

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG12222\
 Data File : BG056061.D
 Acq On : 22 Dec 2022 14:04
 Operator : CG/JU
 Sample : PB149728BS
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB149728BS

Manual Integrations
 APPROVED

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

Quant Time: Dec 23 05:15:41 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	8.358	152	10607	20.000	ng	0.00
21) Naphthalene-d8	11.190	136	43395	20.000	ng	# 0.00
39) Acenaphthene-d10	14.968	164	39950	20.000	ng	0.00
64) Phenanthrene-d10	17.706	188	109316	20.000	ng	0.00
76) Chrysene-d12	22.013	240	119801	20.000	ng	# 0.00
86) Perylene-d12	25.491	264	122870	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.873	112	65331	144.445	ng	0.00
7) Phenol-d6	7.488	99	82199	141.306	ng	0.00
23) Nitrobenzene-d5	9.527	82	53420	86.026	ng	0.00
42) 2,4,6-Tribromophenol	16.448	330	116925	121.378	ng	0.00
45) 2-Fluorobiphenyl	13.599	172	201706	70.811	ng	0.00
79) Terphenyl-d14	20.279	244	519228	76.600	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.687	88	5132	38.990	ng	91
3) Pyridine	4.110	79	13655	31.523	ng	94
4) n-Nitrosodimethylamine	4.016	42	13807	35.458	ng	# 82
6) Aniline	7.665	93	24053	34.536	ng	95
8) 2-Chlorophenol	7.917	128	27463	47.065	ng	96
9) Benzaldehyde	7.477	77	4428	12.121	ng	90
10) Phenol	7.518	94	29732	46.701	ng	98
11) bis(2-Chloroethyl)ether	7.759	93	17936	43.251	ng	97
12) 1,3-Dichlorobenzene	8.246	146	29896	39.607	ng	94
13) 1,4-Dichlorobenzene	8.393	146	30064	38.973	ng	95
14) 1,2-Dichlorobenzene	8.716	146	29592	40.140	ng	98
15) Benzyl Alcohol	8.587	79	25892	42.836	ng	91
16) 2,2'-oxybis(1-Chloropr...	8.881	45	26600m	49.284	ng	
17) 2-Methylphenol	8.787	107	22664	45.246	ng	95
18) Hexachloroethane	9.457	117	10286	43.927	ng	93
19) n-Nitroso-di-n-propyla...	9.157	70	17296	41.481	ng	# 91
20) 3+4-Methylphenols	9.110	107	31653	44.281	ng	96
22) Acetophenone	9.181	105	40265	37.430	ng	# 96
24) Nitrobenzene	9.568	77	27763	44.418	ng	93
25) Isophorone	10.091	82	50424	38.724	ng	97
26) 2-Nitrophenol	10.291	139	17345	46.877	ng	95
27) 2,4-Dimethylphenol	10.332	122	28687m	46.164	ng	
28) bis(2-Chloroethoxy)met...	10.573	93	27019	46.950	ng	98
29) 2,4-Dichlorophenol	10.826	162	35340	40.068	ng	97
30) 1,2,4-Trichlorobenzene	11.049	180	40886	35.660	ng	97
31) Naphthalene	11.243	128	83571	36.498	ng	99
32) Benzoic acid	10.456	122	22125	42.277	ng	95
33) 4-Chloroaniline	11.337	127	23095	23.528	ng	98
34) Hexachlorobutadiene	11.519	225	36791	34.132	ng	96
35) Caprolactam	12.101	113	9314m	37.901	ng	
36) 4-Chloro-3-methylphenol	12.430	107	33408	40.394	ng	94
37) 2-Methylnaphthalene	12.817	142	73483	36.325	ng	96
38) 1-Methylnaphthalene	13.035	142	69073	35.049	ng	99
40) 1,2,4,5-Tetrachloroben...	13.176	216	64364	38.186	ng	99
41) Hexachlorocyclopentadiene	13.158	237	90096	94.220	ng	98
43) 2,4,6-Trichlorophenol	13.411	196	41170	41.262	ng	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.481	196	45205	40.191	ng	94
46) 1,1'-Biphenyl	13.805	154	106691	39.400	ng	99
47) 2-Chloronaphthalene	13.857	162	82743	37.606	ng	95
48) 2-Nitroaniline	14.045	65	21175	48.771	ng	94
49) Acenaphthylene	14.692	152	130694	37.213	ng	99
50) Dimethylphthalate	14.404	163	123612	35.789	ng	98
51) 2,6-Dinitrotoluene	14.527	165	26098	48.828	ng	93
52) Acenaphthene	15.033	154	104549	44.342	ng	96
53) 3-Nitroaniline	14.862	138	16581	30.499	ng	# 89
54) 2,4-Dinitrophenol	15.062	184	38597	97.136	ng	# 77
55) Dibenzofuran	15.362	168	144073	36.337	ng	98
56) 4-Nitrophenol	15.150	139	38223	87.736	ng	95
57) 2,4-Dinitrotoluene	15.315	165	38253	47.413	ng	95
58) Fluorene	16.008	166	115052	35.498	ng	98
59) 2,3,4,6-Tetrachlorophenol	15.579	232	50094m	38.985	ng	
60) Diethylphthalate	15.755	149	117154	34.703	ng	99
61) 4-Chlorophenyl-phenyle...	15.990	204	80740	36.568	ng	96
62) 4-Nitroaniline	16.020	138	23323	39.393	ng	98
63) Azobenzene	16.284	77	73907	35.969	ng	98
65) 4,6-Dinitro-2-methylph...	16.072	198	25976	49.743	ng	88
66) n-Nitrosodiphenylamine	16.202	169	108736	37.958	ng	99
67) 4-Bromophenyl-phenylether	16.883	248	59964	37.435	ng	92
68) Hexachlorobenzene	17.007	284	72765	36.880	ng	97
69) Atrazine	17.136	200	45398	35.000	ng	96
70) Pentachlorophenol	17.347	266	93124	82.559	ng	93
71) Phenanthrene	17.747	178	210791	36.795	ng	99
72) Anthracene	17.835	178	211118	37.250	ng	99
73) Carbazole	18.099	167	175316	37.506	ng	98
74) Di-n-butylphthalate	18.634	149	195780	36.015	ng	99
75) Fluoranthene	19.733	202	277936	34.647	ng	98
77) Benzidine	19.897	184	83146	39.520	ng	97
78) Pyrene	20.097	202	279331	38.532	ng	99
80) Butylbenzylphthalate	20.961	149	81424	39.638	ng	99
81) Benzo(a)anthracene	21.989	228	305560	36.246	ng	99
82) 3,3'-Dichlorobenzidine	21.889	252	111677	36.820	ng	96
83) Chrysene	22.060	228	284010	35.947	ng	98
84) Bis(2-ethylhexyl)phtha...	21.860	149	116801	38.272	ng	97
85) Di-n-octyl phthalate	23.158	149	196127	37.885	ng	100
87) Indeno(1,2,3-cd)pyrene	29.521	276	379398	38.399	ng	# 99
88) Benzo(b)fluoranthene	24.380	252	338333	42.547	ng	99
89) Benzo(k)fluoranthene	24.457	252	328088	41.353	ng	99
90) Benzo(a)pyrene	25.326	252	291195	43.322	ng	98
91) Dibenzo(a,h)anthracene	29.586	278	332727	40.234	ng	96
92) Benzo(g,h,i)perylene	30.779	276	319449	39.952	ng	98

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

