

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122023\
 Data File : BF136651.D
 Acq On : 20 Dec 2023 16:53
 Operator : CG\JU
 Sample : PB157585BS
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB157585BS

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 12/21/2023
 Supervised By :mohammad ahmed 12/21/2023

Quant Time: Dec 21 02:16:54 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 21 01:54:25 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.793	152	91874	20.000	ng	0.00
21) Naphthalene-d8	8.069	136	369581	20.000	ng	0.00
39) Acenaphthene-d10	9.828	164	193460	20.000	ng	0.00
64) Phenanthrene-d10	11.316	188	372219	20.000	ng	0.00
76) Chrysene-d12	13.974	240	200994	20.000	ng	# 0.00
86) Perylene-d12	15.445	264	161791	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.446	112	675436	114.708	ng	0.02
7) Phenol-d6	6.446	99	869867	114.009	ng	0.00
23) Nitrobenzene-d5	7.363	82	538992	74.627	ng	0.00
42) 2,4,6-Tribromophenol	10.628	330	265304	116.442	ng	0.00
45) 2-Fluorobiphenyl	9.151	172	1056361	73.441	ng	0.00
79) Terphenyl-d14	12.916	244	1117481	77.696	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.646	88	80864	32.960	ng	98
3) Pyridine	3.410	79	186562	31.166	ng	97
4) n-Nitrosodimethylamine	3.375	42	129030	40.364	ng	94
6) Aniline	6.463	93	268081	35.143	ng	# 65
8) 2-Chlorophenol	6.581	128	267229	41.471	ng	99
9) Benzaldehyde	6.346	77	94874	21.861	ng	95
10) Phenol	6.457	94	321141	39.429	ng	88
11) bis(2-Chloroethyl)ether	6.534	93	248661	40.145	ng	99
12) 1,3-Dichlorobenzene	6.734	146	259674	36.941	ng	99
13) 1,4-Dichlorobenzene	6.810	146	267558	37.251	ng	99
14) 1,2-Dichlorobenzene	6.963	146	252854	37.833	ng	99
15) Benzyl Alcohol	6.940	79	220195	42.778	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.069	45	407459	40.235	ng	100
17) 2-Methylphenol	7.057	107	216923	40.636	ng	98
18) Hexachloroethane	7.298	117	97617	37.423	ng	99
19) n-Nitroso-di-n-propyla...	7.216	70	184199	39.826	ng	95
20) 3+4-Methylphenols	7.210	107	265748	39.848	ng	# 77
22) Acetophenone	7.204	105	369678	39.907	ng	98
24) Nitrobenzene	7.381	77	276764	38.253	ng	95
25) Isophorone	7.616	82	517818	39.402	ng	99
26) 2-Nitrophenol	7.692	139	142117	41.056	ng	98
27) 2,4-Dimethylphenol	7.734	122	238482	56.590	ng	100
28) bis(2-Chloroethoxy)met...	7.828	93	317461	39.740	ng	98
29) 2,4-Dichlorophenol	7.934	162	220101	40.568	ng	97
30) 1,2,4-Trichlorobenzene	8.010	180	228480	37.797	ng	97
31) Naphthalene	8.092	128	768006	37.826	ng	100
32) Benzoic acid	7.881	122	177291	43.480	ng	97
33) 4-Chloroaniline	8.145	127	210369	28.062	ng	98
34) Hexachlorobutadiene	8.204	225	132569	36.096	ng	98
35) Caprolactam	8.528	113	76621m	42.809	ng	
36) 4-Chloro-3-methylphenol	8.640	107	250180	40.960	ng	99
37) 2-Methylnaphthalene	8.787	142	507076	38.806	ng	100
38) 1-Methylnaphthalene	8.887	142	466981	36.427	ng	100
40) 1,2,4,5-Tetrachloroben...	8.951	216	235172	39.252	ng	97
41) Hexachlorocyclopentadiene	8.934	237	210469	108.328	ng	99
43) 2,4,6-Trichlorophenol	9.063	196	160332	41.727	ng	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.116	196	175518	40.992	ng	# 94
46) 1,1'-Biphenyl	9.251	154	645978	39.791	ng	99
47) 2-Chloronaphthalene	9.275	162	478837	38.799	ng	99
48) 2-Nitroaniline	9.375	65	161537	41.798	ng	100
49) Acenaphthylene	9.692	152	756866	40.123	ng	99
50) Dimethylphthalate	9.557	163	579389	41.002	ng	98
51) 2,6-Dinitrotoluene	9.622	165	125394	39.100	ng	# 86
52) Acenaphthene	9.863	154	456304	39.023	ng	100
53) 3-Nitroaniline	9.792	138	113068	33.282	ng	91
54) 2,4-Dinitrophenol	9.904	184	146144	82.120	ng	# 89
55) Dibenzofuran	10.039	168	695043	39.211	ng	97
56) 4-Nitrophenol	9.969	139	192836	84.086	ng	94
57) 2,4-Dinitrotoluene	10.028	165	163183	39.196	ng	96
58) Fluorene	10.381	166	553527	39.356	ng	98
59) 2,3,4,6-Tetrachlorophenol	10.157	232	143436	43.518	ng	99
60) Diethylphthalate	10.263	149	589365	40.198	ng	99
61) 4-Chlorophenyl-phenyle...	10.375	204	261831	38.300	ng	95
62) 4-Nitroaniline	10.416	138	129169m	39.441	ng	
63) Azobenzene	10.534	77	545154	39.810	ng	99
65) 4,6-Dinitro-2-methylph...	10.439	198	96348	45.166	ng	100
66) n-Nitrosodiphenylamine	10.498	169	504318	41.709	ng	99
67) 4-Bromophenyl-phenylether	10.863	248	162892	39.405	ng	98
68) Hexachlorobenzene	10.928	284	181067	39.305	ng	98
69) Atrazine	11.033	200	195333	63.161	ng	98
70) Pentachlorophenol	11.128	266	179075	83.398	ng	97
71) Phenanthrene	11.345	178	784080	41.054	ng	99
72) Anthracene	11.398	178	794414	41.072	ng	100
73) Carbazole	11.557	167	725274	39.772	ng	99
74) Di-n-butylphthalate	11.886	149	926103	41.618	ng	100
75) Fluoranthene	12.539	202	809892	39.644	ng	99
77) Benzidine	12.663	184	186506	31.470	ng	100
78) Pyrene	12.769	202	803754	40.736	ng	99
80) Butylbenzylphthalate	13.392	149	317122	44.170	ng	99
81) Benzo(a)anthracene	13.963	228	562436	40.298	ng	99
82) 3,3'-Dichlorobenzidine	13.927	252	168393	42.485	ng	98
83) Chrysene	13.998	228	542154	39.723	ng	99
84) Bis(2-ethylhexyl)phtha...	13.951	149	400206	44.304	ng	98
85) Di-n-octyl phthalate	14.569	149	620364	44.397	ng	100
87) Indeno(1,2,3-cd)pyrene	16.951	276	542246	46.419	ng	100
88) Benzo(b)fluoranthene	15.016	252	464370	42.973	ng	99
89) Benzo(k)fluoranthene	15.045	252	471080	46.135	ng	99
90) Benzo(a)pyrene	15.386	252	403670	44.255	ng	99
91) Dibenzo(a,h)anthracene	16.974	278	456134	47.596	ng	97
92) Benzo(g,h,i)perylene	17.410	276	457964	46.657	ng	99

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

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