Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101916\
Data File : BF090647.D
Acq On : 19 Oct 2016 15:04
Operator : UM/SJ
Sample : H5291-01MS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SOIL-CUTTINGSMS

Manual Integrations APPROVED
Sohil
10/20/2016 10:36:47 AM

Quant Time: Oct 19 16:16:31 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF101316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 19 15:13:23 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	248317	20.00	ng		0.00
21) Naphthalene-d8	8.18	136	1157433	20.00	ng		0.00
38) Acenaphthene-d10	9.94	164	638034	20.00	ng		0.00
63) Phenanthrene-d10	11.42	188	1053841	20.00	ng		0.00
75) Chrysene-d12	14.06	240	905875	20.00	ng		0.00
86) Perylene-d12	15.52	264	652107	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.51	112	1616859	119.37	ng		0.02
7) Phenol-d6	6.53	99	1988290	98.79	ng		0.00
23) Nitrobenzene-d5	7.46	82	1438264	69.03	ng		0.00
41) 2,4,6-Tribromophenol	10.73	330	597386	105.02	ng		0.00
44) 2-Fluorobiphenyl	9.25	172	2481522	64.08	ng		-0.01
78) Terphenyl-d14	13.01	244	2816439	72.39	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.69	88	234513m	30.38	ng		
3) Pyridine	3.40	79	647013m	37.39	ng		
4) n-Nitrosodimethylamine	3.32	42	257846m	42.58	ng		
6) Aniline	6.55	93	464231	19.09	ng	#	76
8) 2-Chlorophenol	6.68	128	691530	39.37	ng		87
9) Benzaldehyde	6.44	77	84939	6.64	ng		98
10) Phenol	6.54	94	748575	32.52	ng		99
11) bis(2-Chloroethyl)ether	6.62	93	704873	37.11	ng		93
12) 1,3-Dichlorobenzene	6.83	146	618455	35.31	ng		98
13) 1,4-Dichlorobenzene	6.91	146	639894	33.59	ng		99
14) 1,2-Dichlorobenzene	7.06	146	609584	34.23	ng		99
15) Benzyl Alcohol	7.03	79	574485	41.91	ng		98
16) 2,2'-oxybis(1-Chloropropan	7.17	45	942245	35.25	ng		93
17) 2-Methylphenol	7.15	107	538860	39.37	ng		97
18) Hexachloroethane	7.40	117	248316	32.98	ng		98
19) n-Nitroso-di-n-propylamine	7.31	70	554043	40.15	ng	#	91
20) 3+4-Methylphenols	7.31	107	685002	41.28	ng	#	78
22) Acetophenone	7.30	105	946696	37.02	ng	#	93
24) Nitrobenzene	7.47	77	741922	34.70	ng		98
25) Isophorone	7.72	82	1482146	39.08	ng	#	93
26) 2-Nitrophenol	7.79	139	342194	35.27	ng		97
27) 2,4-Dimethylphenol	7.83	122	632333	39.28	ng		100
28) bis(2-Chloroethoxy)methane	7.93	93	908887	40.59	ng		100
29) 2,4-Dichlorophenol	8.04	162	535645	37.99	ng		98
30) 1,2,4-Trichlorobenzene	8.12	180	565629	34.25	ng		99
31) Naphthalene	8.20	128	2100877	35.63	ng		99
32) Benzoic acid	7.97	122	344838	34.88	ng		99
33) 4-Chloroaniline	8.25	127	275466	12.22	ng		98
34) Hexachlorobutadiene	8.31	225	289836	31.41	ng		99
35) Caprolactam	8.62	113	171006m	43.45	ng		
36) 4-Chloro-3-methylphenol	8.74	107	621428	38.20	ng		92
37) 2-Methylnaphthalene	8.89	142	1240160	35.81	ng		99
39) 1,2,4,5-Tetrachlorobenzene	9.06	216	579955	34.28	ng		99
40) Hexachlorocyclopentadiene	9.05	237	577676	69.90	ng		99

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Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
42) 2,4,6-Trichlorophenol	9.17	196	399100	41.82	ng		98
43) 2,4,5-Trichlorophenol	9.22	196	383373	33.68	ng		97
45) 1,1'-Biphenyl	9.35	154	1549876	31.92	ng		98
46) 2-Chloronaphthalene	9.38	162	1188531	32.83	ng		99
47) 2-Nitroaniline	9.48	65	487918	37.18	ng		99
48) Acenaphthylene	9.80	152	2007284	34.82	ng		99
49) Dimethylphthalate	9.66	163	1561066	37.71	ng	#	99
50) 2,6-Dinitrotoluene	9.72	165	326335	36.03	ng	#	80
51) Acenaphthene	9.97	154	1418971	37.03	ng		100
52) 3-Nitroaniline	9.89	138	185691	16.34	ng		97
53) 2,4-Dinitrophenol	9.99	184	316726	65.51	ng	#	70
54) Dibenzofuran	10.14	168	1803274	35.78	ng		97
55) 4-Nitrophenol	10.06	139	485556	70.98	ng		90
56) 2,4-Dinitrotoluene	10.13	165	460583	37.43	ng	#	81
57) Fluorene	10.49	166	1407685	33.86	ng		100
58) 2,3,4,6-Tetrachlorophenol	10.26	232	344072	36.29	ng		94
59) Diethylphthalate	10.36	149	1475155	35.14	ng		96
60) 4-Chlorophenyl-phenylether	10.47	204	657365	33.54	ng		98
61) 4-Nitroaniline	10.51	138	322713	28.31	ng		95
62) Azobenzene	10.63	77	1520743	31.31	ng		99
64) 4,6-Dinitro-2-methylphenol	10.53	198	211863	33.22	ng		73
65) n-Nitrosodiphenylamine	10.60	169	1217207	34.97	ng		99
66) 4-Bromophenyl-phenylether	10.97	248	411924	36.43	ng		97
67) Hexachlorobenzene	11.03	284	485155	39.52	ng	#	69
68) Atrazine	11.13	200	360815	37.48	ng		97
69) Pentachlorophenol	11.23	266	525735	86.40	ng		97
70) Phenanthrene	11.45	178	1877072	33.37	ng		99
71) Anthracene	11.50	178	2120382	35.02	ng		99
72) Carbazole	11.65	167	1774800	32.75	ng		99
73) Di-n-butylphthalate	11.98	149	2235803	35.21	ng	#	98
74) Fluoranthene	12.64	202	2061528	36.43	ng		97
76) Benzidine	12.76	184	526059	23.34	ng		96
77) Pyrene	12.86	202	1976026	32.94	ng		99
79) Butylbenzylphthalate	13.48	149	960939	36.15	ng		92
80) Benzo(a)anthracene	14.05	228	1840927	35.70	ng		100
81) 3,3'-Dichlorobenzidine	14.02	252	413432	23.47	ng		99
82) Chrysene	14.10	228	1869046	37.62	ng		99
83) Bis(2-ethylhexyl)phthalate	14.04	149	1358834	37.89	ng	#	99
84) Di-n-octyl phthalate	14.66	149	2378127	49.46	ng		99
85) Indeno(1,2,3-cd)pyrene	16.96	276	1261466	43.91	ng		99
87) Benzo(b)fluoranthene	15.09	252	1842415m	43.18	ng		
88) Benzo(k)fluoranthene	15.13	252	1246040m	27.14	ng		
89) Benzo(a)pyrene	15.46	252	1399537	35.83	ng	#	96
90) Dibenzo(a,h)anthracene	16.97	278	1071668	35.97	ng		99
91) Benzo(g,h,i)perylene	17.38	276	1002315	35.28	ng		97

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

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