Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA N\DATA\BN021518\
Data File : BN000093.D
Acq On : 15 Feb 2018 12:58
Operator : JU/SJ
Sample : J1161-03
Misc : 1 PPM MDL
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : MDL-SOIL-03-QT1-2018

Quant Time: Feb 16 09:54:42 2018
Quant Method : Z:\HPCHEM1\BNA N\METHODS\8270-BN020718.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Feb 07 18:24:45 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.46	152	281583	20.00	ng		0.00
21) Naphthalene-d8	11.30	136	1404742	20.00	ng		0.00
38) Acenaphthene-d10	15.07	164	854768	20.00	ng		-0.01
63) Phenanthrene-d10	17.79	188	1974549	20.00	ng		0.00
75) Chrysene-d12	21.90	240	2223634	20.00	ng		-0.02
86) Perylene-d12	24.39	264	2394566	20.00	ng		-0.03
System Monitoring Compounds							
5) 2-Fluorophenol	5.93	112	2331519	134.95	ng		-0.01
7) Phenol-d6	7.58	99	3352083	128.08	ng		-0.01
23) Nitrobenzene-d5	9.64	82	2255064	95.45	ng		-0.01
41) 2,4,6-Tribromophenol	16.54	330	1091645	129.02	ng		-0.01
44) 2-Fluorobiphenyl	13.70	172	6011898	99.13	ng		-0.01
78) Terphenyl-d14	20.35	244	8071330	98.01	ng		-0.01
Target Compounds							Qvalue
2) 1,4-Dioxane	3.66	88	6846	0.985	ng	#	82
3) Pyridine	4.22	79	13592m	0.628	ng		
4) n-Nitrosodimethylamine	4.02	42	4220	0.690	ng	#	69
6) Aniline	7.77	93	28846	0.800	ng	#	89
8) 2-Chlorophenol	8.01	128	20004	0.990	ng		97
9) Benzaldehyde	7.58	77	15060	0.925	ng	#	69
10) Phenol	7.61	94	26590	0.962	ng		88
11) bis(2-Chloroethyl)ether	7.86	93	22641	0.996	ng	#	78
12) 1,3-Dichlorobenzene	8.35	146	22061	0.961	ng		86
13) 1,4-Dichlorobenzene	8.50	146	23185	0.989	ng		95
14) 1,2-Dichlorobenzene	8.82	146	24084	1.044	ng		87
15) Benzyl Alcohol	8.69	79	14398	0.765	ng	#	89
16) 2,2'-oxybis(1-Chloropropan	8.99	45	22893	0.952	ng		68
17) 2-Methylphenol	8.89	107	14412	0.734	ng		98
18) Hexachloroethane	9.57	117	7396	0.906	ng	#	65
19) n-Nitroso-di-n-propylamine	9.26	70	11573	0.660	ng	#	90
20) 3+4-Methylphenols	9.21	107	17563	0.640	ng		96
22) Acetophenone	9.29	105	29813	0.757	ng	#	87
24) Nitrobenzene	9.68	77	26351	1.020	ng		95
25) Isophorone	10.20	82	34327	0.703	ng		95
26) 2-Nitrophenol	10.40	139	4806	7.579	ng		89
27) 2,4-Dimethylphenol	10.44	122	12934	0.611	ng		94
28) bis(2-Chloroethoxy)methane	10.68	93	25427	0.812	ng		99
29) 2,4-Dichlorophenol	10.93	162	9813	0.501	ng		92
30) 1,2,4-Trichlorobenzene	11.16	180	21514	0.953	ng	#	96
31) Naphthalene	11.35	128	75702	0.983	ng		97
32) Benzoic acid	10.49	122	363m	10.561	ng		
33) 4-Chloroaniline	11.45	127	23086	0.682	ng		98
34) Hexachlorobutadiene	11.63	225	10694	0.914	ng	#	73
35) Caprolactam	12.17	113	3274	4.369	ng	#	85
36) 4-Chloro-3-methylphenol	12.53	107	12829	0.516	ng		98
37) 2-Methylnaphthalene	12.93	142	46864	0.875	ng		95
39) 1,2,4,5-Tetrachlorobenzene	13.28	216	23090	0.915	ng	#	93
40) Hexachlorocyclopentadiene	13.26	237	6995	0.665	ng		84

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Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
42) 2,4,6-Trichlorophenol	13.51	196	6684	0.442	ng		97
43) 2,4,5-Trichlorophenol	13.58	196	8135	0.448	ng		88
45) 1,1'-Biphenyl	13.91	154	82838	1.100	ng		98
46) 2-Chloronaphthalene	13.96	162	53192	0.942	ng		97
47) 2-Nitroaniline	14.15	65	6673	5.240	ng		92
48) Acenaphthylene	14.80	152	61139	0.672	ng		97
49) Dimethylphthalate	14.50	163	53015	0.742	ng	#	96
50) 2,6-Dinitrotoluene	14.63	165	5263	0.357	ng		94
51) Acenaphthene	15.13	154	54866	0.926	ng		95
52) 3-Nitroaniline	14.96	138	6576	0.367	ng		92
53) 2,4-Dinitrophenol	15.16	184	1402	9.465	ng	#	60
54) Dibenzofuran	15.46	168	80782	0.963	ng		93
55) 4-Nitrophenol	15.23	139	3842	5.222	ng		86
56) 2,4-Dinitrotoluene	15.40	165	6371	4.458	ng	#	75
57) Fluorene	16.10	166	58264	0.851	ng		98
58) 2,3,4,6-Tetrachlorophenol	15.67	232	6496	0.453	ng	#	87
59) Diethylphthalate	15.85	149	47679	0.657	ng		96
60) 4-Chlorophenyl-phenylether	16.09	204	29172	0.934	ng	#	85
61) 4-Nitroaniline	16.11	138	7463	0.405	ng	#	82
62) Azobenzene	16.38	77	41869	0.579	ng		90
64) 4,6-Dinitro-2-methylphenol	16.16	198	2443	8.921	ng	#	71
65) n-Nitrosodiphenylamine	16.30	169	42368	0.659	ng		95
66) 4-Bromophenyl-phenylether	16.97	248	16001	0.852	ng	#	87
67) Hexachlorobenzene	17.10	284	18791	0.857	ng	#	91
68) Atrazine	17.22	200	10314	0.493	ng		86
69) Pentachlorophenol	17.43	266	5402	6.162	ng	#	84
70) Phenanthrene	17.83	178	112210	0.962	ng		98
71) Anthracene	17.92	178	84161	0.745	ng		96
72) Carbazole	18.18	167	76925	0.676	ng		99
73) Di-n-butylphthalate	18.71	149	56223	0.448	ng	#	98
74) Fluoranthene	19.81	202	95130	0.777	ng		97
76) Benzidine	19.97	184	18171	0.256	ng		96
77) Pyrene	20.17	202	104702	0.741	ng		100
79) Butylbenzylphthalate	21.02	149	22869	5.679	ng	#	88
80) Benzo(a)anthracene	21.89	228	112453	0.823	ng		100
81) 3,3'-Dichlorobenzidine	21.81	252	19239	0.383	ng	#	94
82) Chrysene	21.95	228	132281	0.971	ng		98
83) Bis(2-ethylhexyl)phthalate	21.78	149	30181	3.188	ng	#	92
84) Di-n-octyl phthalate	22.74	149	45011	6.933	ng	#	98
85) Indeno(1,2,3-cd)pyrene	26.93	276	128048	0.765	ng	#	87
87) Benzo(b)fluoranthene	23.63	252	117579	0.839	ng	#	97
88) Benzo(k)fluoranthene	23.68	252	107352	0.760	ng	#	93
89) Benzo(a)pyrene	24.27	252	99583	0.741	ng	#	93
90) Dibenzo(a,h)anthracene	26.96	278	107454	0.764	ng	#	92
91) Benzo(g,h,i)perylene	27.72	276	109391	0.770	ng	#	85

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

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