

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022122\
 Data File : BF126970.D
 Acq On : 21 Feb 2022 13:34
 Operator : CG\JU
 Sample : M4068-03
 Misc : MDL-MDL-SOIL 4ppm
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT4-2021

Quant Time: Feb 21 14:10:16 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF021622.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 21 13:16:57 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Christian Giraldo 02/22/2022
 Supervised By : Jagrut Upadhyay 02/22/2022

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.922	152	96651	20.000	ng	0.00
21) Naphthalene-d8	8.204	136	386113	20.000	ng	# 0.00
39) Acenaphthene-d10	9.957	164	204833	20.000	ng	0.00
64) Phenanthrene-d10	11.451	188	374663	20.000	ng	# 0.00
76) Chrysene-d12	14.092	240	295192	20.000	ng	# 0.00
86) Perylene-d12	15.592	264	270117	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.545	112	894612	143.060	ng	0.00
7) Phenol-d6	6.551	99	1211687	143.598	ng	0.00
23) Nitrobenzene-d5	7.486	82	686942	80.305	ng	0.00
42) 2,4,6-Tribromophenol	10.751	330	375438	159.194	ng	0.00
45) 2-Fluorobiphenyl	9.280	172	1118214	80.367	ng	0.00
79) Terphenyl-d14	13.039	244	1408518	70.143	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.734	88	10555	3.689	ng	93
3) Pyridine	3.575	79	25617	3.413	ng	89
4) n-Nitrosodimethylamine	3.457	42	12775	3.475	ng	# 70
6) Aniline	6.587	93	41403	4.141	ng	95
8) 2-Chlorophenol	6.704	128	25281	3.768	ng	87
9) Benzaldehyde	6.475	77	23957	4.664	ng	99
10) Phenol	6.557	94	32461	3.807	ng	# 55
11) bis(2-Chloroethyl)ether	6.657	93	25431	3.803	ng	98
12) 1,3-Dichlorobenzene	6.863	146	27993	3.868	ng	96
13) 1,4-Dichlorobenzene	6.939	146	27362	3.729	ng	98
14) 1,2-Dichlorobenzene	7.092	146	26465	3.782	ng	95
15) Benzyl Alcohol	7.057	79	35180m	4.949	ng	
16) 2,2'-oxybis(1-Chloropr...	7.192	45	36430	3.460	ng	98
17) 2-Methylphenol	7.157	107	21783	3.752	ng	# 91
18) Hexachloroethane	7.434	117	10671	3.794	ng	# 92
19) n-Nitroso-di-n-propyla...	7.322	70	20959	3.855	ng	# 97
20) 3+4-Methylphenols	7.310	107	28458	3.775	ng	# 73
22) Acetophenone	7.322	105	41999	4.131	ng	98
24) Nitrobenzene	7.498	77	32809	4.060	ng	# 95
25) Isophorone	7.733	82	56226	3.972	ng	# 97
26) 2-Nitrophenol	7.816	139	12676	3.684	ng	# 86
27) 2,4-Dimethylphenol	7.845	122	23917	4.231	ng	92
28) bis(2-Chloroethoxy)met...	7.945	93	31412	3.660	ng	98
29) 2,4-Dichlorophenol	8.051	162	19407	3.652	ng	96
30) 1,2,4-Trichlorobenzene	8.139	180	22346	3.761	ng	99
31) Naphthalene	8.222	128	79482	3.943	ng	98
32) Benzoic acid	7.898	122	8307	2.072	ng	91
33) 4-Chloroaniline	8.269	127	31596	3.983	ng	97
34) Hexachlorobutadiene	8.333	225	13202	3.806	ng	95
35) Caprolactam	8.604	113	6393	3.445	ng	# 86
36) 4-Chloro-3-methylphenol	8.739	107	26420	3.890	ng	93
37) 2-Methylnaphthalene	8.916	142	49641	3.796	ng	93
38) 1-Methylnaphthalene	9.016	142	49128	3.923	ng	96
40) 1,2,4,5-Tetrachloroben...	9.075	216	21178	3.928	ng	98
41) Hexachlorocyclopentadiene	9.063	237	9379	3.207	ng	96
43) 2,4,6-Trichlorophenol	9.186	196	14407	3.643	ng	91

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44) 2,4,5-Trichlorophenol	9.228	196	14610	3.511	ng	91
46) 1,1'-Biphenyl	9.375	154	66335	4.088	ng	97
47) 2-Chloronaphthalene	9.404	162	45450	3.777	ng	95
48) 2-Nitroaniline	9.498	65	16132	3.397	ng	95
49) Acenaphthylene	9.822	152	77320	3.955	ng	97
50) Dimethylphthalate	9.669	163	54765	3.740	ng	99
51) 2,6-Dinitrotoluene	9.733	165	11069	3.716	ng	# 85
52) Acenaphthene	9.992	154	48073	3.781	ng	99
53) 3-Nitroaniline	9.904	138	12790	3.513	ng	# 99
54) 2,4-Dinitrophenol	10.010	184	3586	2.274	ng	96
55) Dibenzofuran	10.163	168	67432	3.857	ng	94
56) 4-Nitrophenol	10.057	139	9301	3.458	ng	# 86
57) 2,4-Dinitrotoluene	10.139	165	14265	3.542	ng	# 91
58) Fluorene	10.504	166	53198	3.907	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.275	232	11305	3.427	ng	97
60) Diethylphthalate	10.374	149	57254	3.742	ng	99
61) 4-Chlorophenyl-phenyle...	10.498	204	24823	3.866	ng	98
62) 4-Nitroaniline	10.516	138	12894	3.586	ng	# 82
63) Azobenzene	10.657	77	62185	3.650	ng	96
65) 4,6-Dinitro-2-methylph...	10.545	198	5828	2.647	ng	93
66) n-Nitrosodiphenylamine	10.616	169	45859	3.733	ng	99
67) 4-Bromophenyl-phenylether	10.986	248	14920	3.564	ng	# 85
68) Hexachlorobenzene	11.051	284	16717	3.710	ng	# 92
69) Atrazine	11.133	200	14693	3.856	ng	96
70) Pentachlorophenol	11.245	266	7415	3.014	ng	97
71) Phenanthrene	11.469	178	82159	3.918	ng	99
72) Anthracene	11.521	178	81304	3.895	ng	98
73) Carbazole	11.674	167	69936	3.653	ng	97
74) Di-n-butylphthalate	12.004	149	87595	3.559	ng	100
75) Fluoranthene	12.663	202	80858	4.061	ng	91
77) Benzidine	12.780	184	38062	4.745	ng	98
78) Pyrene	12.892	202	82983	3.236	ng	99
80) Butylbenzylphthalate	13.504	149	36564	3.012	ng	94
81) Benzo(a)anthracene	14.080	228	73049	3.671	ng	100
82) 3,3'-Dichlorobenzidine	14.039	252	24251	3.867	ng	95
83) Chrysene	14.115	228	67948	3.631	ng	97
84) Bis(2-ethylhexyl)phtha...	14.063	149	50776	3.185	ng	# 96
85) Di-n-octyl phthalate	14.674	149	80061	3.488	ng	97
87) Indeno(1,2,3-cd)pyrene	17.103	276	53198	3.004	ng	# 87
88) Benzo(b)fluoranthene	15.139	252	63925	3.524	ng	# 96
89) Benzo(k)fluoranthene	15.174	252	64696	3.697	ng	# 93
90) Benzo(a)pyrene	15.521	252	59619	4.207	ng	# 93
91) Dibenzo(a,h)anthracene	17.121	278	46273	3.159	ng	# 90
92) Benzo(g,h,i)perylene	17.562	276	42484	2.942	ng	# 86

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

