

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122723\
 Data File : BF136756.D
 Acq On : 27 Dec 2023 13:56
 Operator : CG\JU
 Sample : 05967-12MS
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :

BNA_F

ClientSampleId :

COLTOMS

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/28/2023

Supervised By :mohammad ahmed 12/28/2023

Quant Time: Dec 27 14:37:47 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	6.787	152	71330	20.000	ng	0.00
21) Naphthalene-d8	8.063	136	277226	20.000	ng	0.00
39) Acenaphthene-d10	9.822	164	137230	20.000	ng	0.00
64) Phenanthrene-d10	11.310	188	243937	20.000	ng	0.00
76) Chrysene-d12	13.968	240	127780	20.000	ng	# 0.00
86) Perylene-d12	15.445	264	149437	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	145743	31.880	ng	0.00
7) Phenol-d6	6.428	99	106759	18.022	ng	-0.01
23) Nitrobenzene-d5	7.351	82	347662	64.172	ng	0.00
42) 2,4,6-Tribromophenol	10.616	330	138932	85.963	ng	0.00
45) 2-Fluorobiphenyl	9.139	172	659508	64.638	ng	-0.01
79) Terphenyl-d14	12.904	244	599711	65.587	ng	-0.01
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.563	88	24814	13.027	ng	96
3) Pyridine	3.328	79	71038	15.285	ng	100
4) n-Nitrosodimethylamine	3.275	42	33839	13.635	ng	# 99
6) Aniline	6.445	93	89969	15.191	ng	# 86
8) 2-Chlorophenol	6.575	128	103399	20.668	ng	95
9) Benzaldehyde	6.340	77	45290	13.442	ng	96
10) Phenol	6.439	94	46800	7.401	ng	89
11) bis(2-Chloroethyl)ether	6.522	93	156913	32.629	ng	97
12) 1,3-Dichlorobenzene	6.728	146	170485	31.238	ng	96
13) 1,4-Dichlorobenzene	6.804	146	174736	31.335	ng	96
14) 1,2-Dichlorobenzene	6.951	146	164741	31.748	ng	99
15) Benzyl Alcohol	6.928	79	89887	22.492	ng	97
16) 2,2'-oxybis(1-Chloropr...	7.057	45	250828	31.902	ng	95
17) 2-Methylphenol	7.045	107	69242	16.707	ng	97
18) Hexachloroethane	7.292	117	62596	30.909	ng	92
19) n-Nitroso-di-n-propyla...	7.198	70	116188	32.356	ng	93
20) 3+4-Methylphenols	7.204	107	75683	14.617	ng	# 54
22) Acetophenone	7.192	105	240622	34.629	ng	# 88
24) Nitrobenzene	7.369	77	171926	31.680	ng	94
25) Isophorone	7.604	82	315294	31.984	ng	99
26) 2-Nitrophenol	7.681	139	63400	24.417	ng	99
27) 2,4-Dimethylphenol	7.722	122	88733	28.070	ng	98
28) bis(2-Chloroethoxy)met...	7.816	93	194339	32.432	ng	99
29) 2,4-Dichlorophenol	7.928	162	93504	22.976	ng	96
30) 1,2,4-Trichlorobenzene	8.004	180	143969	31.750	ng	98
31) Naphthalene	8.086	128	475857	31.245	ng	100
32) Benzoic acid	7.804	122	14456m	4.726	ng	
33) 4-Chloroaniline	8.133	127	64837	11.530	ng	98
34) Hexachlorobutadiene	8.198	225	85271	30.952	ng	96
35) Caprolactam	8.486	113	6938m	5.168	ng	
36) 4-Chloro-3-methylphenol	8.622	107	95878	20.927	ng	95
37) 2-Methylnaphthalene	8.775	142	303891	31.004	ng	99
38) 1-Methylnaphthalene	8.875	142	294368	30.612	ng	96
40) 1,2,4,5-Tetrachloroben...	8.945	216	153289	36.069	ng	100
41) Hexachlorocyclopentadiene	8.928	237	112000	82.490	ng	98
43) 2,4,6-Trichlorophenol	9.057	196	67593	24.800	ng	100

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122723\
 Data File : BF136756.D
 Acq On : 27 Dec 2023 13:56
 Operator : CG\JU
 Sample : 05967-12MS
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COLTOMS

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 12/28/2023
 Supervised By :mohammad ahmed 12/28/2023

Quant Time: Dec 27 14:37:47 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)
44) 2,4,5-Trichlorophenol	9.104	196	72173	23.763	ng	97
46) 1,1'-Biphenyl	9.239	154	399114	34.658	ng	99
47) 2-Chloronaphthalene	9.269	162	287725	32.866	ng	98
48) 2-Nitroaniline	9.369	65	94029	34.299	ng	93
49) Acenaphthylene	9.680	152	479775	35.855	ng	99
50) Dimethylphthalate	9.545	163	333304	33.252	ng	98
51) 2,6-Dinitrotoluene	9.610	165	74890	32.921	ng	90
52) Acenaphthene	9.857	154	273713	32.999	ng	99
53) 3-Nitroaniline	9.775	138	41253	17.119	ng	99
54) 2,4-Dinitrophenol	9.892	184	39774	33.809	ng	94
55) Dibenzofuran	10.028	168	419067	33.329	ng	98
56) 4-Nitrophenol	9.957	139	20075m	12.340	ng	
57) 2,4-Dinitrotoluene	10.016	165	94017	31.835	ng	95
58) Fluorene	10.369	166	328322	32.909	ng	97
59) 2,3,4,6-Tetrachlorophenol	10.151	232	56107	23.998	ng	97
60) Diethylphthalate	10.245	149	344791	33.153	ng	99
61) 4-Chlorophenyl-phenyle...	10.363	204	155961	32.162	ng	99
62) 4-Nitroaniline	10.392	138	67876m	29.218	ng	
63) Azobenzene	10.527	77	319511	32.893	ng	97
65) 4,6-Dinitro-2-methylph...	10.427	198	29790	21.309	ng	89
66) n-Nitrosodiphenylamine	10.486	169	286020	36.095	ng	97
67) 4-Bromophenyl-phenylether	10.857	248	94948	35.048	ng	93
68) Hexachlorobenzene	10.922	284	104186	34.510	ng	97
69) Atrazine	11.016	200	91504	45.148	ng	99
70) Pentachlorophenol	11.122	266	56026	39.813	ng	99
71) Phenanthrene	11.339	178	433699	34.650	ng	100
72) Anthracene	11.392	178	438057	34.558	ng	99
73) Carbazole	11.545	167	380762	31.860	ng	99
74) Di-n-butylphthalate	11.880	149	517484	35.485	ng	99
75) Fluoranthene	12.533	202	404466	30.210	ng	99
77) Benzidine	12.657	184	105814	28.085	ng	99
78) Pyrene	12.763	202	394745	31.469	ng	99
80) Butylbenzylphthalate	13.386	149	161058	35.286	ng	99
81) Benzo(a)anthracene	13.957	228	293288	33.054	ng	98
82) 3,3'-Dichlorobenzidine	13.921	252	48666	19.313	ng	99
83) Chrysene	13.992	228	281636	32.459	ng	99
84) Bis(2-ethylhexyl)phtha...	13.945	149	217215	37.824	ng	100
85) Di-n-octyl phthalate	14.563	149	352107	39.638	ng	98
87) Indeno(1,2,3-cd)pyrene	16.956	276	357382	33.123	ng	98
88) Benzo(b)fluoranthene	15.015	252	307726	30.831	ng	99
89) Benzo(k)fluoranthene	15.045	252	276525	29.320	ng	100
90) Benzo(a)pyrene	15.386	252	274542	32.586	ng	99
91) Dibenzo(a,h)anthracene	16.968	278	297590	33.619	ng	98
92) Benzo(g,h,i)perylene	17.409	276	273194	30.134	ng	99

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

