

Data Path : Z:\HPCHEM1\BNA N\DATA\BN021518\
 Data File : BN000096.D
 Acq On : 15 Feb 2018 14:41
 Operator : JU/SJ
 Sample : J1161-03
 Misc : 8 PPM MDL
 ALS Vial : 12 Sample Multiplier: 1

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

Quant Time: Feb 16 07:10:05 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	220486	20.00	ng	0.00
21) Naphthalene-d8	11.30	136	1132544	20.00	ng	0.00
38) Acenaphthene-d10	15.07	164	701931	20.00	ng	-0.01
63) Phenanthrene-d10	17.79	188	1649559	20.00	ng	0.00
75) Chrysene-d12	21.90	240	2051268	20.00	ng	-0.02
86) Perylene-d12	24.39	264	2275721	20.00	ng	-0.03

System Monitoring Compounds

5) 2-Fluorophenol	5.93	112	1742197	128.78	ng	-0.01
7) Phenol-d6	7.58	99	2636019	128.63	ng	-0.01
23) Nitrobenzene-d5	9.64	82	1795181	94.24	ng	-0.01
41) 2,4,6-Tribromophenol	16.54	330	908622	130.77	ng	-0.01
44) 2-Fluorobiphenyl	13.70	172	4809047	96.56	ng	-0.01
78) Terphenyl-d14	20.35	244	7080186	93.20	ng	-0.01

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.66	88	40608	7.460	ng	98
3) Pyridine	4.12	79	116963	6.902	ng	97
4) n-Nitrosodimethylamine	4.01	42	31755	6.626	ng	99
6) Aniline	7.77	93	191914	6.798	ng	# 89
8) 2-Chlorophenol	8.01	128	114520	7.239	ng	89
9) Benzaldehyde	7.58	77	64034	5.023	ng	89
10) Phenol	7.61	94	156622	7.240	ng	89
11) bis(2-Chloroethyl)ether	7.86	93	126865	7.131	ng	# 81
12) 1,3-Dichlorobenzene	8.35	146	131522	7.316	ng	96
13) 1,4-Dichlorobenzene	8.50	146	136030	7.410	ng	95
14) 1,2-Dichlorobenzene	8.82	146	135661	7.507	ng	99
15) Benzyl Alcohol	8.69	79	89667	6.088	ng	90
16) 2,2'-oxybis(1-Chloropropan	8.99	45	135716	7.207	ng	79
17) 2-Methylphenol	8.89	107	97139	6.319	ng	96
18) Hexachloroethane	9.57	117	41300	6.463	ng	# 82
19) n-Nitroso-di-n-propylamine	9.26	70	81767	5.955	ng	# 85
20) 3+4-Methylphenols	9.22	107	134837	6.272	ng	96
22) Acetophenone	9.29	105	213981	6.742	ng	# 86
24) Nitrobenzene	9.68	77	156186	7.500	ng	96
25) Isophorone	10.20	82	226913	5.763	ng	96
26) 2-Nitrophenol	10.40	139	37048	10.883	ng	94
27) 2,4-Dimethylphenol	10.44	122	99212	5.812	ng	92
28) bis(2-Chloroethoxy)methane	10.68	93	170462	6.750	ng	97
29) 2,4-Dichlorophenol	10.93	162	82125	5.198	ng	98
30) 1,2,4-Trichlorobenzene	11.16	180	129720	7.130	ng	96
31) Naphthalene	11.35	128	453303	7.301	ng	98
32) Benzoic acid	10.48	122	24732	12.065	ng	# 82
33) 4-Chloroaniline	11.45	127	168673	6.184	ng	94
34) Hexachlorobutadiene	11.63	225	65805	6.975	ng	95
35) Caprolactam	12.17	113	26700	7.561	ng	98
36) 4-Chloro-3-methylphenol	12.53	107	105609	5.265	ng	96
37) 2-Methylnaphthalene	12.93	142	305702	7.076	ng	98
39) 1,2,4,5-Tetrachlorobenzene	13.29	216	146125	7.053	ng	# 96
40) Hexachlorocyclopentadiene	13.26	237	45241	5.238	ng	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	13.51	196	57604	4.639	ng	98
43) 2,4,5-Trichlorophenol	13.58	196	79418	5.320	ng	# 90
45) 1,1'-Biphenyl	13.91	154	456645	7.387	ng	98
46) 2-Chloronaphthalene	13.96	162	330844	7.132	ng	98
47) 2-Nitroaniline	14.15	65	53516	8.412	ng	89
48) Acenaphthylene	14.80	152	494231	6.613	ng	98
49) Dimethylphthalate	14.50	163	395088	6.733	ng	98
50) 2,6-Dinitrotoluene	14.63	165	59508	4.913	ng	91
51) Acenaphthene	15.13	154	343699	7.065	ng	99
52) 3-Nitroaniline	14.96	138	74975	5.092	ng	# 95
53) 2,4-Dinitrophenol	15.16	184	14687	12.252	ng	# 23
54) Dibenzofuran	15.46	168	522521	7.584	ng	97
55) 4-Nitrophenol	15.23	139	47843	8.695	ng	# 86
56) 2,4-Dinitrotoluene	15.40	165	72156	7.981	ng	96
57) Fluorene	16.10	166	419307	7.454	ng	96
58) 2,3,4,6-Tetrachlorophenol	15.67	232	63731	5.410	ng	# 82
59) Diethylphthalate	15.85	149	392177	6.577	ng	95
60) 4-Chlorophenyl-phenylether	16.09	204	191880	7.485	ng	94
61) 4-Nitroaniline	16.10	138	80013	5.289	ng	97
62) Azobenzene	16.38	77	398721	6.717	ng	90
64) 4,6-Dinitro-2-methylphenol	16.16	198	27794	11.620	ng	92
65) n-Nitrosodiphenylamine	16.30	169	346673	6.459	ng	94
66) 4-Bromophenyl-phenylether	16.97	248	101428	6.466	ng	# 83
67) Hexachlorobenzene	17.10	284	126110	6.884	ng	# 86
68) Atrazine	17.22	200	85690	4.905	ng	93
69) Pentachlorophenol	17.43	266	49756	9.488	ng	99
70) Phenanthrene	17.83	178	721230	7.402	ng	99
71) Anthracene	17.92	178	635920	6.740	ng	98
72) Carbazole	18.18	167	664354	6.990	ng	96
73) Di-n-butylphthalate	18.72	149	543005	5.175	ng	# 97
74) Fluoranthene	19.81	202	746454	7.302	ng	95
76) Benzidine	19.97	184	175956	2.691	ng	94
77) Pyrene	20.17	202	858747	6.587	ng	99
79) Butylbenzylphthalate	21.02	149	210477	8.398	ng	# 92
80) Benzo(a)anthracene	21.89	228	897172	7.116	ng	96
81) 3,3'-Dichlorobenzidine	21.81	252	244861	5.288	ng	# 96
82) Chrysene	21.94	228	938219	7.467	ng	98
83) Bis(2-ethylhexyl)phthalate	21.79	149	373863	6.730	ng	# 93
84) Di-n-octyl phthalate	22.74	149	536643	9.371	ng	97
85) Indeno(1,2,3-cd)pyrene	26.94	276	1154077	7.477	ng	# 87
87) Benzo(b)fluoranthene	23.63	252	946866	7.108	ng	# 94
88) Benzo(k)fluoranthene	23.68	252	939805	7.005	ng	# 95
89) Benzo(a)pyrene	24.28	252	868087	6.796	ng	# 92
90) Dibenzo(a,h)anthracene	26.96	278	973515	7.288	ng	# 93
91) Benzo(g,h,i)perylene	27.73	276	970442	7.184	ng	# 88

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

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