

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122222\
 Data File : BG056068.D
 Acq On : 22 Dec 2022 18:59
 Operator : CG/JU
 Sample : PB149805BS
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB149805BS

Manual Integrations
 APPROVED

Reviewed By :Christian Giraldo 12/23/2022
 Supervised By :mohammad ahmed 12/23/2022

Quant Time: Dec 23 05:20:14 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG121322.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 23 05:09:54 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.356	152	8273	20.000	ng	0.00
21) Naphthalene-d8	11.188	136	35338	20.000	ng	# 0.00
39) Acenaphthene-d10	14.966	164	35590	20.000	ng	0.00
64) Phenanthrene-d10	17.704	188	101511	20.000	ng	# 0.00
76) Chrysene-d12	22.011	240	113847	20.000	ng	0.00
86) Perylene-d12	25.489	264	119151	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.877	112	53395	151.361	ng	0.00
7) Phenol-d6	7.492	99	68114	150.128	ng	0.00
23) Nitrobenzene-d5	9.531	82	43784	86.584	ng	0.00
42) 2,4,6-Tribromophenol	16.447	330	109443	127.529	ng	0.00
45) 2-Fluorobiphenyl	13.597	172	171613	67.627	ng	0.00
79) Terphenyl-d14	20.277	244	492624	76.476	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.691	88	3849	37.492	ng	98
3) Pyridine	4.108	79	10203	30.200	ng	92
4) n-Nitrosodimethylamine	4.014	42	11264	37.088	ng	90
6) Aniline	7.669	93	20168	37.127	ng	96
8) 2-Chlorophenol	7.915	128	21944	48.216	ng	92
9) Benzaldehyde	7.475	77	3866	13.568	ng	83
10) Phenol	7.516	94	24818	49.980	ng	98
11) bis(2-Chloroethyl)ether	7.757	93	14295	44.196	ng	95
12) 1,3-Dichlorobenzene	8.244	146	23249	39.490	ng	98
13) 1,4-Dichlorobenzene	8.391	146	23955	39.814	ng	91
14) 1,2-Dichlorobenzene	8.714	146	23680	41.182	ng	98
15) Benzyl Alcohol	8.585	79	21553	45.718	ng	95
16) 2,2'-oxybis(1-Chloropr...	8.879	45	21387m	50.805	ng	
17) 2-Methylphenol	8.785	107	18923	48.435	ng	# 91
18) Hexachloroethane	9.455	117	7806	42.741	ng	# 87
19) n-Nitroso-di-n-propyla...	9.155	70	13929	42.830	ng	91
20) 3+4-Methylphenols	9.114	107	26224	47.036	ng	95
22) Acetophenone	9.179	105	32876	37.529	ng	# 97
24) Nitrobenzene	9.572	77	22294	43.800	ng	97
25) Isophorone	10.095	82	42868	40.428	ng	95
26) 2-Nitrophenol	10.289	139	14625	48.537	ng	93
27) 2,4-Dimethylphenol	10.330	122	23123m	45.694	ng	
28) bis(2-Chloroethoxy)met...	10.571	93	21230	45.301	ng	# 94
29) 2,4-Dichlorophenol	10.824	162	29898	41.626	ng	97
30) 1,2,4-Trichlorobenzene	11.047	180	34010	36.426	ng	94
31) Naphthalene	11.241	128	68151	36.550	ng	98
32) Benzoic acid	10.454	122	18650	43.569	ng	90
33) 4-Chloroaniline	11.335	127	20844	26.077	ng	98
34) Hexachlorobutadiene	11.517	225	29129	33.185	ng	93
35) Caprolactam	12.099	113	8577m	42.860	ng	
36) 4-Chloro-3-methylphenol	12.428	107	28662	42.557	ng	92
37) 2-Methylnaphthalene	12.815	142	60764	36.886	ng	96
38) 1-Methylnaphthalene	13.039	142	56919	35.467	ng	99
40) 1,2,4,5-Tetrachloroben...	13.180	216	54197	36.093	ng	99
41) Hexachlorocyclopentadiene	13.156	237	74490	87.443	ng	98
43) 2,4,6-Trichlorophenol	13.409	196	35850	40.332	ng	95

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG12222\
 Data File : BG056068.D
 Acq On : 22 Dec 2022 18:59
 Operator : CG/JU
 Sample : PB149805BS
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB149805BS

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 12/23/2022
 Supervised By : mohammad ahmed 12/23/2022

Quant Time: Dec 23 05:20:14 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG121322.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 23 05:09:54 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.479	196	39670	39.591	ng	98
46) 1,1'-Biphenyl	13.803	154	90008	37.311	ng	99
47) 2-Chloronaphthalene	13.855	162	70595	36.015	ng	98
48) 2-Nitroaniline	14.043	65	19474	50.257	ng	85
49) Acenaphthylene	14.696	152	114216	36.505	ng	99
50) Dimethylphthalate	14.408	163	111415	36.209	ng	99
51) 2,6-Dinitrotoluene	14.525	165	23725	49.826	ng	# 88
52) Acenaphthene	15.031	154	93040	44.295	ng	95
53) 3-Nitroaniline	14.860	138	15333	31.658	ng	# 91
54) 2,4-Dinitrophenol	15.066	184	37083	104.759	ng	# 76
55) Dibenzofuran	15.360	168	127726	36.161	ng	99
56) 4-Nitrophenol	15.148	139	35487	91.435	ng	97
57) 2,4-Dinitrotoluene	15.313	165	34667	48.233	ng	# 90
58) Fluorene	16.006	166	102962	35.659	ng	98
59) 2,3,4,6-Tetrachlorophenol	15.577	232	45569	39.808	ng	99
60) Diethylphthalate	15.753	149	106709	35.481	ng	98
61) 4-Chlorophenyl-phenylether	15.988	204	72492	36.855	ng	97
62) 4-Nitroaniline	16.018	138	21619	40.988	ng	98
63) Azobenzene	16.282	77	66233	36.183	ng	97
65) 4,6-Dinitro-2-methylph...	16.070	198	24923	51.396	ng	84
66) n-Nitrosodiphenylamine	16.200	169	97507	36.655	ng	100
67) 4-Bromophenyl-phenylether	16.881	248	55542	37.340	ng	93
68) Hexachlorobenzene	17.005	284	66581	36.340	ng	94
69) Atrazine	17.134	200	42535	35.314	ng	99
70) Pentachlorophenol	17.345	266	88301	84.302	ng	94
71) Phenanthrene	17.745	178	193979	36.464	ng	100
72) Anthracene	17.839	178	196539	37.344	ng	99
73) Carbazole	18.098	167	164782	37.963	ng	98
74) Di-n-butylphthalate	18.632	149	183009	36.255	ng	99
75) Fluoranthene	19.731	202	266828	35.820	ng	99
77) Benzidine	19.895	184	79543	39.785	ng	99
78) Pyrene	20.095	202	267100	38.772	ng	99
80) Butylbenzylphthalate	20.959	149	78282	40.102	ng	99
81) Benzo(a)anthracene	21.987	228	296415	37.000	ng	98
82) 3,3'-Dichlorobenzidine	21.887	252	107455	37.281	ng	95
83) Chrysene	22.058	228	274398	36.546	ng	99
84) Bis(2-ethylhexyl)phtha...	21.858	149	112248	38.704	ng	96
85) Di-n-octyl phthalate	23.156	149	188380	38.292	ng	99
87) Indeno(1,2,3-cd)pyrene	29.508	276	369867	38.603	ng	99
88) Benzo(b)fluoranthene	24.373	252	329675	42.752	ng	100
89) Benzo(k)fluoranthene	24.449	252	317663	41.289	ng	99
90) Benzo(a)pyrene	25.330	252	285207	43.755	ng	100
91) Dibenzo(a,h)anthracene	29.578	278	322642	40.232	ng	96
92) Benzo(g,h,i)perylene	30.771	276	312388	40.289	ng	98

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

