Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF073116\
Data File : BF089451.D
Acq On : 30 Jul 2016 14:13
Operator : UM/SJ
Sample : H4221-04MSD
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-44-7.0-8.0MSD

Manual Integrations APPROVED
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8/1/2016 7:18:26 PM

Quant Time: Aug 01 11:37:04 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 01 04:11:30 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.50	152	48100	20.00	ng		0.00
21) Naphthalene-d8	7.79	136	198485	20.00	ng		0.00
38) Acenaphthene-d10	9.53	164	90611	20.00	ng		0.00
63) Phenanthrene-d10	11.00	188	170701	20.00	ng		0.00
75) Chrysene-d12	13.62	240	96943	20.00	ng		0.00
86) Perylene-d12	14.95	264	83505	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.08	112	407806	135.37	ng		0.02
7) Phenol-d6	6.17	99	494207	124.14	ng		0.00
23) Nitrobenzene-d5	7.08	82	333322	99.12	ng		0.00
41) 2,4,6-Tribromophenol	10.32	330	96328	128.36	ng		0.00
44) 2-Fluorobiphenyl	8.87	172	533601	86.42	ng		0.00
78) Terphenyl-d14	12.58	244	380726	91.92	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	1.95	88	50094	36.38	ng	#	90
3) Pyridine	2.54	79	134670	45.69	ng		99
4) n-Nitrosodimethylamine	2.51	42	58181	47.96	ng		97
6) Aniline	6.17	93	143252	33.32	ng		95
8) 2-Chlorophenol	6.30	128	152744	44.83	ng		95
9) Benzaldehyde	6.04	77	89726	46.16	ng		99
10) Phenol	6.18	94	188061	42.81	ng		99
11) bis(2-Chloroethyl)ether	6.25	93	152735	40.92	ng		91
12) 1,3-Dichlorobenzene	6.44	146	145310m	40.77	ng		
13) 1,4-Dichlorobenzene	6.52	146	158166	40.21	ng		93
14) 1,2-Dichlorobenzene	6.67	146	162499	44.10	ng		96
15) Benzyl Alcohol	6.66	79	130076	52.65	ng		94
16) 2,2'-oxybis(1-Chloropropan	6.80	45	166826	40.98	ng		99
17) 2-Methylphenol	6.79	107	111876	42.48	ng		96
18) Hexachloroethane	7.00	117	61140	40.54	ng		93
19) n-Nitroso-di-n-propylamine	6.94	70	111998	46.65	ng	#	89
20) 3+4-Methylphenols	6.95	107	157401	46.54	ng	#	90
22) Acetophenone	6.92	105	199113	42.14	ng	#	96
24) Nitrobenzene	7.10	77	156399	40.86	ng		91
25) Isophorone	7.35	82	307203	45.35	ng		97
26) 2-Nitrophenol	7.42	139	84564	49.42	ng		93
27) 2,4-Dimethylphenol	7.47	122	126131	46.27	ng		97
28) bis(2-Chloroethoxy)methane	7.56	93	201911	53.85	ng		98
29) 2,4-Dichlorophenol	7.67	162	123735	49.82	ng		97
30) 1,2,4-Trichlorobenzene	7.74	180	130524	46.06	ng		97
31) Naphthalene	7.82	128	452733	46.06	ng		100
32) Benzoic acid	7.59	122	8697	4.58	ng	#	86
33) 4-Chloroaniline	7.87	127	62366	16.67	ng	#	93
34) Hexachlorobutadiene	7.93	225	64673	39.84	ng		100
35) Caprolactam	8.26	113	36309m	48.43	ng		
36) 4-Chloro-3-methylphenol	8.38	107	139571	47.28	ng		95
37) 2-Methylnaphthalene	8.50	142	282408	47.68	ng		97
39) 1,2,4,5-Tetrachlorobenzene	8.67	216	116512	36.74	ng		100
40) Hexachlorocyclopentadiene	8.66	237	79264	86.84	ng		98

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Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
42) 2,4,6-Trichlorophenol	8.79	196	77649	51.51	ng		99
43) 2,4,5-Trichlorophenol	8.83	196	95255	49.88	ng	#	88
45) 1,1'-Biphenyl	8.97	154	330465	42.83	ng		96
46) 2-Chloronaphthalene	8.99	162	266967	46.08	ng		91
47) 2-Nitroaniline	9.10	65	88145	51.37	ng		86
48) Acenaphthylene	9.39	152	410482	44.98	ng		99
49) Dimethylphthalate	9.29	163	543071	78.75	ng		99
50) 2,6-Dinitrotoluene	9.35	165	71592	50.53	ng	#	82
51) Acenaphthene	9.56	154	237396	44.54	ng		99
52) 3-Nitroaniline	9.51	138	44719	29.91	ng		84
53) 2,4-Dinitrophenol	9.63	184	30629	56.03	ng		89
54) Dibenzofuran	9.74	168	353550	48.68	ng		95
55) 4-Nitrophenol	9.70	139	62595m	85.49	ng		
56) 2,4-Dinitrotoluene	9.75	165	90703	48.62	ng	#	78
57) Fluorene	10.08	166	288700	45.54	ng		99
58) 2,3,4,6-Tetrachlorophenol	9.87	232	63166	49.54	ng	#	94
59) Diethylphthalate	9.98	149	331616	47.43	ng		98
60) 4-Chlorophenyl-phenylether	10.08	204	134821	46.36	ng		91
61) 4-Nitroaniline	10.12	138	63701	41.33	ng		94
62) Azobenzene	10.24	77	368182	51.14	ng		89
64) 4,6-Dinitro-2-methylphenol	10.16	198	36254	36.35	ng		89
65) n-Nitrosodiphenylamine	10.20	169	265695	49.88	ng		99
66) 4-Bromophenyl-phenylether	10.56	248	74758	45.87	ng	#	81
67) Hexachlorobenzene	10.63	284	77417	46.35	ng	#	69
68) Atrazine	10.74	200	77886	47.60	ng		95
69) Pentachlorophenol	10.82	266	63542	78.64	ng		99
70) Phenanthrene	11.03	178	395667	44.94	ng		100
71) Anthracene	11.08	178	436640	44.61	ng		99
72) Carbazole	11.24	167	383700	46.57	ng		99
73) Di-n-butylphthalate	11.59	149	483003	43.69	ng	#	98
74) Fluoranthene	12.20	202	388751	41.98	ng		97
76) Benzidine	12.34	184	82276	22.97	ng		97
77) Pyrene	12.43	202	378363	51.50	ng		100
79) Butylbenzylphthalate	13.06	149	152618	45.69	ng		91
80) Benzo(a)anthracene	13.61	228	248550	45.43	ng		100
81) 3,3'-Dichlorobenzidine	13.59	252	57192	29.05	ng		98
82) Chrysene	13.65	228	241091	41.40	ng		100
83) Bis(2-ethylhexyl)phthalate	13.63	149	199241	41.26	ng	#	95
84) Di-n-octyl phthalate	14.24	149	323445	42.93	ng		99
85) Indeno(1,2,3-cd)pyrene	16.14	276	260634	62.95	ng		99
87) Benzo(b)fluoranthene	14.61	252	205133m	39.56	ng		
88) Benzo(k)fluoranthene	14.63	252	223257m	46.83	ng		
89) Benzo(a)pyrene	14.90	252	214848	46.18	ng		98
90) Dibenzo(a,h)anthracene	16.14	278	215925	58.92	ng		99
91) Benzo(g,h,i)perylene	16.48	276	221629	61.52	ng		99

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

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