Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042016\
Data File : BF086321.D
Acq On : 20 Apr 2016 21:10
Operator : UM/SJ
Sample : H1824-04
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LOQ-SOIL2016-02

Manual Integrations APPROVED
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4/21/2016 7:10:34 PM

Quant Time: Apr 21 01:38:54 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF042016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 20 15:45:26 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	262253	20.00	ng		-0.03
21) Naphthalene-d8	8.14	136	1048047	20.00	ng		-0.03
38) Acenaphthene-d10	9.90	164	458722	20.00	ng		-0.03
63) Phenanthrene-d10	11.38	188	752051	20.00	ng		-0.03
75) Chrysene-d12	14.02	240	434691	20.00	ng		-0.03
86) Perylene-d12	15.44	264	436289	20.00	ng		-0.05
System Monitoring Compounds							
5) 2-Fluorophenol	5.47	112	1928521	128.30	ng		-0.01
7) Phenol-d6	6.50	99	2421141	123.09	ng		-0.02
23) Nitrobenzene-d5	7.42	82	1535427	83.90	ng		-0.03
41) 2,4,6-Tribromophenol	10.69	330	466956	130.60	ng		-0.03
44) 2-Fluorobiphenyl	9.23	172	2441811	107.79	ng		-0.03
78) Terphenyl-d14	12.97	244	1510927	82.74	ng		-0.03
Target Compounds							Qvalue
2) 1,4-Dioxane	2.54	88	123715	15.19	ng	#	93
3) Pyridine	3.31	79	276464	13.26	ng		96
4) n-Nitrosodimethylamine	3.20	42	114790	15.98	ng	#	69
6) Aniline	6.52	93	262380	9.91	ng	#	84
8) 2-Chlorophenol	6.65	128	319664	17.90	ng		84
9) Benzaldehyde	6.41	77	292863	21.01	ng		99
10) Phenol	6.51	94	365944	16.23	ng		92
11) bis(2-Chloroethyl)ether	6.60	93	345534	17.55	ng		94
12) 1,3-Dichlorobenzene	6.80	146	343987	17.56	ng		99
13) 1,4-Dichlorobenzene	6.88	146	374228	17.88	ng		98
14) 1,2-Dichlorobenzene	7.04	146	301007	16.21	ng		97
15) Benzyl Alcohol	7.00	79	236818	19.38	ng		98
16) 2,2'-oxybis(1-Chloropropan	7.14	45	470384	16.98	ng		89
17) 2-Methylphenol	7.12	107	273114	18.30	ng		97
18) Hexachloroethane	7.38	117	119762	19.20	ng		94
19) n-Nitroso-di-n-propylamine	7.28	70	234727	19.70	ng	#	94
20) 3+4-Methylphenols	7.26	107	333147	20.58	ng	#	79
22) Acetophenone	7.28	105	466352	21.18	ng	#	97
24) Nitrobenzene	7.45	77	335205	17.12	ng		95
25) Isophorone	7.68	82	616002	17.77	ng		94
26) 2-Nitrophenol	7.77	139	164942	18.84	ng	#	73
27) 2,4-Dimethylphenol	7.80	122	296451	17.26	ng		100
28) bis(2-Chloroethoxy)methane	7.89	93	400573	19.76	ng		99
29) 2,4-Dichlorophenol	8.01	162	263404	19.45	ng		93
30) 1,2,4-Trichlorobenzene	8.09	180	283336	19.39	ng		99
31) Naphthalene	8.17	128	1012811	20.27	ng		98
32) Benzoic acid	7.88	122	138137	13.53	ng		91
33) 4-Chloroaniline	8.22	127	147243	7.12	ng	#	94
34) Hexachlorobutadiene	8.29	225	138563	18.82	ng		98
35) Caprolactam	8.57	113	77375	17.64	ng	#	64
36) 4-Chloro-3-methylphenol	8.69	107	288444	18.94	ng		86
37) 2-Methylnaphthalene	8.86	142	608585	19.73	ng		97
39) 1,2,4,5-Tetrachlorobenzene	9.02	216	249017	20.39	ng		96
40) Hexachlorocyclopentadiene	9.01	237	54384	19.62	ng		98

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Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
42) 2,4,6-Trichlorophenol	9.14	196	161523	19.07	ng		97
43) 2,4,5-Trichlorophenol	9.17	196	179368	19.44	ng	#	87
45) 1,1'-Biphenyl	9.32	154	743323	20.63	ng		99
46) 2-Chloronaphthalene	9.34	162	551274	20.19	ng		99
47) 2-Nitroaniline	9.45	65	172606	18.60	ng	#	72
48) Acenaphthylene	9.76	152	886891	20.81	ng		99
49) Dimethylphthalate	9.62	163	639674	18.32	ng		99
50) 2,6-Dinitrotoluene	9.69	165	139085	19.35	ng		92
51) Acenaphthene	9.93	154	521433	20.85	ng		100
52) 3-Nitroaniline	9.85	138	106821	11.69	ng		97
53) 2,4-Dinitrophenol	9.96	184	17378	17.26	ng	#	3
54) Dibenzofuran	10.11	168	760273	22.36	ng		99
55) 4-Nitrophenol	10.01	139	88366	15.59	ng		85
56) 2,4-Dinitrotoluene	10.09	165	179762	20.13	ng		98
57) Fluorene	10.44	166	549420	21.81	ng		99
58) 2,3,4,6-Tetrachlorophenol	10.22	232	137779	22.26	ng		89
59) Diethylphthalate	10.33	149	647573	19.00	ng		98
60) 4-Chlorophenyl-phenylether	10.44	204	258477	22.15	ng		99
61) 4-Nitroaniline	10.46	138	144471	16.89	ng	#	84
62) Azobenzene	10.60	77	723229	21.53	ng		94
64) 4,6-Dinitro-2-methylphenol	10.49	198	36176	19.42	ng		84
65) n-Nitrosodiphenylamine	10.56	169	497254	20.07	ng		98
66) 4-Bromophenyl-phenylether	10.93	248	153213	18.96	ng		97
67) Hexachlorobenzene	10.99	284	152308	18.78	ng		94
68) Atrazine	11.08	200	144985	19.04	ng		99
69) Pentachlorophenol	11.18	266	75515	17.77	ng		94
70) Phenanthrene	11.40	178	730613	20.50	ng		98
71) Anthracene	11.46	178	797983	20.91	ng		98
72) Carbazole	11.61	167	717337	19.86	ng		97
73) Di-n-butylphthalate	11.95	149	955052	20.54	ng	#	97
74) Fluoranthene	12.59	202	629105	19.04	ng		97
76) Benzidine	12.72	184	154191	8.03	ng		97
77) Pyrene	12.82	202	619378	19.21	ng		98
79) Butylbenzylphthalate	13.44	149	305716	17.96	ng	#	69
80) Benzo(a)anthracene	14.01	228	439955	19.21	ng		98
81) 3,3'-Dichlorobenzidine	13.97	252	109567	6.92	ng	#	96
82) Chrysene	14.04	228	498450	20.14	ng		96
83) Bis(2-ethylhexyl)phthalate	14.01	149	373468	18.74	ng	#	97
84) Di-n-octyl phthalate	14.61	149	665750	18.53	ng	#	94
85) Indeno(1,2,3-cd)pyrene	16.83	276	454358	17.85	ng		96
87) Benzo(b)fluoranthene	15.03	252	421696m	16.71	ng		
88) Benzo(k)fluoranthene	15.06	252	521647m	24.56	ng		
89) Benzo(a)pyrene	15.38	252	453690	19.51	ng		98
90) Dibenzo(a,h)anthracene	16.84	278	391766	19.30	ng	#	96
91) Benzo(g,h,i)perylene	17.24	276	360678	18.53	ng		95

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

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