

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091522\
 Data File : BF130274.D
 Acq On : 15 Sep 2022 16:42
 Operator : CG\JU
 Sample : N4600-02MS
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OH-SOIL-0913MS

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 09/16/2022
 Supervised By : Jagrut Upadhyay 09/16/2022

Quant Time: Sep 16 03:29:52 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091422.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 14 14:55:51 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.675	152	103285	20.000	ng	0.00
21) Naphthalene-d8	7.957	136	399739	20.000	ng	0.00
39) Acenaphthene-d10	9.710	164	209023	20.000	ng	0.00
64) Phenanthrene-d10	11.192	188	349547	20.000	ng	0.00
76) Chrysene-d12	13.816	240	181547	20.000	ng	0.00
86) Perylene-d12	15.210	264	166587	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.299	112	741556	124.529	ng	0.02
7) Phenol-d6	6.316	99	845339	113.454	ng	0.00
23) Nitrobenzene-d5	7.245	82	653876	83.568	ng	0.00
42) 2,4,6-Tribromophenol	10.498	330	310003	154.782	ng	0.00
45) 2-Fluorobiphenyl	9.039	172	1208740	84.209	ng	0.00
79) Terphenyl-d14	12.775	244	1096910	100.085	ng	0.00
Target Compounds						
2) 1,4-Dioxane	2.516	88	100405	36.713	ng	Qvalue # 84
3) Pyridine	3.175	79	216843	30.395	ng	97
4) n-Nitrosodimethylamine	3.099	42	151399	39.019	ng	100
6) Aniline	6.340	93	142228	15.492	ng	# 85
8) 2-Chlorophenol	6.457	128	298675	44.030	ng	99
9) Benzaldehyde	6.228	77	166659	33.392	ng	96
10) Phenol	6.328	94	308779	35.363	ng	98
11) bis(2-Chloroethyl)ether	6.422	93	278240	44.179	ng	94
12) 1,3-Dichlorobenzene	6.616	146	307942	41.257	ng	99
13) 1,4-Dichlorobenzene	6.693	146	318545	41.851	ng	99
14) 1,2-Dichlorobenzene	6.845	146	305026	42.899	ng	98
15) Benzyl Alcohol	6.828	79	188617	31.928	ng	95
16) 2,2'-oxybis(1-Chloropr...	6.957	45	378112	41.162	ng	91
17) 2-Methylphenol	6.940	107	267429	48.498	ng	98
18) Hexachloroethane	7.187	117	122406	40.798	ng	98
19) n-Nitroso-di-n-propyla...	7.098	70	221232	44.002	ng	94
20) 3+4-Methylphenols	7.093	107	304780	42.547	ng	94
22) Acetophenone	7.093	105	448043	45.845	ng	# 97
24) Nitrobenzene	7.263	77	333513	41.978	ng	96
25) Isophorone	7.504	82	594467	47.138	ng	99
26) 2-Nitrophenol	7.575	139	158500	48.666	ng	98
27) 2,4-Dimethylphenol	7.622	122	265164	52.877	ng	97
28) bis(2-Chloroethoxy)met...	7.716	93	350136	49.307	ng	99
29) 2,4-Dichlorophenol	7.822	162	250896	45.656	ng	95
30) 1,2,4-Trichlorobenzene	7.898	180	253741	42.708	ng	96
31) Naphthalene	7.981	128	885202	42.983	ng	99
32) Benzoic acid	7.740	122	161383m	41.615	ng	
33) 4-Chloroaniline	8.034	127	52441	6.695	ng	96
34) Hexachlorobutadiene	8.098	225	160926	42.382	ng	99
35) Caprolactam	8.404	113	64864m	41.173	ng	
36) 4-Chloro-3-methylphenol	8.522	107	283721	46.579	ng	99
37) 2-Methylnaphthalene	8.675	142	583180	44.414	ng	100
38) 1-Methylnaphthalene	8.769	142	550982	43.681	ng	99
40) 1,2,4,5-Tetrachloroben...	8.839	216	262292	45.981	ng	99
41) Hexachlorocyclopentadiene	8.828	237	334893	109.655	ng	100
43) 2,4,6-Trichlorophenol	8.951	196	178775	44.906	ng	97

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44) 2,4,5-Trichlorophenol	8.992	196	193973	45.151	ng	98
46) 1,1'-Biphenyl	9.139	154	712871	45.665	ng	97
47) 2-Chloronaphthalene	9.157	162	554858	43.938	ng	99
48) 2-Nitroaniline	9.263	65	186621	44.308	ng	88
49) Acenaphthylene	9.575	152	840159	44.373	ng	100
50) Dimethylphthalate	9.445	163	652217	45.172	ng	99
51) 2,6-Dinitrotoluene	9.504	165	143907	47.657	ng	89
52) Acenaphthene	9.745	154	607885m	48.865	ng	
53) 3-Nitroaniline	9.669	138	70196	20.862	ng	94
54) 2,4-Dinitrophenol	9.775	184	138472	84.181	ng	97
55) Dibenzofuran	9.916	168	762383	44.060	ng	99
56) 4-Nitrophenol	9.834	139	198338	80.931	ng	95
57) 2,4-Dinitrotoluene	9.904	165	191509	49.625	ng	97
58) Fluorene	10.257	166	625139	44.176	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.034	232	152625	45.389	ng	96
60) Diethylphthalate	10.145	149	646626	44.660	ng	99
61) 4-Chlorophenyl-phenyle...	10.251	204	285350	45.966	ng	94
62) 4-Nitroaniline	10.286	138	138788	41.060	ng	96
63) Azobenzene	10.416	77	621975	41.718	ng	95
65) 4,6-Dinitro-2-methylph...	10.310	198	87122	44.774	ng	87
66) n-Nitrosodiphenylamine	10.375	169	523269	44.797	ng	100
67) 4-Bromophenyl-phenylether	10.739	248	179294	46.497	ng	94
68) Hexachlorobenzene	10.798	284	203119	46.468	ng	92
69) Atrazine	10.904	200	173767	50.905	ng	98
70) Pentachlorophenol	10.992	266	216289	92.198	ng	99
71) Phenanthrene	11.216	178	865460	44.100	ng	99
72) Anthracene	11.269	178	859591	45.388	ng	99
73) Carbazole	11.428	167	762956	44.639	ng	99
74) Di-n-butylphthalate	11.763	149	940527	45.633	ng	99
75) Fluoranthene	12.398	202	807732	42.594	ng	97
77) Benzidine	12.522	184	104157	19.764	ng	99
78) Pyrene	12.627	202	792917	49.926	ng	99
80) Butylbenzylphthalate	13.251	149	306860	52.155	ng	100
81) Benzo(a)anthracene	13.810	228	540751	44.774	ng	99
82) 3,3'-Dichlorobenzidine	13.774	252	106304	32.335	ng	98
83) Chrysene	13.845	228	504825	44.022	ng	99
84) Bis(2-ethylhexyl)phtha...	13.810	149	355972	52.821	ng	100
85) Di-n-octyl phthalate	14.421	149	473410	45.928	ng	97
87) Indeno(1,2,3-cd)pyrene	16.539	276	577157	48.856	ng	99
88) Benzo(b)fluoranthene	14.816	252	501580	46.131	ng	100
89) Benzo(k)fluoranthene	14.845	252	446660	41.760	ng	99
90) Benzo(a)pyrene	15.151	252	422221	49.015	ng	99
91) Dibenzo(a,h)anthracene	16.562	278	498693	51.459	ng	99
92) Benzo(g,h,i)perylene	16.945	276	498788	51.093	ng	97

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

