

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091823\
 Data File : BF135316.D
 Acq On : 18 Sep 2023 20:17
 Operator : CG\JU
 Sample : 04399-02MSD
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 72-11930MSD

Manual Integrations
 APPROVED

Reviewed By :Yogesh
 Patel

09/19/2023
 Supervised By :mohammad
 ahmed

Quant Time: Sep 19 00:15:53 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	115818	20.000	ng	0.00
21) Naphthalene-d8	8.039	136	434584	20.000	ng	0.00
39) Acenaphthene-d10	9.798	164	210660	20.000	ng	0.00
64) Phenanthrene-d10	11.286	188	363910	20.000	ng	0.00
76) Chrysene-d12	13.945	240	176001	20.000	ng	0.00
86) Perylene-d12	15.404	264	243518	20.000	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.410	112	901212	126.558	ng	0.02
7) Phenol-d6	6.410	99	1066232	117.755	ng	0.00
23) Nitrobenzene-d5	7.328	82	793860	99.244	ng	0.00
42) 2,4,6-Tribromophenol	10.592	330	274294	131.025	ng	0.00
45) 2-Fluorobiphenyl	9.122	172	1356022	97.117	ng	0.00
79) Terphenyl-d14	12.880	244	984487	86.712	ng	-0.01

Target Compounds						Qvalue
2) 1,4-Dioxane	2.681	88	137209	43.954	ng	# 82
3) Pyridine	3.404	79	302817	36.043	ng	98
4) n-Nitrosodimethylamine	3.334	42	238335	53.458	ng	92
6) Aniline	6.428	93	222641	18.751	ng	# 10
8) 2-Chlorophenol	6.551	128	390586	51.382	ng	96
9) Benzaldehyde	6.316	77	31976	6.199	ng	98
10) Phenol	6.422	94	397624	40.047	ng	97
11) bis(2-Chloroethyl)ether	6.504	93	372521	50.018	ng	98
12) 1,3-Dichlorobenzene	6.698	146	364780	47.218	ng	98
13) 1,4-Dichlorobenzene	6.775	146	373113	47.471	ng	99
14) 1,2-Dichlorobenzene	6.928	146	351191	48.114	ng	98
15) Benzyl Alcohol	6.910	79	340640	52.426	ng	96
16) 2,2'-oxybis(1-Chloropr...	7.039	45	715460	50.965	ng	94
17) 2-Methylphenol	7.022	107	298760	44.537	ng	95
18) Hexachloroethane	7.263	117	143431	49.388	ng	92
19) n-Nitroso-di-n-propyla...	7.181	70	257635	45.937	ng	93
20) 3+4-Methylphenols	7.175	107	346771	42.990	ng	89
22) Acetophenone	7.169	105	510175	51.348	ng	# 96
24) Nitrobenzene	7.345	77	411100	51.997	ng	99
25) Isophorone	7.586	82	761734	51.860	ng	100
26) 2-Nitrophenol	7.657	139	201261	53.039	ng	95
27) 2,4-Dimethylphenol	7.698	122	305737	47.935	ng	99
28) bis(2-Chloroethoxy)met...	7.792	93	474875	54.016	ng	99
29) 2,4-Dichlorophenol	7.904	162	312625	52.896	ng	97
30) 1,2,4-Trichlorobenzene	7.980	180	321622	52.064	ng	99
31) Naphthalene	8.063	128	1078358	51.070	ng	100
32) Benzoic acid	7.845	122	248655	51.772	ng	96
33) 4-Chloroaniline	8.110	127	130047	14.038	ng	97
34) Hexachlorobutadiene	8.175	225	184321	49.484	ng	99
35) Caprolactam	8.492	113	90651m	45.702	ng	
36) 4-Chloro-3-methylphenol	8.610	107	343385	52.276	ng	97
37) 2-Methylnaphthalene	8.751	142	685571	48.302	ng	99
38) 1-Methylnaphthalene	8.851	142	659380	49.620	ng	99
40) 1,2,4,5-Tetrachloroben...	8.916	216	328568	53.837	ng	99
41) Hexachlorocyclopentadiene	8.904	237	209648	78.149	ng	99
43) 2,4,6-Trichlorophenol	9.033	196	223975	56.051	ng	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
44) 2,4,5-Trichlorophenol	9.086	196	235257	51.124	ng	99	09/19/2023
46) 1,1'-Biphenyl	9.222	154	866575	53.529	ng	99	
47) 2-Chloronaphthalene	9.245	162	650191	55.354	ng	98	
48) 2-Nitroaniline	9.345	65	252688	55.374	ng	94	
49) Acenaphthylene	9.657	152	1062432	54.425	ng	99	
50) Dimethylphthalate	9.527	163	764556	53.680	ng	99	
51) 2,6-Dinitrotoluene	9.592	165	164931	52.860	ng	95	
52) Acenaphthene	9.833	154	616619	53.471	ng	97	
53) 3-Nitroaniline	9.757	138	109020	29.767	ng	99	
54) 2,4-Dinitrophenol	9.874	184	166265	92.785	ng	93	
55) Dibenzofuran	10.004	168	894691	50.842	ng	96	
56) 4-Nitrophenol	9.939	139	204400	87.812	ng	99	
57) 2,4-Dinitrotoluene	9.998	165	195052	49.935	ng	# 83	
58) Fluorene	10.351	166	695708	51.426	ng	99	
59) 2,3,4,6-Tetrachlorophenol	10.127	232	190419	53.793	ng	99	
60) Diethylphthalate	10.227	149	760696	53.218	ng	99	
61) 4-Chlorophenyl-phenyle...	10.339	204	326073	50.176	ng	98	
62) 4-Nitroaniline	10.380	138	166027	47.159	ng	98	
63) Azobenzene	10.504	77	737391	52.711	ng	97	
65) 4,6-Dinitro-2-methylph...	10.410	198	102681	53.124	ng	98	
66) n-Nitrosodiphenylamine	10.463	169	643942	58.449	ng	100	
67) 4-Bromophenyl-phenylether	10.833	248	205020	56.646	ng	98	
68) Hexachlorobenzene	10.898	284	210734	57.151	ng	95	
69) Atrazine	10.998	200	180305	60.823	ng	100	
70) Pentachlorophenol	11.098	266	208461	94.493	ng	97	
71) Phenanthrene	11.316	178	916548	53.252	ng	99	
72) Anthracene	11.368	178	934035	52.796	ng	99	
73) Carbazole	11.527	167	818934	50.850	ng	99	
74) Di-n-butylphthalate	11.857	149	1065807	56.163	ng	99	
75) Fluoranthene	12.504	202	807180	45.008	ng	99	
77) Benzidine	12.633	184	73440	20.368	ng	99	
78) Pyrene	12.739	202	789116	47.093	ng	99	
80) Butylbenzylphthalate	13.362	149	321701	54.528	ng	100	
81) Benzo(a)anthracene	13.933	228	610312	53.702	ng	99	
82) 3,3'-Dichlorobenzidine	13.898	252	181561	51.146	ng	# 99	
83) Chrysene	13.968	228	614593	54.392	ng	99	
84) Bis(2-ethylhexyl)phtha...	13.927	149	378748	62.560	ng	100	
85) Di-n-octyl phthalate	14.545	149	701782	72.941	ng	# 99	
87) Indeno(1,2,3-cd)pyrene	16.886	276	663527	41.557	ng	99	
88) Benzo(b)fluoranthene	14.986	252	725352	55.024	ng	99	
89) Benzo(k)fluoranthene	15.015	252	644354	49.482	ng	99	
90) Benzo(a)pyrene	15.351	252	641766	51.050	ng	99	
91) Dibenzo(a,h)anthracene	16.903	278	559513	42.828	ng	99	
92) Benzo(g,h,i)perylene	17.333	276	486739	35.675	ng	99	

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

