Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG051920\
Data File : BG045427.D
Acq On : 19 May 2020 16:45
Operator : CG/JU
Sample : L2182-01
Misc : SOIL - LOD - 8PPM
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : LOD-MDL-SOIL-01-QT2-2020

Quant Time: May 20 05:50:14 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG051520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 20 00:13:14 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.96	152	79400	20.00	ng		0.00
21) Naphthalene-d8	10.77	136	332012	20.00	ng		0.00
39) Acenaphthene-d10	14.61	164	240934	20.00	ng		0.00
64) Phenanthrene-d10	17.36	188	560631	20.00	ng		0.00
76) Chrysene-d12	21.62	240	570761	20.00	ng		0.00
87) Perylene-d12	24.76	264	612500	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.57	112	524349	129.06	ng		0.00
7) Phenol-d6	7.19	99	763849	132.09	ng		0.00
23) Nitrobenzene-d5	9.13	82	525376	86.29	ng		0.00
42) 2,4,6-Tribromophenol	16.11	330	434502	141.01	ng		0.00
45) 2-Fluorobiphenyl	13.23	172	1274380	89.72	ng		0.00
79) Terphenyl-d14	19.97	244	2350530	96.05	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.42	88	14379	7.137	ng		97
3) Pyridine	3.82	79	30156	5.374	ng		97
4) n-Nitrosodimethylamine	3.73	42	9575	5.215	ng	#	93
6) Aniline	7.29	93	50769	6.726	ng		96
8) 2-Chlorophenol	7.55	128	31899	7.160	ng		91
9) Benzaldehyde	7.09	77	31248	8.294	ng		93
10) Phenol	7.22	94	43348	7.273	ng		91
11) bis(2-Chloroethyl)ether	7.38	93	33198	7.141	ng		98
12) 1,3-Dichlorobenzene	7.85	146	36069	6.737	ng		90
13) 1,4-Dichlorobenzene	8.01	146	37488	7.095	ng		96
14) 1,2-Dichlorobenzene	8.32	146	35984	7.081	ng		92
15) Benzyl Alcohol	8.22	79	32291	6.760	ng		99
16) 2,2'-oxybis(1-Chloropropan	8.49	45	31673	7.178	ng		97
17) 2-Methylphenol	8.46	107	29704	6.659	ng		95
18) Hexachloroethane	9.05	117	14026	6.931	ng	#	82
19) n-Nitroso-di-n-propylamine	8.77	70	30154	7.541	ng	#	88
20) 3+4-Methylphenols	8.79	107	39359m	6.479	ng		
22) Acetophenone	8.79	105	57891	7.357	ng	#	92
24) Nitrobenzene	9.17	77	44775	6.864	ng	#	95
25) Isophorone	9.69	82	85969	7.170	ng		98
26) 2-Nitrophenol	9.89	139	19098	6.844	ng	#	80
27) 2,4-Dimethylphenol	9.98	122	32270	7.797	ng		92
28) bis(2-Chloroethoxy)methane	10.18	93	45789	7.282	ng	#	92
29) 2,4-Dichlorophenol	10.46	162	33029	6.758	ng		87
30) 1,2,4-Trichlorobenzene	10.64	180	41123	7.121	ng		97
31) Naphthalene	10.82	128	108543	7.016	ng		99
32) Benzoic acid	10.11	122	16320m	6.566	ng		
33) 4-Chloroaniline	10.94	127	45029	6.963	ng		98
34) Hexachlorobutadiene	11.11	225	26322	6.448	ng		98
35) Caprolactam	11.68	113	13711	7.643	ng		86
36) 4-Chloro-3-methylphenol	12.11	107	40305	7.319	ng		98
37) 2-Methylnaphthalene	12.43	142	86477	7.499	ng		95
38) 1-Methylnaphthalene	12.65	142	86244m	7.917	ng		
40) 1,2,4,5-Tetrachlorobenzene	12.80	216	48094	7.147	ng		98

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Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
41) Hexachlorocyclopentadiene	12.78	237	20840	5.365 ng		93
43) 2,4,6-Trichlorophenol	13.06	196	31972	6.839 ng		97
44) 2,4,5-Trichlorophenol	13.15	196	33759	6.319 ng		93
46) 1,1'-Biphenyl	13.44	154	111627	7.540 ng		99
47) 2-Chloronaphthalene	13.48	162	86727	7.214 ng		96
48) 2-Nitroaniline	13.69	65	25269	6.390 ng	#	80
49) Acenaphthylene	14.33	152	149081	7.720 ng		96
50) Dimethylphthalate	14.06	163	126839	7.674 ng	#	95
51) 2,6-Dinitrotoluene	14.18	165	29301	7.857 ng		92
52) Acenaphthene	14.67	154	84657	6.550 ng		94
53) 3-Nitroaniline	14.52	138	23883	6.300 ng	#	92
54) 2,4-Dinitrophenol	14.73	184	3561	1.644 ng	#	85
55) Dibenzofuran	15.01	168	148142	7.718 ng		97
56) 4-Nitrophenol	14.91	139	16123	5.617 ng		94
57) 2,4-Dinitrotoluene	14.97	165	40130	7.430 ng		92
58) Fluorene	15.65	166	121890	7.730 ng		99
59) 2,3,4,6-Tetrachlorophenol	15.25	232	30847m	6.563 ng		
60) Diethylphthalate	15.42	149	136065	7.909 ng		98
61) 4-Chlorophenyl-phenylether	15.65	204	65582	7.268 ng		97
62) 4-Nitroaniline	15.69	138	29371	7.421 ng	#	83
63) Azobenzene	15.94	77	122231	7.620 ng		98
65) 4,6-Dinitro-2-methylphenol	15.74	198	16871	5.167 ng		98
66) n-Nitrosodiphenylamine	15.87	169	111882	8.312 ng		96
67) 4-Bromophenyl-phenylether	16.54	248	42786	7.048 ng		97
68) Hexachlorobenzene	16.66	284	50237	7.912 ng		95
69) Atrazine	16.82	200	43896	7.917 ng		95
70) Pentachlorophenol	17.03	266	7631	2.315 ng		94
71) Phenanthrene	17.40	178	207863	8.493 ng		99
72) Anthracene	17.49	178	217177	8.836 ng		97
73) Carbazole	17.77	167	201548	8.413 ng		95
74) Di-n-butylphthalate	18.32	149	244309	8.496 ng		97
75) Fluoranthene	19.41	202	273361	8.781 ng		98
77) Benzidine	19.59	184	116464	7.265 ng		97
78) Pyrene	19.77	202	279981	8.605 ng		99
80) Butylbenzylphthalate	20.66	149	111330	7.928 ng		100
81) Benzo(a)anthracene	21.59	228	269762	8.484 ng		97
82) 3,3'-Dichlorobenzidine	21.52	252	107074	8.585 ng		100
83) Chrysene	21.66	228	260043	8.506 ng		96
84) Bis(2-ethylhexyl)phthalate	21.51	149	157314	8.149 ng		98
85) Di-n-octyl phthalate	22.70	149	268800	8.107 ng		100
86) Indeno(1,2,3-cd)pyrene	28.34	276	311212	7.784 ng	#	98
88) Benzo(b)fluoranthene	23.77	252	268827	8.184 ng		97
89) Benzo(k)fluoranthene	23.83	252	263254	8.530 ng		98
90) Benzo(a)pyrene	24.62	252	244245	7.984 ng	#	98
91) Dibenzo(a,h)anthracene	28.40	278	257295	8.369 ng		96
92) Benzo(g,h,i)perylene	29.46	276	257570	8.377 ng		96

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

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