

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092223\
 Data File : BF135394.D
 Acq On : 22 Sep 2023 11:31
 Operator : CG\JU
 Sample : PB155676BS
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB155676BS

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 09/25/2023
 Supervised By :mohammad ahmed 09/27/2023

Quant Time: Sep 23 04:39:34 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 12 00:19:07 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.757	152	147400	20.000	ng	0.00
21) Naphthalene-d8	8.039	136	563150	20.000	ng	0.00
39) Acenaphthene-d10	9.798	164	276265	20.000	ng	0.00
64) Phenanthrene-d10	11.292	188	511338	20.000	ng	0.00
76) Chrysene-d12	13.945	240	256252	20.000	ng	0.00
86) Perylene-d12	15.410	264	268980	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.404	112	1066404	117.670	ng	0.02
7) Phenol-d6	6.410	99	1330167	115.428	ng	0.00
23) Nitrobenzene-d5	7.328	82	856531	82.633	ng	0.00
42) 2,4,6-Tribromophenol	10.592	330	293143	106.776	ng	0.00
45) 2-Fluorobiphenyl	9.122	172	1365566	74.575	ng	0.00
79) Terphenyl-d14	12.886	244	1314047	79.493	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.552	88	161384	40.621	ng	94
3) Pyridine	3.305	79	417312	39.028	ng	98
4) n-Nitrosodimethylamine	3.263	42	252299	44.465	ng	91
6) Aniline	6.428	93	411811	27.252	ng	# 62
8) 2-Chlorophenol	6.545	128	437939	45.267	ng	99
9) Benzaldehyde	6.316	77	124226	18.923	ng	99
10) Phenol	6.422	94	496413	39.285	ng	88
11) bis(2-Chloroethyl)ether	6.504	93	427171	45.067	ng	97
12) 1,3-Dichlorobenzene	6.698	146	426452	43.374	ng	98
13) 1,4-Dichlorobenzene	6.775	146	433994	43.386	ng	99
14) 1,2-Dichlorobenzene	6.928	146	412152	44.367	ng	96
15) Benzyl Alcohol	6.910	79	348083	42.093	ng	95
16) 2,2'-oxybis(1-Chloropr...	7.040	45	775622	43.413	ng	93
17) 2-Methylphenol	7.022	107	353605	41.419	ng	97
18) Hexachloroethane	7.263	117	162672	44.012	ng	92
19) n-Nitroso-di-n-propyla...	7.175	70	271366	38.018	ng	92
20) 3+4-Methylphenols	7.181	107	393929	38.373	ng	# 75
22) Acetophenone	7.169	105	540132	41.952	ng	# 95
24) Nitrobenzene	7.345	77	450135	43.936	ng	100
25) Isophorone	7.581	82	820989	43.133	ng	98
26) 2-Nitrophenol	7.657	139	226970	46.159	ng	99
27) 2,4-Dimethylphenol	7.704	122	331874	40.153	ng	96
28) bis(2-Chloroethoxy)met...	7.792	93	508509	44.636	ng	99
29) 2,4-Dichlorophenol	7.904	162	338062	44.141	ng	98
30) 1,2,4-Trichlorobenzene	7.981	180	351480	43.908	ng	100
31) Naphthalene	8.063	128	1176221	42.988	ng	99
32) Benzoic acid	7.845	122	257425	41.362	ng	98
33) 4-Chloroaniline	8.116	127	251807	20.976	ng	98
34) Hexachlorobutadiene	8.175	225	197141	40.843	ng	98
35) Caprolactam	8.492	113	117065m	45.544	ng	
36) 4-Chloro-3-methylphenol	8.610	107	366005	42.999	ng	96
37) 2-Methylnaphthalene	8.751	142	726036	39.475	ng	99
38) 1-Methylnaphthalene	8.851	142	693816	40.292	ng	99
40) 1,2,4,5-Tetrachloroben...	8.922	216	338093	42.242	ng	99
41) Hexachlorocyclopentadiene	8.904	237	220045	64.020	ng	95
43) 2,4,6-Trichlorophenol	9.039	196	224862	42.910	ng	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.086	196	242239	40.140	ng	98
46) 1,1'-Biphenyl	9.222	154	894358	42.126	ng	99
47) 2-Chloronaphthalene	9.245	162	682131	44.283	ng	99
48) 2-Nitroaniline	9.345	65	267425	44.687	ng	95
49) Acenaphthylene	9.657	152	1113531	43.497	ng	100
50) Dimethylphthalate	9.528	163	786265	42.095	ng	99
51) 2,6-Dinitrotoluene	9.592	165	178429	43.606	ng	91
52) Acenaphthene	9.833	154	637151	42.131	ng	99
53) 3-Nitroaniline	9.763	138	142991	29.771	ng	94
54) 2,4-Dinitrophenol	9.881	184	174711	75.587	ng	96
55) Dibenzofuran	10.004	168	918715	39.809	ng	99
56) 4-Nitrophenol	9.945	139	238321	78.071	ng	93
57) 2,4-Dinitrotoluene	10.004	165	204031	39.830	ng	# 87
58) Fluorene	10.351	166	720589	40.616	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.128	232	195164	42.041	ng	97
60) Diethylphthalate	10.228	149	768673	41.006	ng	99
61) 4-Chlorophenyl-phenyle...	10.339	204	328043	38.492	ng	97
62) 4-Nitroaniline	10.381	138	198189	42.926	ng	96
63) Azobenzene	10.504	77	793342	43.243	ng	99
65) 4,6-Dinitro-2-methylph...	10.416	198	119294	43.925	ng	89
66) n-Nitrosodiphenylamine	10.463	169	676788	43.719	ng	100
67) 4-Bromophenyl-phenylether	10.833	248	213613	42.003	ng	99
68) Hexachlorobenzene	10.898	284	228193	44.043	ng	# 92
69) Atrazine	10.998	200	210863	50.623	ng	99
70) Pentachlorophenol	11.098	266	214769	69.284	ng	98
71) Phenanthrene	11.316	178	1072473	44.346	ng	99
72) Anthracene	11.369	178	1089340	43.821	ng	100
73) Carbazole	11.528	167	1054391	46.594	ng	99
74) Di-n-butylphthalate	11.857	149	1192316	44.714	ng	100
75) Fluoranthene	12.510	202	1110660	44.075	ng	98
77) Benzidine	12.633	184	368318	70.159	ng	100
78) Pyrene	12.739	202	1138720	46.674	ng	100
80) Butylbenzylphthalate	13.363	149	424047	49.366	ng	96
81) Benzo(a)anthracene	13.933	228	728752	44.042	ng	99
82) 3,3'-Dichlorobenzidine	13.898	252	169883	32.869	ng	# 96
83) Chrysene	13.974	228	726364	44.152	ng	99
84) Bis(2-ethylhexyl)phtha...	13.927	149	451212	51.189	ng	97
85) Di-n-octyl phthalate	14.545	149	690285	49.277	ng	99
87) Indeno(1,2,3-cd)pyrene	16.898	276	806351	45.722	ng	96
88) Benzo(b)fluoranthene	14.986	252	636684	43.726	ng	# 98
89) Benzo(k)fluoranthene	15.015	252	606091	42.138	ng	98
90) Benzo(a)pyrene	15.351	252	595090	42.856	ng	99
91) Dibenzo(a,h)anthracene	16.915	278	649495	45.010	ng	99
92) Benzo(g,h,i)perylene	17.351	276	688171	45.664	ng	97

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

Reviewed By :Yogesh Patel 09/25/2023
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TIC: BF135394.D\data.ms

Abundance

Time-->

1,4-Dioxane

n-Propylamine

2-Fluorophenol, S

Phenol, C

Phenol, S

Bis(2-Chloroethyl)ether

2-Chlorophenol, C

Aniline

1,3-Dichlorobenzene, C

1,4-Dichlorobenzene, C

2,2-Dichloropropane, C

2,2-Dichloroethane, C

Hexachlorocyclopentadiene, C

Nitrobenzene, S

2-Nitrophenol, C

4-Nitrophenol, C

2,4-Dinitrophenol, C

2,6-Dinitrophenol, C

2,4,6-Trinitrophenol, C

Hexachlorocyclobutadiene, C

4-Chloroaniline, C

Naphthalene, C

2-Nitroaniline, C

4-Chloro-3-methylphenol, C

4-Chloroaniline, C

2-Nitroaniline, C

2,4-Dinitrophenol, C

2,6-Dinitrophenol, C

2,4,6-Trinitrophenol, C

2,3,4,6-Tetrachlorophenol, C

Diethylphthalate, C

4-Nitrophenol, C

Acenaphthylene, C

Acenaphthene, C

2-Chloronaphthalene, C

2-Methylnaphthalene, C

1-Methylnaphthalene, C

2-Fluorobiphenyl, S

2,4-Dichlorophenylphenylether, C

2,4,6-Trichlorophenylphenylether, C

2,4-Dichlorophenylamine, C

2,4,6-Trichlorophenylamine, C

4-Bromobiphenyl, C

4-Bromophenylphenylether, C

4-Bromophenylamine, C

Phenanthrene, C

Carbazole, C

Di-n-butylphthalate, C

Fluoranthene, C

Pyrene, C

Terphenyl, S

3,3'-Dichlorobenzidine, C

Chrysene, C

Benzo(a)anthracene, C

Di-n-octyl phthalate, C

Benzo(b)fluoranthene, C

Benzo(k)fluoranthene, C

Benzo(a)pyrene, C

Perylene, C

Indeno(1,2,3-cd)pyrene, C

Benzo(g,h,i)perylene, C