Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052417\
Data File : BF095401.D
Acq On : 24 May 2017 21:39
Operator : SJ/MA
Sample : I3221-04MSD
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EX-02MSD

Quant Time: May 25 04:48:25 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu May 18 17:07:53 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.75	152	86673	20.00	ng		-0.01
21) Naphthalene-d8	9.77	136	335324	20.00	ng		-0.02
38) Acenaphthene-d10	12.59	164	132267	20.00	ng		-0.02
63) Phenanthrene-d10	15.01	188	194630	20.00	ng		-0.02
75) Chrysene-d12	18.68	240	173308	20.00	ng		-0.01
86) Perylene-d12	20.36	264	120762	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.73	112	905578	174.19	ng		0.00
7) Phenol-d6	7.31	99	1036729	166.21	ng		0.00
23) Nitrobenzene-d5	8.66	82	604645	113.71	ng		-0.01
41) 2,4,6-Tribromophenol	13.91	330	159156	146.93	ng		-0.01
44) 2-Fluorobiphenyl	11.54	172	990532	107.79	ng		-0.02
78) Terphenyl-d14	17.33	244	727789	92.49	ng		-0.02
Target Compounds							Qvalue
2) 1,4-Dioxane	2.24	88	111150	43.59	ng		92
3) Pyridine	2.95	79	258827	43.80	ng		95
4) n-Nitrosodimethylamine	2.87	42	103336	41.95	ng	#	78
6) Aniline	7.27	93	294088	37.35	ng		94
8) 2-Chlorophenol	7.45	128	322830	54.56	ng		95
9) Benzaldehyde	7.08	77	99145	26.03	ng		95
10) Phenol	7.32	94	342237	52.07	ng		90
11) bis(2-Chloroethyl)ether	7.40	93	287172	52.92	ng		94
12) 1,3-Dichlorobenzene	7.65	146	346227	51.58	ng		98
13) 1,4-Dichlorobenzene	7.78	146	353395	51.92	ng		97
14) 1,2-Dichlorobenzene	8.01	146	329986	51.94	ng		96
15) Benzyl Alcohol	8.04	79	247491	61.69	ng		95
16) 2,2'-oxybis(1-Chloropropan	8.24	45	389376	50.70	ng		97
17) 2-Methylphenol	8.27	107	257735	53.22	ng		94
18) Hexachloroethane	8.52	117	92813	40.25	ng	#	86
19) n-Nitroso-di-n-propylamine	8.47	70	223260	52.92	ng		93
20) 3+4-Methylphenols	8.52	107	330041	50.16	ng	#	56
22) Acetophenone	8.42	105	444309	55.23	ng	#	84
24) Nitrobenzene	8.69	77	302154	54.21	ng		92
25) Isophorone	9.09	82	533167	56.15	ng	#	94
26) 2-Nitrophenol	9.20	139	97874	32.54	ng		97
27) 2,4-Dimethylphenol	9.33	122	254293	52.29	ng		97
28) bis(2-Chloroethoxy)methane	9.45	93	357135	54.37	ng		99
29) 2,4-Dichlorophenol	9.62	162	243887	53.12	ng		99
30) 1,2,4-Trichlorobenzene	9.70	180	251565	51.14	ng		99
31) Naphthalene	9.80	128	863741	51.25	ng		100
32) Benzoic acid	9.64	122	5955	6.75	ng		93
33) 4-Chloroaniline	9.97	127	102836	16.37	ng		93
34) Hexachlorobutadiene	10.01	225	127586	49.16	ng		97
35) Caprolactam	10.57	113	68377	49.59	ng		90
36) 4-Chloro-3-methylphenol	10.81	107	232890	47.44	ng		92
37) 2-Methylnaphthalene	10.92	142	559439	50.58	ng		98
39) 1,2,4,5-Tetrachlorobenzene	11.21	216	217650	53.51	ng		99
40) Hexachlorocyclopentadiene	11.18	237	5711	9.14	ng		90

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Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
42) 2,4,6-Trichlorophenol	11.44	196	140131	51.60	ng		99
43) 2,4,5-Trichlorophenol	11.54	196	124669	42.71	ng		94
45) 1,1'-Biphenyl	11.69	154	616194	55.33	ng		98
46) 2-Chloronaphthalene	11.71	162	470348	52.31	ng		97
47) 2-Nitroaniline	11.94	65	138270	56.18	ng	#	80
48) Acenaphthylene	12.37	152	732205	51.99	ng		98
49) Dimethylphthalate	12.24	163	697799	64.26	ng		100
50) 2,6-Dinitrotoluene	12.34	165	98692	44.55	ng		94
51) Acenaphthene	12.65	154	432761	51.44	ng		98
52) 3-Nitroaniline	12.62	138	128829	54.18	ng		90
54) Dibenzofuran	12.94	168	643410	55.27	ng		98
55) 4-Nitrophenol	13.05	139	99155	69.43	ng	#	79
56) 2,4-Dinitrotoluene	13.02	165	113210	39.77	ng		93
57) Fluorene	13.49	166	483773	47.79	ng		100
58) 2,3,4,6-Tetrachlorophenol	13.19	232	98053	53.38	ng		96
59) Diethylphthalate	13.39	149	531648	51.08	ng		99
60) 4-Chlorophenyl-phenylether	13.52	204	212679	47.81	ng		88
61) 4-Nitroaniline	13.62	138	114663	52.53	ng		96
62) Azobenzene	13.78	77	423920	50.69	ng		93
64) 4,6-Dinitro-2-methylphenol	13.71	198	2902	2.22	ng	#	1
65) n-Nitrosodiphenylamine	13.72	169	407893	57.74	ng		98
66) 4-Bromophenyl-phenylether	14.31	248	115248	56.05	ng		95
67) Hexachlorobenzene	14.39	284	108426	51.45	ng	#	89
68) Atrazine	14.65	200	98115	49.19	ng		98
69) Pentachlorophenol	14.75	266	85600	89.12	ng		99
70) Phenanthrene	15.04	178	621105	55.54	ng		98
71) Anthracene	15.12	178	624621	54.68	ng		98
72) Carbazole	15.41	167	599479	57.68	ng		97
73) Di-n-butylphthalate	15.97	149	722472	55.74	ng		99
74) Fluoranthene	16.79	202	670578	58.46	ng		99
76) Benzidine	17.02	184	185955	40.82	ng	#	91
77) Pyrene	17.09	202	689589	53.20	ng		99
79) Butylbenzylphthalate	17.99	149	320328	53.13	ng		92
80) Benzo(a)anthracene	18.67	228	540634	53.60	ng		98
81) 3,3'-Dichlorobenzidine	18.65	252	167637	48.12	ng	#	96
82) Chrysene	18.72	228	491071	50.35	ng		99
83) Bis(2-ethylhexyl)phthalate	18.73	149	443279	51.60	ng	#	97
84) Di-n-octyl phthalate	19.50	149	777513	55.21	ng		99
85) Indeno(1,2,3-cd)pyrene	21.69	276	359484	45.39	ng		99
87) Benzo(b)fluoranthene	19.95	252	428961	57.49	ng		97
88) Benzo(k)fluoranthene	19.98	252	385240	53.52	ng		97
89) Benzo(a)pyrene	20.31	252	356470	51.77	ng		99
90) Dibenzo(a,h)anthracene	21.69	278	303714	53.41	ng		96
91) Benzo(g,h,i)perylene	22.08	276	306823	54.98	ng		98

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

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