

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091823\
 Data File : BF135314.D
 Acq On : 18 Sep 2023 19:13
 Operator : CG\JU
 Sample : 04305-01MSD
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-9-5-23-EPHMSD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 09/19/2023
 Supervised By :mohammad ahmed 09/19/2023

Quant Time: Sep 19 00:14:33 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	115735	20.000	ng	0.00
21) Naphthalene-d8	8.040	136	435462	20.000	ng	0.00
39) Acenaphthene-d10	9.798	164	211487	20.000	ng	0.00
64) Phenanthrene-d10	11.286	188	357540	20.000	ng	0.00
76) Chrysene-d12	13.945	240	176748	20.000	ng	0.00
86) Perylene-d12	15.410	264	240351	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.393	112	547468	76.937	ng	0.00
7) Phenol-d6	6.404	99	691516	76.426	ng	0.00
23) Nitrobenzene-d5	7.322	82	426008	53.150	ng	-0.01
42) 2,4,6-Tribromophenol	10.592	330	157533	74.956	ng	0.00
45) 2-Fluorobiphenyl	9.116	172	757733	54.056	ng	-0.01
79) Terphenyl-d14	12.880	244	521269	45.719	ng	-0.01
Target Compounds						Qvalue
2) 1,4-Dioxane	2.540	88	144207	46.229	ng	99
3) Pyridine	3.287	79	353829	42.145	ng	94
4) n-Nitrosodimethylamine	3.263	42	239806	53.826	ng	92
6) Aniline	6.428	93	431100	36.333	ng	95
8) 2-Chlorophenol	6.546	128	393769	51.838	ng	99
9) Benzaldehyde	6.316	77	168688	32.726	ng	98
10) Phenol	6.416	94	470791	47.451	ng	90
11) bis(2-Chloroethyl)ether	6.498	93	370926	49.840	ng	97
12) 1,3-Dichlorobenzene	6.698	146	389071	50.398	ng	99
13) 1,4-Dichlorobenzene	6.775	146	400857	51.037	ng	98
14) 1,2-Dichlorobenzene	6.928	146	375923	51.539	ng	97
15) Benzyl Alcohol	6.910	79	332668	51.236	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.034	45	724253	51.628	ng	95
17) 2-Methylphenol	7.022	107	305669	45.600	ng	97
18) Hexachloroethane	7.263	117	150756	51.948	ng	91
19) n-Nitroso-di-n-propyla...	7.175	70	252799	45.107	ng	89
20) 3+4-Methylphenols	7.175	107	349928	43.413	ng	95
22) Acetophenone	7.169	105	497651	49.986	ng	99
24) Nitrobenzene	7.345	77	408220	51.529	ng	96
25) Isophorone	7.581	82	757888	51.494	ng	98
26) 2-Nitrophenol	7.657	139	206793	54.387	ng	96
27) 2,4-Dimethylphenol	7.698	122	300627	47.038	ng	98
28) bis(2-Chloroethoxy)met...	7.793	93	462892	52.546	ng	99
29) 2,4-Dichlorophenol	7.904	162	306806	51.807	ng	98
30) 1,2,4-Trichlorobenzene	7.981	180	329842	53.287	ng	99
31) Naphthalene	8.063	128	1072757	50.703	ng	99
32) Benzoic acid	7.840	122	254201	52.820	ng	97
33) 4-Chloroaniline	8.116	127	362375	39.037	ng	98
34) Hexachlorobutadiene	8.175	225	193632	51.878	ng	98
35) Caprolactam	8.498	113	107991m	54.334	ng	
36) 4-Chloro-3-methylphenol	8.604	107	337916	51.340	ng	100
37) 2-Methylnaphthalene	8.751	142	672593	47.292	ng	100
38) 1-Methylnaphthalene	8.851	142	650125	48.825	ng	100
40) 1,2,4,5-Tetrachloroben...	8.922	216	320621	52.330	ng	99
41) Hexachlorocyclopentadiene	8.904	237	190113	71.304	ng	98
43) 2,4,6-Trichlorophenol	9.034	196	215950	53.832	ng	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.081	196	230508	49.896	ng	99
46) 1,1'-Biphenyl	9.216	154	841182	51.757	ng	99
47) 2-Chloronaphthalene	9.245	162	634114	53.774	ng	99
48) 2-Nitroaniline	9.345	65	247055	53.928	ng	94
49) Acenaphthylene	9.657	152	1034164	52.770	ng	99
50) Dimethylphthalate	9.528	163	756769	52.926	ng	100
51) 2,6-Dinitrotoluene	9.592	165	166799	53.250	ng	94
52) Acenaphthene	9.834	154	596763	51.546	ng	96
53) 3-Nitroaniline	9.763	138	155517	42.296	ng	94
54) 2,4-Dinitrophenol	9.875	184	152718	85.423	ng	91
55) Dibenzofuran	10.004	168	868407	49.155	ng	96
56) 4-Nitrophenol	9.939	139	222237	95.101	ng	98
57) 2,4-Dinitrotoluene	9.998	165	192832	49.174	ng	# 84
58) Fluorene	10.351	166	668530	49.224	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.128	232	180024	50.658	ng	99
60) Diethylphthalate	10.228	149	751147	52.345	ng	99
61) 4-Chlorophenyl-phenyle...	10.339	204	313925	48.118	ng	99
62) 4-Nitroaniline	10.381	138	167099	47.278	ng	98
63) Azobenzene	10.504	77	720435	51.297	ng	97
65) 4,6-Dinitro-2-methylph...	10.410	198	101470	53.433	ng	97
66) n-Nitrosodiphenylamine	10.463	169	616019	56.910	ng	100
67) 4-Bromophenyl-phenylether	10.834	248	199594	56.129	ng	97
68) Hexachlorobenzene	10.898	284	204926	56.566	ng	94
69) Atrazine	10.998	200	182805	62.765	ng	100
70) Pentachlorophenol	11.098	266	194408	89.693	ng	97
71) Phenanthrene	11.316	178	931341	55.076	ng	99
72) Anthracene	11.369	178	899127	51.728	ng	99
73) Carbazole	11.528	167	784624	49.588	ng	99
74) Di-n-butylphthalate	11.857	149	1035583	55.542	ng	99
75) Fluoranthene	12.510	202	817218	46.380	ng	97
77) Benzidine	12.633	184	364188	100.576	ng	99
78) Pyrene	12.739	202	802452	47.686	ng	99
80) Butylbenzylphthalate	13.363	149	305232	51.518	ng	100
81) Benzo(a)anthracene	13.933	228	619802	54.306	ng	100
82) 3,3'-Dichlorobenzidine	13.898	252	225882	63.362	ng	99
83) Chrysene	13.969	228	610927	53.839	ng	100
84) Bis(2-ethylhexyl)phtha...	13.927	149	367755	60.487	ng	98
85) Di-n-octyl phthalate	14.545	149	691860	71.606	ng	99
87) Indeno(1,2,3-cd)pyrene	16.886	276	647542	41.090	ng	99
88) Benzo(b)fluoranthene	14.986	252	720647	55.387	ng	99
89) Benzo(k)fluoranthene	15.016	252	629825	49.004	ng	99
90) Benzo(a)pyrene	15.351	252	634728	51.156	ng	99
91) Dibenzo(a,h)anthracene	16.904	278	530601	41.150	ng	99
92) Benzo(g,h,i)perylene	17.333	276	487474	36.199	ng	99

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

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