Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN032719\
Data File : BN004996.D
Acq On : 27 Mar 2019 15:43
Operator : JU/SJ
Sample : K1560-03
Misc : MDL 8 PPM
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : MDL-MDL-SOIL-03-QT1-2019

Quant Time: Mar 28 04:48:48 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-BN032619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 27 05:27:09 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.68	152	8046	20.00	ng		0.00
21) Naphthalene-d8	10.46	136	32075	20.00	ng		0.00
39) Acenaphthene-d10	14.32	164	17691	20.00	ng		0.00
64) Phenanthrene-d10	17.07	188	37984	20.00	ng		0.00
76) Chrysene-d12	21.27	240	41644	20.00	ng		0.00
87) Perylene-d12	23.50	264	45939	20.00	ng		-0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.26	112	62135	133.51	ng		0.00
7) Phenol-d6	6.85	99	79003	127.99	ng		0.00
23) Nitrobenzene-d5	8.84	82	49391	93.15	ng		0.00
42) 2,4,6-Tribromophenol	15.82	330	39273	137.64	ng		0.00
45) 2-Fluorobiphenyl	12.93	172	127511	95.51	ng		0.00
79) Terphenyl-d14	19.70	244	191431	88.50	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.21	88	1255	7.400	ng	#	76
3) Pyridine	3.60	79	2975	6.277	ng		98
4) n-Nitrosodimethylamine	3.53	42	697	4.511	ng	#	82
6) Aniline	7.01	93	5399	6.869	ng		99
8) 2-Chlorophenol	7.24	128	4179	7.074	ng		98
9) Benzaldehyde	6.83	77	2755	7.767	ng		98
10) Phenol	6.88	94	4581	6.926	ng		97
11) bis(2-Chloroethyl)ether	7.11	93	3556	6.952	ng		96
12) 1,3-Dichlorobenzene	7.56	146	4743	7.369	ng		99
13) 1,4-Dichlorobenzene	7.71	146	4688	7.195	ng		97
14) 1,2-Dichlorobenzene	8.02	146	4558	7.310	ng		98
15) Benzyl Alcohol	7.92	79	2702	5.754	ng		98
16) 2,2'-oxybis(1-Chloropropan	8.20	45	4477	7.255	ng		85
17) 2-Methylphenol	8.12	107	3035	6.582	ng		99
18) Hexachloroethane	8.73	117	1539	6.664	ng		96
19) n-Nitroso-di-n-propylamine	8.48	70	2638	6.519	ng	#	95
20) 3+4-Methylphenols	8.45	107	3935	6.285	ng		100
22) Acetophenone	8.50	105	5507	7.521	ng		99
24) Nitrobenzene	8.88	77	4109	7.657	ng		99
25) Isophorone	9.39	82	7223	6.992	ng		99
26) 2-Nitrophenol	9.59	139	1873	6.011	ng		98
27) 2,4-Dimethylphenol	9.64	122	3039	7.005	ng		98
28) bis(2-Chloroethoxy)methane	9.88	93	4779	7.467	ng		99
29) 2,4-Dichlorophenol	10.12	162	3506	7.032	ng		99
30) 1,2,4-Trichlorobenzene	10.32	180	4309	7.846	ng		97
31) Naphthalene	10.50	128	13380	7.995	ng		100
32) Benzoic acid	9.73	122	510	6.993	ng		97
33) 4-Chloroaniline	10.63	127	4864	7.144	ng		98
34) Hexachlorobutadiene	10.78	225	2743	7.719	ng		98
35) Caprolactam	11.40	113	522	3.197	ng		94
36) 4-Chloro-3-methylphenol	11.76	107	3609	6.701	ng		99
37) 2-Methylnaphthalene	12.13	142	9036	7.646	ng		99
38) 1-Methylnaphthalene	12.35	142	8988	7.773	ng	#	100
40) 1,2,4,5-Tetrachlorobenzene	12.49	216	5012	7.987	ng	#	96

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Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Hexachlorocyclopentadiene	12.46	237	1655	8.889	ng		92
43) 2,4,6-Trichlorophenol	12.75	196	2542	6.529	ng		100
44) 2,4,5-Trichlorophenol	12.83	196	2728	6.431	ng		97
46) 1,1'-Biphenyl	13.15	154	12149	8.114	ng		99
47) 2-Chloronaphthalene	13.19	162	9079	7.902	ng		99
48) 2-Nitroaniline	13.41	65	1804	5.898	ng		94
49) Acenaphthylene	14.04	152	14977	7.750	ng		99
50) Dimethylphthalate	13.77	163	11090	7.630	ng		100
51) 2,6-Dinitrotoluene	13.91	165	2262	6.839	ng		99
52) Acenaphthene	14.38	154	8694	7.997	ng		98
53) 3-Nitroaniline	14.25	138	2015	5.961	ng	#	95
54) 2,4-Dinitrophenol	14.46	184	221	8.228	ng	#	24
55) Dibenzofuran	14.72	168	13775	7.963	ng		99
56) 4-Nitrophenol	14.57	139	962	3.613	ng		96
57) 2,4-Dinitrotoluene	14.70	165	2868	6.381	ng	#	94
58) Fluorene	15.37	166	11066	7.919	ng		99
59) 2,3,4,6-Tetrachlorophenol	14.95	232	2413	6.136	ng	#	92
60) Diethylphthalate	15.15	149	10748	7.411	ng		99
61) 4-Chlorophenyl-phenylether	15.36	204	5655	7.844	ng		98
62) 4-Nitroaniline	15.41	138	1878	5.530	ng		98
63) Azobenzene	15.66	77	9066	7.509	ng		98
65) 4,6-Dinitro-2-methylphenol	15.47	198	1118	7.237	ng	#	71
66) n-Nitrosodiphenylamine	15.59	169	9352	7.816	ng		99
67) 4-Bromophenyl-phenylether	16.26	248	3574	7.540	ng		95
68) Hexachlorobenzene	16.37	284	4327	7.792	ng		99
69) Atrazine	16.53	200	2997	7.011	ng		99
70) Pentachlorophenol	16.73	266	1108	3.795	ng		95
71) Phenanthrene	17.11	178	17250	8.082	ng		99
72) Anthracene	17.20	178	16413	7.726	ng		100
73) Carbazole	17.48	167	14715	7.610	ng		99
74) Di-n-butylphthalate	18.03	149	16046	6.812	ng		99
75) Fluoranthene	19.13	202	19121	7.853	ng		100
77) Benzidine	19.33	184	7402	5.703	ng		100
78) Pyrene	19.50	202	20155	7.248	ng		99
80) Butylbenzylphthalate	20.40	149	6703	5.933	ng		97
81) Benzo(a)anthracene	21.25	228	20546	7.921	ng		99
82) 3,3'-Dichlorobenzidine	21.19	252	7217	7.440	ng		100
83) Chrysene	21.30	228	19893	8.029	ng		100
84) Bis(2-ethylhexyl)phthalate	21.17	149	9987	6.388	ng		99
85) Di-n-octyl phthalate	22.05	149	17661	7.000	ng	#	97
86) Indeno(1,2,3-cd)pyrene	25.76	276	25651	9.113	ng		98
88) Benzo(b)fluoranthene	22.83	252	21127	7.471	ng		99
89) Benzo(k)fluoranthene	22.87	252	20442	7.883	ng		99
90) Benzo(a)pyrene	23.41	252	19848	7.670	ng		99
91) Dibenzo(a,h)anthracene	25.77	278	21173	8.150	ng		99
92) Benzo(g,h,i)perylene	26.46	276	20948	8.154	ng		99

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

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