

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG060823\
 Data File : BG057675.D
 Acq On : 8 Jun 2023 17:59
 Operator : CG/JU
 Sample : PB153189BSD
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB153189BSD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 06/09/2023
 Supervised By :mohammad ahmed 06/13/2023

Quant Time: Jun 09 03:38:30 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG060823.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 09 00:44:37 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.312	152	5506	20.000	ng	0.00
21) Naphthalene-d8	11.149	136	21758	20.000	ng	# 0.00
39) Acenaphthene-d10	14.933	164	15608	20.000	ng	0.00
64) Phenanthrene-d10	17.671	188	38068	20.000	ng	0.00
76) Chrysene-d12	21.966	240	34408	20.000	ng	# 0.00
86) Perylene-d12	25.427	264	40617	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.838	112	29695	112.076	ng	0.00
7) Phenol-d6	7.465	99	40146	92.139	ng	0.00
23) Nitrobenzene-d5	9.498	82	42920	87.448	ng	0.00
42) 2,4,6-Tribromophenol	16.414	330	20958	91.431	ng	0.00
45) 2-Fluorobiphenyl	13.552	172	95226	81.879	ng	0.00
79) Terphenyl-d14	20.239	244	181913	90.976	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.611	88	4402	26.260	ng	# 84
3) Pyridine	4.040	79	11760	32.640	ng	94
4) n-Nitrosodimethylamine	3.952	42	14205	53.881	ng	# 71
6) Aniline	7.630	93	18886	33.373	ng	# 93
8) 2-Chlorophenol	7.871	128	16772	50.622	ng	86
9) Benzaldehyde	7.442	77	4988	19.717	ng	98
10) Phenol	7.489	94	21296	50.859	ng	# 72
11) bis(2-Chloroethyl)ether	7.712	93	13901	42.356	ng	94
12) 1,3-Dichlorobenzene	8.200	146	16979	48.254	ng	# 92
13) 1,4-Dichlorobenzene	8.347	146	17494	47.029	ng	96
14) 1,2-Dichlorobenzene	8.670	146	16127	45.124	ng	98
15) Benzyl Alcohol	8.552	79	17752	50.054	ng	94
16) 2,2'-oxybis(1-Chloropr...	8.834	45	27281m	40.014	ng	
17) 2-Methylphenol	8.758	107	14503	44.468	ng	# 85
18) Hexachloroethane	9.410	117	6343	45.078	ng	92
19) n-Nitroso-di-n-propyla...	9.117	70	12794	41.513	ng	# 78
20) 3+4-Methylphenols	9.093	107	19456	43.493	ng	88
22) Acetophenone	9.146	105	27214	44.806	ng	# 87
24) Nitrobenzene	9.540	77	20411	42.581	ng	97
25) Isophorone	10.057	82	36616	42.664	ng	# 96
26) 2-Nitrophenol	10.256	139	9228	47.277	ng	# 80
27) 2,4-Dimethylphenol	10.303	122	17772	49.809	ng	93
28) bis(2-Chloroethoxy)met...	10.527	93	18109	40.101	ng	99
29) 2,4-Dichlorophenol	10.797	162	16003	49.146	ng	93
30) 1,2,4-Trichlorobenzene	11.008	180	18244	46.488	ng	92
31) Naphthalene	11.196	128	51157	43.245	ng	98
32) Benzoic acid	10.474	122	5974m	33.989	ng	
33) 4-Chloroaniline	11.308	127	15352	29.818	ng	98
34) Hexachlorobutadiene	11.467	225	13192	48.851	ng	96
35) Caprolactam	12.078	113	5160m	51.131	ng	
36) 4-Chloro-3-methylphenol	12.413	107	19658	50.498	ng	97
37) 2-Methylnaphthalene	12.783	142	36775m	45.480	ng	
38) 1-Methylnaphthalene	13.000	142	34439m	45.679	ng	
40) 1,2,4,5-Tetrachloroben...	13.147	216	22089	43.899	ng	# 97
41) Hexachlorocyclopentadiene	13.112	237	15972	93.689	ng	94
43) 2,4,6-Trichlorophenol	13.382	196	13950	45.291	ng	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.464	196	15407	42.810	ng	# 90
46) 1,1'-Biphenyl	13.770	154	48420	41.929	ng	93
47) 2-Chloronaphthalene	13.823	162	36629	42.692	ng	96
48) 2-Nitroaniline	14.023	65	14989	42.746	ng	94
49) Acenaphthylene	14.657	152	59987	41.454	ng	99
50) Dimethylphthalate	14.369	163	49279	41.239	ng	98
51) 2,6-Dinitrotoluene	14.504	165	10599	41.556	ng	# 77
52) Acenaphthene	14.998	154	36056	42.301	ng	95
53) 3-Nitroaniline	14.839	138	7953	30.516	ng	86
54) 2,4-Dinitrophenol	15.062	184	12159	125.577	ng	# 54
55) Dibenzofuran	15.327	168	60165	43.403	ng	# 87
56) 4-Nitrophenol	15.156	139	14501	97.754	ng	# 58
57) 2,4-Dinitrotoluene	15.297	165	15732	45.320	ng	# 74
58) Fluorene	15.973	166	49985	44.773	ng	97
59) 2,3,4,6-Tetrachlorophenol	15.556	232	14073m	48.408	ng	
60) Diethylphthalate	15.715	149	52871	44.127	ng	99
61) 4-Chlorophenyl-phenyle...	15.950	204	28370	45.332	ng	94
62) 4-Nitroaniline	15.997	138	11454	44.539	ng	# 45
63) Azobenzene	16.243	77	50265	42.562	ng	# 83
65) 4,6-Dinitro-2-methylph...	16.061	198	9669	40.437	ng	93
66) n-Nitrosodiphenylamine	16.167	169	44859	35.503	ng	92
67) 4-Bromophenyl-phenylether	16.843	248	18982	39.770	ng	95
68) Hexachlorobenzene	16.978	284	21328	46.768	ng	96
69) Atrazine	17.101	200	18780	47.141	ng	98
70) Pentachlorophenol	17.325	266	15945m	76.264	ng	
71) Phenanthrene	17.712	178	80341	40.283	ng	98
72) Anthracene	17.806	178	84281	40.805	ng	99
73) Carbazole	18.071	167	76460	40.022	ng	100
74) Di-n-butylphthalate	18.588	149	90882	35.345	ng	# 97
75) Fluoranthene	19.704	202	101519	42.670	ng	98
77) Benzidine	19.869	184	44502	51.044	ng	98
78) Pyrene	20.062	202	102564	41.195	ng	99
80) Butylbenzylphthalate	20.909	149	41273	45.495	ng	99
81) Benzo(a)anthracene	21.949	228	106215	43.815	ng	97
82) 3,3'-Dichlorobenzidine	21.843	252	37204	43.308	ng	99
83) Chrysene	22.019	228	97632	42.584	ng	99
84) Bis(2-ethylhexyl)phtha...	21.790	149	58402	42.963	ng	97
85) Di-n-octyl phthalate	23.065	149	101996	43.454	ng	99
87) Indeno(1,2,3-cd)pyrene	29.446	276	129407	47.499	ng	# 87
88) Benzo(b)fluoranthene	24.322	252	113220	47.459	ng	95
89) Benzo(k)fluoranthene	24.393	252	110819	45.718	ng	# 98
90) Benzo(a)pyrene	25.274	252	99421	42.872	ng	# 98
91) Dibenzo(a,h)anthracene	29.493	278	108213	47.521	ng	96
92) Benzo(g,h,i)perylene	30.697	276	102297	45.990	ng	# 97

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

