

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG040723\
 Data File : BG057027.D
 Acq On : 7 Apr 2023 15:17
 Operator : CG/JU
 Sample : 02222-01MSD
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 E-H4(ELEV-24)MSD

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 04/10/2023
 Supervised By : Jagrut Upadhyay 04/10/2023

Quant Time: Apr 08 04:50:22 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG033023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Apr 08 04:45:47 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.408	152	14831	20.000	ng	0.00
21) Naphthalene-d8	11.251	136	58852	20.000	ng	0.00
39) Acenaphthene-d10	15.022	164	46135	20.000	ng	0.00
64) Phenanthrene-d10	17.760	188	110496	20.000	ng	0.00
76) Chrysene-d12	22.083	240	96904	20.000	ng	0.00
86) Perylene-d12	25.620	264	101640	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.917	112	97220	104.912	ng	0.00
7) Phenol-d6	7.544	99	143803	103.757	ng	0.00
23) Nitrobenzene-d5	9.582	82	92406	64.246	ng	0.00
42) 2,4,6-Tribromophenol	16.502	330	76963	104.424	ng	0.00
45) 2-Fluorobiphenyl	13.647	172	212553	62.474	ng	0.00
79) Terphenyl-d14	20.327	244	384054	67.064	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.720	88	16380	40.322	ng	96
3) Pyridine	4.143	79	44534m	34.037	ng	
4) n-Nitrosodimethylamine	4.049	42	24472	40.681	ng	96
6) Aniline	7.714	93	61036	34.448	ng	99
8) 2-Chlorophenol	7.967	128	46308	50.170	ng	94
9) Benzaldehyde	7.526	77	32218	37.062	ng	93
10) Phenol	7.567	94	68270	49.712	ng	96
11) bis(2-Chloroethyl)ether	7.802	93	42553	43.500	ng	94
12) 1,3-Dichlorobenzene	8.296	146	49253	48.292	ng	96
13) 1,4-Dichlorobenzene	8.443	146	50752	49.305	ng	97
14) 1,2-Dichlorobenzene	8.772	146	48631	48.901	ng	96
15) Benzyl Alcohol	8.637	79	52812	45.859	ng	94
16) 2,2'-oxybis(1-Chloropr...	8.930	45	50703m	43.007	ng	
17) 2-Methylphenol	8.842	107	47068	48.040	ng	89
18) Hexachloroethane	9.512	117	17471	46.437	ng	# 79
19) n-Nitroso-di-n-propyla...	9.212	70	40672	41.027	ng	# 98
20) 3+4-Methylphenols	9.171	107	63709	46.501	ng	90
22) Acetophenone	9.236	105	77629	44.329	ng	# 97
24) Nitrobenzene	9.629	77	63013	42.851	ng	94
25) Isophorone	10.146	82	112458	41.059	ng	100
26) 2-Nitrophenol	10.346	139	27655	48.723	ng	98
27) 2,4-Dimethylphenol	10.387	122	48339	48.235	ng	98
28) bis(2-Chloroethoxy)met...	10.622	93	60613	44.204	ng	96
29) 2,4-Dichlorophenol	10.887	162	50578	46.929	ng	93
30) 1,2,4-Trichlorobenzene	11.104	180	53217	46.471	ng	95
31) Naphthalene	11.298	128	144701	45.109	ng	97
32) Benzoic acid	10.522	122	30039	43.637	ng	96
33) 4-Chloroaniline	11.398	127	41504	28.647	ng	# 92
34) Hexachlorobutadiene	11.574	225	39205	45.576	ng	96
35) Caprolactam	12.161	113	15779m	42.453	ng	
36) 4-Chloro-3-methylphenol	12.490	107	55507	46.053	ng	97
37) 2-Methylnaphthalene	12.872	142	106937	42.003	ng	98
38) 1-Methylnaphthalene	13.089	142	99539	41.637	ng	98
40) 1,2,4,5-Tetrachloroben...	13.236	216	74699	46.692	ng	97
41) Hexachlorocyclopentadiene	13.207	237	99158	112.492	ng	98
43) 2,4,6-Trichlorophenol	13.465	196	47802	46.823	ng	99

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44) 2,4,5-Trichlorophenol	13.542	196	53695	44.397	ng	96
46) 1,1'-Biphenyl	13.859	154	156643	46.382	ng	97
47) 2-Chloronaphthalene	13.912	162	118831	47.575	ng	98
48) 2-Nitroaniline	14.100	65	40207	45.018	ng	98
49) Acenaphthylene	14.752	152	186999	45.566	ng	99
50) Dimethylphthalate	14.458	163	162161	44.610	ng	97
51) 2,6-Dinitrotoluene	14.587	165	35525	45.232	ng	93
52) Acenaphthene	15.087	154	146381m	51.718	ng	
53) 3-Nitroaniline	14.916	138	23386	30.082	ng	97
54) 2,4-Dinitrophenol	15.122	184	50691	114.666	ng	97
55) Dibenzofuran	15.416	168	189068	44.507	ng	96
56) 4-Nitrophenol	15.216	139	57028	99.203	ng	# 87
57) 2,4-Dinitrotoluene	15.369	165	50614	45.692	ng	96
58) Fluorene	16.062	166	156524	44.528	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.639	232	51257	46.547	ng	# 98
60) Diethylphthalate	15.803	149	161044	44.192	ng	98
61) 4-Chlorophenyl-phenyle...	16.038	204	91354	44.263	ng	97
62) 4-Nitroaniline	16.074	138	35938	44.619	ng	89
63) Azobenzene	16.332	77	175902	48.435	ng	98
65) 4,6-Dinitro-2-methylph...	16.132	198	35353	52.828	ng	92
66) n-Nitrosodiphenylamine	16.256	169	133675	45.066	ng	99
67) 4-Bromophenyl-phenylether	16.937	248	60373	44.159	ng	95
68) Hexachlorobenzene	17.066	284	66969	49.545	ng	100
69) Atrazine	17.184	200	59765	48.539	ng	97
70) Pentachlorophenol	17.407	266	80767	83.290	ng	92
71) Phenanthrene	17.807	178	257520	45.711	ng	98
72) Anthracene	17.895	178	262976	45.535	ng	99
73) Carbazole	18.159	167	231618	46.000	ng	97
74) Di-n-butylphthalate	18.676	149	263092	45.122	ng	99
75) Fluoranthene	19.792	202	305257	42.744	ng	97
77) Benzidine	19.957	184	173384	65.460	ng	98
78) Pyrene	20.150	202	302221	45.092	ng	98
80) Butylbenzylphthalate	21.008	149	107741	46.714	ng	93
81) Benzo(a)anthracene	22.060	228	296720	44.249	ng	100
82) 3,3'-Dichlorobenzidine	21.954	252	60839	26.868	ng	99
83) Chrysene	22.130	228	273770	43.603	ng	99
84) Bis(2-ethylhexyl)phtha...	21.913	149	151608	45.395	ng	96
85) Di-n-octyl phthalate	23.223	149	255708	45.434	ng	100
87) Indeno(1,2,3-cd)pyrene	29.720	276	348795	46.434	ng	# 97
88) Benzo(b)fluoranthene	24.492	252	309550	48.703	ng	98
89) Benzo(k)fluoranthene	24.562	252	293849	46.310	ng	100
90) Benzo(a)pyrene	25.455	252	268199	42.942	ng	# 99
91) Dibenzo(a,h)anthracene	29.784	278	289811	46.937	ng	98
92) Benzo(g,h,i)perylene	31.012	276	277544	45.905	ng	98

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

