

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF063023\
 Data File : BF134060.D
 Acq On : 30 Jun 2023 19:29
 Operator : CG\JU
 Sample : 03428-02MSD
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PNNL-APM-0621-1MSD

Quant Time: Jul 01 04:31:15 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 30 18:35:29 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh
 Patel
 07/03/2023

Supervised By :Mohammad
 ahmed
 07/07/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.845	152	98424	20.000	ng	0.00
21) Naphthalene-d8	8.128	136	376888	20.000	ng	0.00
39) Acenaphthene-d10	9.886	164	196034	20.000	ng	0.00
64) Phenanthrene-d10	11.380	188	382675	20.000	ng	0.00
76) Chrysene-d12	14.039	240	175914	20.000	ng	-0.01
86) Perylene-d12	15.545	264	209534	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	785014	133.417	ng	0.02
7) Phenol-d6	6.493	99	896766	123.931	ng	0.00
23) Nitrobenzene-d5	7.416	82	710142	101.570	ng	0.00
42) 2,4,6-Tribromophenol	10.686	330	362902	147.649	ng	0.00
45) 2-Fluorobiphenyl	9.210	172	1306243	96.878	ng	0.00
79) Terphenyl-d14	12.980	244	1411722	129.157	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.834	88	99785	41.130	ng	# 80
3) Pyridine	3.569	79	227927	36.068	ng	97
4) n-Nitrosodimethylamine	3.505	42	181974	50.419	ng	99
6) Aniline	6.516	93	219332m	24.909	ng	
8) 2-Chlorophenol	6.634	128	308123	51.587	ng	100
9) Benzaldehyde	6.404	77	120035	27.828	ng	96
10) Phenol	6.504	94	325578	42.793	ng	97
11) bis(2-Chloroethyl)ether	6.587	93	274960	49.089	ng	99
12) 1,3-Dichlorobenzene	6.787	146	309925	48.671	ng	98
13) 1,4-Dichlorobenzene	6.863	146	320872	49.889	ng	99
14) 1,2-Dichlorobenzene	7.016	146	301182	50.000	ng	99
15) Benzyl Alcohol	6.993	79	295837	53.033	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.122	45	481747	48.615	ng	94
17) 2-Methylphenol	7.104	107	248020	46.371	ng	96
18) Hexachloroethane	7.357	117	119999	50.318	ng	96
19) n-Nitroso-di-n-propyla...	7.263	70	229013	49.906	ng	99
20) 3+4-Methylphenols	7.257	107	314899	48.530	ng	# 82
22) Acetophenone	7.257	105	435418	50.799	ng	96
24) Nitrobenzene	7.434	77	347465	49.179	ng	98
25) Isophorone	7.669	82	628555	49.466	ng	97
26) 2-Nitrophenol	7.745	139	173370	51.152	ng	93
27) 2,4-Dimethylphenol	7.787	122	280892	52.356	ng	94
28) bis(2-Chloroethoxy)met...	7.875	93	371107	50.438	ng	99
29) 2,4-Dichlorophenol	7.992	162	274386	51.576	ng	98
30) 1,2,4-Trichlorobenzene	8.069	180	274963	50.090	ng	99
31) Naphthalene	8.151	128	875758	48.106	ng	99
32) Benzoic acid	7.945	122	176181	43.824	ng	97
33) 4-Chloroaniline	8.198	127	146962	18.872	ng	96
34) Hexachlorobutadiene	8.263	225	172270	49.749	ng	99
35) Caprolactam	8.581	113	79317m	45.280	ng	
36) 4-Chloro-3-methylphenol	8.692	107	308388	51.600	ng	98
37) 2-Methylnaphthalene	8.845	142	606800	47.135	ng	100
38) 1-Methylnaphthalene	8.939	142	563909	47.118	ng	100
40) 1,2,4,5-Tetrachloroben...	9.010	216	288686	49.706	ng	98
41) Hexachlorocyclopentadiene	8.992	237	301867	109.557	ng	97
43) 2,4,6-Trichlorophenol	9.122	196	202774	51.288	ng	99

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44) 2,4,5-Trichlorophenol	9.169	196	219766	47.256	ng	95
46) 1,1'-Biphenyl	9.310	154	765781	48.698	ng	98
47) 2-Chloronaphthalene	9.334	162	529391	46.012	ng	97
48) 2-Nitroaniline	9.434	65	211813	50.514	ng	98
49) Acenaphthylene	9.751	152	958536	48.770	ng	99
50) Dimethylphthalate	9.616	163	730980	51.368	ng	99
51) 2,6-Dinitrotoluene	9.675	165	159984	52.198	ng	# 85
52) Acenaphthene	9.922	154	564840	49.528	ng	98
53) 3-Nitroaniline	9.845	138	110823	30.140	ng	97
54) 2,4-Dinitrophenol	9.957	184	157371	88.478	ng	90
55) Dibenzofuran	10.098	168	865138	48.539	ng	99
56) 4-Nitrophenol	10.016	139	224472	87.277	ng	91
57) 2,4-Dinitrotoluene	10.086	165	210172	51.924	ng	92
58) Fluorene	10.439	166	690288	49.781	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.216	232	189033	51.531	ng	98
60) Diethylphthalate	10.316	149	763537	51.501	ng	99
61) 4-Chlorophenyl-phenyle...	10.428	204	336321	50.329	ng	95
62) 4-Nitroaniline	10.469	138	169331	45.696	ng	94
63) Azobenzene	10.592	77	706361	50.369	ng	97
65) 4,6-Dinitro-2-methylph...	10.498	198	108255	51.888	ng	94
66) n-Nitrosodiphenylamine	10.557	169	615949	50.378	ng	99
67) 4-Bromophenyl-phenylether	10.922	248	213289	52.439	ng	92
68) Hexachlorobenzene	10.986	284	237276	54.943	ng	95
69) Atrazine	11.086	200	201537	59.592	ng	97
70) Pentachlorophenol	11.186	266	224338	86.880	ng	99
71) Phenanthrene	11.410	178	970955	50.401	ng	100
72) Anthracene	11.463	178	1010618	50.437	ng	99
73) Carbazole	11.616	167	900005	49.073	ng	99
74) Di-n-butylphthalate	11.945	149	1197178	54.891	ng	99
75) Fluoranthene	12.604	202	979825	47.047	ng	98
77) Benzidine	12.727	184	198435	47.407	ng	99
78) Pyrene	12.833	202	949154	57.977	ng	99
80) Butylbenzylphthalate	13.457	149	375181	61.105	ng	95
81) Benzo(a)anthracene	14.033	228	621482	50.941	ng	98
82) 3,3'-Dichlorobenzidine	13.992	252	163682	42.348	ng	# 99
83) Chrysene	14.069	228	586745	49.655	ng	100
84) Bis(2-ethylhexyl)phtha...	14.016	149	457387	64.830	ng	98
85) Di-n-octyl phthalate	14.639	149	698266	67.357	ng	99
87) Indeno(1,2,3-cd)pyrene	17.098	276	836783	57.552	ng	99
88) Benzo(b)fluoranthene	15.104	252	635880	51.610	ng	99
89) Benzo(k)fluoranthene	15.133	252	628281	50.084	ng	98
90) Benzo(a)pyrene	15.480	252	583661	48.989	ng	99
91) Dibenzo(a,h)anthracene	17.115	278	686496	57.806	ng	98
92) Benzo(g,h,i)perylene	17.574	276	666143	54.393	ng	98

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

