

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101922\
 Data File : BF130718.D
 Acq On : 19 Oct 2022 19:00
 Operator : CG\JU
 Sample : N5133-02MSD
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HAS-SOIL-1013MSD

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 10/20/2022
 Supervised By : mohammad ahmed 10/20/2022

Quant Time: Oct 20 02:46:01 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101122.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 18 03:15:54 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.569	152	92798	20.000	ng	0.00
21) Naphthalene-d8	7.851	136	346757	20.000	ng	0.00
39) Acenaphthene-d10	9.604	164	169943	20.000	ng	0.00
64) Phenanthrene-d10	11.080	188	348606	20.000	ng	0.00
76) Chrysene-d12	13.716	240	173110	20.000	ng	0.00
86) Perylene-d12	15.086	264	140128	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.193	112	602214	116.976	ng	0.02
7) Phenol-d6	6.234	99	676190	104.468	ng	0.00
23) Nitrobenzene-d5	7.145	82	410511	64.628	ng	0.00
42) 2,4,6-Tribromophenol	10.392	330	249106	149.804	ng	0.00
45) 2-Fluorobiphenyl	8.928	172	908984	81.020	ng	-0.01
79) Terphenyl-d14	12.663	244	855844	82.056	ng	-0.01
Target Compounds						
2) 1,4-Dioxane	2.305	88	101680	32.646	ng	Qvalue # 85
3) Pyridine	2.963	79	161920	29.063	ng	96
4) n-Nitrosodimethylamine	2.887	42	107686	41.023	ng	94
6) Aniline	6.240	93	119831	15.464	ng	# 25
8) 2-Chlorophenol	6.363	128	281141	46.437	ng	98
9) Benzaldehyde	6.128	77	84751	20.841	ng	98
10) Phenol	6.245	94	281804	37.628	ng	80
11) bis(2-Chloroethyl)ether	6.316	93	277910	51.085	ng	96
12) 1,3-Dichlorobenzene	6.510	146	271382	40.939	ng	97
13) 1,4-Dichlorobenzene	6.587	146	294614	43.809	ng	98
14) 1,2-Dichlorobenzene	6.740	146	252695	40.347	ng	98
15) Benzyl Alcohol	6.740	79	180498	38.841	ng	97
16) 2,2'-oxybis(1-Chloropr...	6.857	45	277412	39.636	ng	# 43
17) 2-Methylphenol	6.851	107	212999	44.228	ng	# 92
18) Hexachloroethane	7.075	117	105472	41.458	ng	98
19) n-Nitroso-di-n-propyla...	6.998	70	181533	43.470	ng	98
20) 3+4-Methylphenols	7.010	107	284724	44.121	ng	# 80
22) Acetophenone	6.992	105	388983	46.763	ng	94
24) Nitrobenzene	7.163	77	240258	37.612	ng	97
25) Isophorone	7.404	82	494240	46.751	ng	99
26) 2-Nitrophenol	7.481	139	154639	49.364	ng	99
27) 2,4-Dimethylphenol	7.528	122	221306	50.687	ng	99
28) bis(2-Chloroethoxy)met...	7.616	93	282509	46.151	ng	99
29) 2,4-Dichlorophenol	7.728	162	215490	44.113	ng	97
30) 1,2,4-Trichlorobenzene	7.792	180	210404	39.953	ng	98
31) Naphthalene	7.875	128	757925	42.225	ng	99
32) Benzoic acid	7.698	122	113387	41.050	ng	96
33) 4-Chloroaniline	7.939	127	159227	22.900	ng	97
34) Hexachlorobutadiene	7.987	225	130948	40.062	ng	98
35) Caprolactam	8.322	113	52664m	35.832	ng	
36) 4-Chloro-3-methylphenol	8.439	107	206898	39.047	ng	97
37) 2-Methylnaphthalene	8.563	142	467765	41.411	ng	99
38) 1-Methylnaphthalene	8.663	142	491004	44.777	ng	99
40) 1,2,4,5-Tetrachloroben...	8.728	216	232498	50.425	ng	98
41) Hexachlorocyclopentadiene	8.710	237	106287	62.765	ng	98
43) 2,4,6-Trichlorophenol	8.857	196	147323	47.587	ng	100

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44) 2,4,5-Trichlorophenol	8.904	196	165753	48.685	ng	97
46) 1,1'-Biphenyl	9.028	154	576150	46.781	ng	99
47) 2-Chloronaphthalene	9.051	162	470991	46.791	ng	99
48) 2-Nitroaniline	9.163	65	161897	53.430	ng	92
49) Acenaphthylene	9.463	152	632417	41.932	ng	99
50) Dimethylphthalate	9.339	163	593670	50.465	ng	100
51) 2,6-Dinitrotoluene	9.410	165	112772	43.702	ng	# 86
52) Acenaphthene	9.633	154	385378	42.174	ng	99
53) 3-Nitroaniline	9.581	138	85570	30.251	ng	91
54) 2,4-Dinitrophenol	9.698	184	107872	81.909	ng	97
55) Dibenzofuran	9.810	168	601090	43.181	ng	99
56) 4-Nitrophenol	9.769	139	64247	41.193	ng	96
57) 2,4-Dinitrotoluene	9.816	165	151668	45.732	ng	# 74
58) Fluorene	10.151	166	549653	48.028	ng	98
59) 2,3,4,6-Tetrachlorophenol	9.939	232	117232	43.191	ng	96
60) Diethylphthalate	10.033	149	527247	44.920	ng	99
61) 4-Chlorophenyl-phenyle...	10.145	204	251339	48.577	ng	94
62) 4-Nitroaniline	10.192	138	123018	45.551	ng	97
63) Azobenzene	10.304	77	526756	47.648	ng	97
65) 4,6-Dinitro-2-methylph...	10.222	198	90741	41.653	ng	89
66) n-Nitrosodiphenylamine	10.269	169	469452	40.484	ng	99
67) 4-Bromophenyl-phenylether	10.628	248	166983	42.334	ng	96
68) Hexachlorobenzene	10.692	284	190284	42.675	ng	94
69) Atrazine	10.804	200	142811	45.227	ng	98
70) Pentachlorophenol	10.904	266	126143	72.688	ng	97
71) Phenanthrene	11.104	178	811164	41.999	ng	99
72) Anthracene	11.157	178	762866	40.443	ng	100
73) Carbazole	11.322	167	652906	38.790	ng	99
74) Di-n-butylphthalate	11.651	149	875277	42.930	ng	99
75) Fluoranthene	12.292	202	780299	42.036	ng	99
77) Benzidine	12.427	184	54193	12.385	ng	97
78) Pyrene	12.516	202	770781	51.611	ng	99
80) Butylbenzylphthalate	13.139	149	250816	43.676	ng	96
81) Benzo(a)anthracene	13.704	228	488986	41.921	ng	99
82) 3,3'-Dichlorobenzidine	13.674	252	123540	36.651	ng	# 95
83) Chrysene	13.739	228	458653	41.472	ng	99
84) Bis(2-ethylhexyl)phtha...	13.698	149	299592	43.033	ng	98
85) Di-n-octyl phthalate	14.310	149	400940	37.604	ng	99
87) Indeno(1,2,3-cd)pyrene	16.380	276	449029	42.813	ng	98
88) Benzo(b)fluoranthene	14.710	252	388166	43.746	ng	99
89) Benzo(k)fluoranthene	14.733	252	392540	43.447	ng	98
90) Benzo(a)pyrene	15.033	252	338833	45.881	ng	99
91) Dibenzo(a,h)anthracene	16.386	278	390281	45.397	ng	99
92) Benzo(g,h,i)perylene	16.768	276	389034	48.586	ng	97

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

