87	ng	99
30) 1,2,4-Trichlorobenzene	7.44	180	329226	37.96	ng	96
31) Naphthalene	7.54	128	1104951	39.76	ng	99
32) Benzoic acid	7.39	122	98311	19.68	ng	98
33) 4-Chloroaniline	7.70	127	164653	16.25	ng	94
34) Hexachlorobutadiene	7.74	225	192092	37.91	ng	98
35) Caprolactam	8.28	113	103585m	43.95	ng	
36) 4-Chloro-3-methylphenol	8.54	107	360181	40.83	ng	92
37) 2-Methylnaphthalene	8.64	142	727945	41.70	ng	99
39) 1,2,4,5-Tetrachlorobenzene	8.91	216	325622	38.72	ng	# 100
40) Hexachlorocyclopentadiene	8.89	237	58468	46.13	ng	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.15	196	201108	40.19	nq	98
43) 2,4,5-Trichlorophenol	9.24	196	188629	38.08	nq #	92
45) 1,1'-Biphenyl	9.40	154	853315	38.33	nq	99
46) 2-Chloronaphthalene	9.41	162	667403	39.71	nq	98
47) 2-Nitroaniline	9.64	65	261842	43.19	nq #	85
48) Acenaphthylene	10.06	152	1069480	38.59	nq	99
49) Dimethylphthalate	9.95	163	1000127	49.05	nq	99
50) 2,6-Dinitrotoluene	10.04	165	171205	40.67	nq	96
51) Acenaphthene	10.34	154	623658	39.31	nq	98
52) 3-Nitroaniline	10.33	138	107773	24.09	nq	86
53) 2,4-Dinitrophenol	10.54	184	121947	60.04	nq	98
54) Dibenzofuran	10.64	168	944082	42.91	nq	98
55) 4-Nitrophenol	10.75	139	161559	82.02	nq	91
56) 2,4-Dinitrotoluene	10.72	165	237678	42.57	nq #	80
57) Fluorene	11.19	166	754580	39.29	nq	100
58) 2,3,4,6-Tetrachlorophenol	10.89	232	173015	43.44	nq #	100
59) Diethylphthalate	11.09	149	766221	38.65	nq	99
60) 4-Chlorophenyl-phenylether	11.21	204	343053	37.52	nq	98
61) 4-Nitroaniline	11.32	138	157084	38.65	nq	90
62) Azobenzene	11.47	77	974307	44.66	nq	99
64) 4,6-Dinitro-2-methylphenol	11.38	198	113331	36.02	nq	98
65) n-Nitrosodiphenylamine	11.43	169	641540	41.50	nq	99
66) 4-Bromophenyl-phenylether	12.00	248	199199	38.13	nq	91
67) Hexachlorobenzene	12.07	284	218819	39.48	nq	96
68) Atrazine	12.35	200	204009	44.36	nq	97
69) Pentachlorophenol	12.44	266	115970	77.02	nq	99
70) Phenanthrene	12.73	178	1073154	39.88	nq	99
71) Anthracene	12.81	178	1106877	39.70	nq	99
72) Carbazole	13.12	167	1016725	42.53	nq	99
73) Di-n-butylphthalate	13.73	149	1196798	39.80	nq	99
74) Fluoranthene	14.65	202	1097519	39.86	nq	97
76) Benzidine	14.95	184	303040	25.81	nq	97
77) Pyrene	15.01	202	1126375	41.44	nq	99
79) Butylbenzylphthalate	16.15	149	503815	41.76	nq	99
80) Benzo(a)anthracene	16.90	228	870401	39.39	nq	99
81) 3,3'-Dichlorobenzidine	16.89	252	212464	28.46	nq	96
82) Chrysene	16.95	228	863633	38.99	nq	99
83) Bis(2-ethylhexyl)phthalate	17.00	149	692704	41.37	nq #	97
84) Di-n-octyl phthalate	17.78	149	1101335	43.04	nq #	100
85) Indeno(1,2,3-cd)pyrene	19.77	276	710225	47.50	nq #	100
87) Benzo(b)fluoranthene	18.18	252	762180	43.88	nq	99
88) Benzo(k)fluoranthene	18.21	252	634106m	33.13	nq	
89) Benzo(a)pyrene	18.51	252	634009	37.41	nq	98
90) Dibenzo(a,h)anthracene	19.76	278	598727	46.20	nq	98
91) Benzo(g,h,i)perylene	20.12	276	583872	46.21	nq	95

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

