Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG041316\
Data File : BG021638.D
Acq On : 14 Apr 2016 2:08
Operator : UM/SJ
Sample : H1824-03
Misc : LOD-SOIL-1PPB
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : LOD-SOIL2016-01

Manual Integrations APPROVED
Sohil
4/14/2016 5:30:03 PM

Quant Time: Apr 14 11:28:58 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG041316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 13 15:48:13 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.21	152	27860	20.00	ng		0.00
21) Naphthalene-d8	11.03	136	122646	20.00	ng		0.00
38) Acenaphthene-d10	14.82	164	78084	20.00	ng		0.00
63) Phenanthrene-d10	17.56	188	198995	20.00	ng		0.00
75) Chrysene-d12	21.83	240	237855	20.00	ng		0.00
86) Perylene-d12	25.15	264	231303	20.00	ng		-0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.76	112	238714	142.69	ng		0.00
7) Phenol-d6	7.36	99	342082	136.89	ng		0.00
23) Nitrobenzene-d5	9.38	82	204014	85.50	ng		0.00
41) 2,4,6-Tribromophenol	16.30	330	123047	146.22	ng		0.00
44) 2-Fluorobiphenyl	13.45	172	469090	88.02	ng		0.00
78) Terphenyl-d14	20.15	244	829959	87.07	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.64	88	645	0.87	ng	#	90
3) Pyridine	4.05	79	1557	0.70	ng		88
4) n-Nitrosodimethylamine	3.96	42	914	0.83	ng	#	65
6) Aniline	7.54	93	2521	0.76	ng		95
8) 2-Chlorophenol	7.78	128	1742	0.87	ng		96
9) Benzaldehyde	7.35	77	2181	1.51	ng	#	71
10) Phenol	7.39	94	2213	0.82	ng		97
11) bis(2-Chloroethyl)ether	7.63	93	1513	0.70	ng	#	78
12) 1,3-Dichlorobenzene	8.10	146	1534	0.68	ng		98
13) 1,4-Dichlorobenzene	8.25	146	1654	0.73	ng	#	78
14) 1,2-Dichlorobenzene	8.57	146	1641	0.75	ng		88
15) Benzyl Alcohol	8.45	79	1543	0.81	ng		99
16) 2,2'-oxybis(1-Chloropropan	8.75	45	3619	0.79	ng		93
17) 2-Methylphenol	8.65	107	1419	0.76	ng	#	75
18) Hexachloroethane	9.31	117	549	0.66	ng		87
19) n-Nitroso-di-n-propylamine	9.01	70	1149	0.59	ng	#	85
20) 3+4-Methylphenols	8.97	107	1762	0.69	ng		86
22) Acetophenone	9.04	105	2864	0.84	ng	#	86
24) Nitrobenzene	9.42	77	1970	0.77	ng	#	84
25) Isophorone	9.95	82	3671	0.70	ng	#	86
26) 2-Nitrophenol	10.14	139	453	0.46	ng	#	77
27) 2,4-Dimethylphenol	10.18	122	1601	0.72	ng		90
28) bis(2-Chloroethoxy)methane	10.42	93	2306	0.83	ng	#	85
29) 2,4-Dichlorophenol	10.67	162	1378	0.73	ng		89
30) 1,2,4-Trichlorobenzene	10.89	180	1522	0.75	ng		91
31) Naphthalene	11.09	128	5241	0.80	ng	#	91
33) 4-Chloroaniline	11.19	127	2317	0.82	ng	#	75
34) Hexachlorobutadiene	11.37	225	993	0.76	ng	#	82
35) Caprolactam	11.94	113	544	0.63	ng	#	48
36) 4-Chloro-3-methylphenol	12.28	107	1697	0.71	ng	#	92
37) 2-Methylnaphthalene	12.67	142	3648	0.81	ng		86
39) 1,2,4,5-Tetrachlorobenzene	13.03	216	1663	0.68	ng	#	93
40) Hexachlorocyclopentadiene	13.01	237	959	0.71	ng		77
42) 2,4,6-Trichlorophenol	13.26	196	934m	0.60	ng		

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Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
43) 2,4,5-Trichlorophenol	13.33	196	993	0.59	ng	#	91
45) 1,1'-Biphenyl	13.66	154	5272	0.80	ng		94
46) 2-Chloronaphthalene	13.71	162	3980	0.82	ng	#	90
47) 2-Nitroaniline	13.89	65	1263	0.76	ng	#	58
48) Acenaphthylene	14.55	152	6072	0.76	ng	#	91
49) Dimethylphthalate	14.26	163	5028	0.74	ng	#	95
50) 2,6-Dinitrotoluene	14.38	165	912	0.71	ng		95
51) Acenaphthene	14.89	154	4025	0.78	ng	#	89
52) 3-Nitroaniline	14.71	138	872	0.61	ng	#	76
54) Dibenzofuran	15.22	168	6470	0.92	ng		99
55) 4-Nitrophenol	15.00	139	519	0.42	ng		83
56) 2,4-Dinitrotoluene	15.16	165	1134	0.65	ng	#	97
57) Fluorene	15.86	166	5440	0.87	ng		92
58) 2,3,4,6-Tetrachlorophenol	15.44	232	865	0.62	ng	#	87
59) Diethylphthalate	15.62	149	5528	0.78	ng	#	95
60) 4-Chlorophenyl-phenylether	15.85	204	2603	0.84	ng		94
61) 4-Nitroaniline	15.86	138	983	0.63	ng	#	67
62) Azobenzene	16.14	77	5368	0.89	ng		90
64) 4,6-Dinitro-2-methylphenol	15.92	198	253	5.67	ng	#	42
65) n-Nitrosodiphenylamine	16.06	169	4323	0.72	ng		93
66) 4-Bromophenyl-phenylether	16.74	248	1641	0.77	ng		89
67) Hexachlorobenzene	16.86	284	1631	0.72	ng		94
68) Atrazine	17.00	200	1638	0.69	ng		86
69) Pentachlorophenol	17.21	266	703	0.55	ng	#	16
70) Phenanthrene	17.60	178	9422	0.86	ng		95
71) Anthracene	17.69	178	9215	0.83	ng		96
72) Carbazole	17.95	167	8605	0.83	ng		99
73) Di-n-butylphthalate	18.50	149	10304	0.78	ng	#	98
74) Fluoranthene	19.59	202	10997	0.84	ng		94
76) Benzidine	19.76	184	6347	0.86	ng		98
77) Pyrene	19.95	202	11841	0.86	ng		93
79) Butylbenzylphthalate	20.82	149	4395	0.69	ng		93
80) Benzo(a)anthracene	21.81	228	11579	0.85	ng		95
81) 3,3'-Dichlorobenzidine	21.71	252	2798	0.26	ng	#	96
82) Chrysene	21.87	228	11268	0.86	ng		95
83) Bis(2-ethylhexyl)phthalate	21.70	149	6756	0.73	ng		99
84) Di-n-octyl phthalate	22.96	149	10556	0.68	ng	#	73
85) Indeno(1,2,3-cd)pyrene	28.94	276	12209m	0.78	ng		
87) Benzo(b)fluoranthene	24.09	252	10532	0.78	ng		99
88) Benzo(k)fluoranthene	24.16	252	11206	0.85	ng		97
89) Benzo(a)pyrene	24.99	252	10503	0.81	ng		97
90) Dibenzo(a,h)anthracene	29.02	278	9646	0.74	ng	#	88
91) Benzo(g,h,i)perylene	30.15	276	9937m	0.78	ng		

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

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