Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA N\DATA\BN021518\
Data File : BN000095.D
Acq On : 15 Feb 2018 14:07
Operator : JU/SJ
Sample : J1161-03
Misc : 5 PPM MDL
ALS Vial : 11 Sample Multiplier: 1

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

Quant Time: Feb 16 07:08:46 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	299174	20.00	ng		0.00
21) Naphthalene-d8	11.30	136	1529203	20.00	ng		0.00
38) Acenaphthene-d10	15.07	164	927091	20.00	ng		-0.01
63) Phenanthrene-d10	17.79	188	2083957	20.00	ng		0.00
75) Chrysene-d12	21.90	240	2350197	20.00	ng		-0.02
86) Perylene-d12	24.39	264	2519895	20.00	ng		-0.03
System Monitoring Compounds							
5) 2-Fluorophenol	5.93	112	2447759	133.34	ng		-0.01
7) Phenol-d6	7.58	99	3594290	129.26	ng		-0.01
23) Nitrobenzene-d5	9.64	82	2517774	97.89	ng		-0.01
41) 2,4,6-Tribromophenol	16.54	330	1193465	130.05	ng		-0.01
44) 2-Fluorobiphenyl	13.70	172	6522735	99.16	ng		-0.01
78) Terphenyl-d14	20.35	244	8545648	98.18	ng		-0.01
Target Compounds							Qvalue
2) 1,4-Dioxane	3.66	88	36852	4.989	ng		92
3) Pyridine	4.12	79	86688	3.770	ng		96
4) n-Nitrosodimethylamine	4.01	42	27522	4.233	ng		96
6) Aniline	7.77	93	153857	4.016	ng	#	89
8) 2-Chlorophenol	8.01	128	95701	4.458	ng		91
9) Benzaldehyde	7.58	77	56934	3.291	ng		96
10) Phenol	7.61	94	132050	4.499	ng		87
11) bis(2-Chloroethyl)ether	7.86	93	109102	4.519	ng		84
12) 1,3-Dichlorobenzene	8.35	146	113335	4.646	ng		97
13) 1,4-Dichlorobenzene	8.50	146	113504	4.557	ng		96
14) 1,2-Dichlorobenzene	8.82	146	114231	4.659	ng		94
15) Benzyl Alcohol	8.69	79	71734	3.589	ng	#	81
16) 2,2'-oxybis(1-Chloropropan	8.99	45	114231	4.471	ng		77
17) 2-Methylphenol	8.89	107	79949	3.833	ng		96
18) Hexachloroethane	9.57	117	36608	4.222	ng	#	77
19) n-Nitroso-di-n-propylamine	9.26	70	66673	3.578	ng	#	84
20) 3+4-Methylphenols	9.22	107	108920	3.734	ng		91
22) Acetophenone	9.29	105	173074	4.039	ng	#	84
24) Nitrobenzene	9.68	77	132667	4.718	ng		91
25) Isophorone	10.20	82	181606	3.416	ng		96
26) 2-Nitrophenol	10.40	139	29331	9.357	ng		95
27) 2,4-Dimethylphenol	10.44	122	78485m	3.405	ng		
28) bis(2-Chloroethoxy)methane	10.68	93	139874	4.102	ng		99
29) 2,4-Dichlorophenol	10.93	162	66211	3.104	ng		97
30) 1,2,4-Trichlorobenzene	11.16	180	109069	4.440	ng		98
31) Naphthalene	11.35	128	382705	4.565	ng		98
32) Benzoic acid	10.48	122	23410m	11.610	ng		
33) 4-Chloroaniline	11.45	127	132753	3.605	ng		94
34) Hexachlorobutadiene	11.63	225	56231	4.414	ng		94
35) Caprolactam	12.17	113	19741	5.959	ng		94
36) 4-Chloro-3-methylphenol	12.53	107	80977	2.990	ng		98
37) 2-Methylnaphthalene	12.93	142	252811	4.334	ng		95
39) 1,2,4,5-Tetrachlorobenzene	13.28	216	120267	4.395	ng	#	95
40) Hexachlorocyclopentadiene	13.26	237	37449	3.283	ng		85

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Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
42) 2,4,6-Trichlorophenol	13.52	196	46011	2.805	ng		95
43) 2,4,5-Trichlorophenol	13.57	196	56385	2.860	ng	#	89
45) 1,1'-Biphenyl	13.91	154	380145	4.656	ng		98
46) 2-Chloronaphthalene	13.96	162	270103	4.409	ng		97
47) 2-Nitroaniline	14.15	65	41458	6.951	ng		92
48) Acenaphthylene	14.80	152	392419	3.976	ng		98
49) Dimethylphthalate	14.50	163	313003	4.039	ng		99
50) 2,6-Dinitrotoluene	14.63	165	43862	2.742	ng	#	90
51) Acenaphthene	15.13	154	282878	4.403	ng		94
52) 3-Nitroaniline	14.96	138	54194	2.787	ng		95
53) 2,4-Dinitrophenol	15.15	184	10917	10.930	ng	#	68
54) Dibenzofuran	15.46	168	419077	4.606	ng		96
55) 4-Nitrophenol	15.23	139	32039	6.862	ng	#	88
56) 2,4-Dinitrotoluene	15.40	165	51653	6.242	ng	#	91
57) Fluorene	16.10	166	332380	4.473	ng		98
58) 2,3,4,6-Tetrachlorophenol	15.67	232	48124	3.093	ng	#	83
59) Diethylphthalate	15.85	149	304842	3.871	ng		95
60) 4-Chlorophenyl-phenylether	16.09	204	157105	4.640	ng		94
61) 4-Nitroaniline	16.10	138	54720	2.738	ng		97
62) Azobenzene	16.38	77	303634	3.873	ng		90
64) 4,6-Dinitro-2-methylphenol	16.16	198	19984	10.365	ng		89
65) n-Nitrosodiphenylamine	16.30	169	268473	3.959	ng		97
66) 4-Bromophenyl-phenylether	16.97	248	83165	4.197	ng	#	85
67) Hexachlorobenzene	17.09	284	100919	4.361	ng	#	86
68) Atrazine	17.22	200	64949	2.943	ng		94
69) Pentachlorophenol	17.43	266	34944	7.864	ng		96
70) Phenanthrene	17.83	178	569134	4.623	ng		100
71) Anthracene	17.92	178	490381	4.114	ng		98
72) Carbazole	18.18	167	496122	4.132	ng		96
73) Di-n-butylphthalate	18.72	149	394625	2.977	ng	#	98
74) Fluoranthene	19.81	202	553731	4.288	ng		96
76) Benzidine	19.97	184	116181	1.551	ng		96
77) Pyrene	20.16	202	624040	4.178	ng		98
79) Butylbenzylphthalate	21.02	149	139634	7.126	ng	#	90
80) Benzo(a)anthracene	21.89	228	622759	4.311	ng		99
81) 3,3'-Dichlorobenzidine	21.81	252	157660	2.971	ng	#	97
82) Chrysene	21.95	228	671733	4.666	ng		98
83) Bis(2-ethylhexyl)phthalate	21.79	149	226216	4.924	ng	#	93
84) Di-n-octyl phthalate	22.74	149	314101	8.073	ng		99
85) Indeno(1,2,3-cd)pyrene	26.94	276	736981	4.168	ng	#	86
87) Benzo(b)fluoranthene	23.63	252	638614	4.330	ng	#	96
88) Benzo(k)fluoranthene	23.68	252	628051	4.228	ng	#	95
89) Benzo(a)pyrene	24.28	252	571790	4.042	ng	#	93
90) Dibenzo(a,h)anthracene	26.95	278	619966	4.191	ng	#	92
91) Benzo(g,h,i)perylene	27.72	276	610520	4.082	ng	#	87

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

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