

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022624\
 Data File : BF137396.D
 Acq On : 26 Feb 2024 20:31
 Operator : CG\JU
 Sample : P1538-16MSD
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 20241107-AMENDED-COMPOSITE-35N-N-4-06MSD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 02/27/2024
 Supervised By :mohammad ahmed 02/27/2024

Quant Time: Feb 27 00:59:46 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022324.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Feb 24 04:23:49 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	207541	20.000	ng	-0.02
21) Naphthalene-d8	8.063	136	782513	20.000	ng	-0.02
39) Acenaphthene-d10	9.822	164	383489	20.000	ng	-0.01
64) Phenanthrene-d10	11.310	188	536882	20.000	ng	-0.02
76) Chrysene-d12	13.968	240	353320	20.000	ng	-0.01
86) Perylene-d12	15.445	264	426375	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	104299	7.754	ng	0.00
7) Phenol-d6	6.422	99	634918	32.090	ng	-0.02
23) Nitrobenzene-d5	7.345	82	1083976	69.158	ng	-0.02
42) 2,4,6-Tribromophenol	10.610	330	11884	3.559	ng	-0.02
45) 2-Fluorobiphenyl	9.139	172	1440831	58.493	ng	-0.02
79) Terphenyl-d14	12.910	244	1213656	48.045	ng	-0.02
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.616	88	327101	44.394	ng	99
3) Pyridine	3.363	79	768999	41.176	ng	99
4) n-Nitrosodimethylamine	3.340	42	362008	50.752	ng	98
6) Aniline	6.451	93	516083	21.995	ng	93
8) 2-Chlorophenol	6.569	128	702142	48.671	ng	100
9) Benzaldehyde	6.334	77	109527	11.498	ng	90
10) Phenol	6.440	94	1001186	46.236	ng	99
11) bis(2-Chloroethyl)ether	6.522	93	769267	48.890	ng	97
12) 1,3-Dichlorobenzene	6.722	146	744166	48.036	ng	99
13) 1,4-Dichlorobenzene	6.798	146	764550	47.934	ng	99
14) 1,2-Dichlorobenzene	6.951	146	719294	48.754	ng	98
15) Benzyl Alcohol	6.928	79	649149	55.040	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.057	45	1241094	47.455	ng	99
17) 2-Methylphenol	7.045	107	560945	41.096	ng	97
18) Hexachloroethane	7.292	117	254514	46.306	ng	99
19) n-Nitroso-di-n-propyla...	7.204	70	531286	43.575	ng	97
20) 3+4-Methylphenols	7.198	107	672146	43.204	ng	# 91
22) Acetophenone	7.192	105	951019	50.119	ng	# 96
24) Nitrobenzene	7.369	77	808129	50.741	ng	99
25) Isophorone	7.604	82	1536488	47.403	ng	99
26) 2-Nitrophenol	7.681	139	351323	57.140	ng	97
27) 2,4-Dimethylphenol	7.722	122	498718	41.836	ng	98
28) bis(2-Chloroethoxy)met...	7.816	93	914742	48.962	ng	99
29) 2,4-Dichlorophenol	7.922	162	546733	48.935	ng	98
30) 1,2,4-Trichlorobenzene	8.004	180	590940	49.276	ng	100
31) Naphthalene	8.087	128	1969832	46.908	ng	99
32) Benzoic acid	7.857	122	354970	48.567	ng	95
33) 4-Chloroaniline	8.139	127	121664	7.617	ng	96
34) Hexachlorobutadiene	8.198	225	348464	48.912	ng	98
35) Caprolactam	8.510	113	161107m	46.628	ng	
36) 4-Chloro-3-methylphenol	8.628	107	569283	44.944	ng	97
37) 2-Methylnaphthalene	8.775	142	1168912	43.198	ng	99
38) 1-Methylnaphthalene	8.875	142	1091792	42.675	ng	99
40) 1,2,4,5-Tetrachloroben...	8.939	216	564245	53.420	ng	97
43) 2,4,6-Trichlorophenol	9.057	196	354710	51.794	ng	99
44) 2,4,5-Trichlorophenol	9.104	196	348960	44.414	ng	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) 1,1'-Biphenyl	9.245	154	1412516	50.572	ng	97
47) 2-Chloronaphthalene	9.263	162	1076268	51.024	ng	98
48) 2-Nitroaniline	9.369	65	343087	53.063	ng	96
49) Acenaphthylene	9.681	152	1680951	49.049	ng	99
50) Dimethylphthalate	9.551	163	1278481	48.247	ng	98
51) 2,6-Dinitrotoluene	9.610	165	261846	53.115	ng	90
52) Acenaphthene	9.851	154	953863	46.627	ng	99
53) 3-Nitroaniline	9.781	138	167659	30.660	ng	98
54) 2,4-Dinitrophenol	9.886	184	165600	69.142	ng	94
55) Dibenzofuran	10.028	168	1443777	45.663	ng	100
56) 4-Nitrophenol	9.945	139	325227	78.014	ng	93
57) 2,4-Dinitrotoluene	10.016	165	318036	50.960	ng	95
58) Fluorene	10.369	166	1043237	43.205	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.145	232	243526m	37.429	ng	
60) Diethylphthalate	10.251	149	1179929	47.692	ng	100
61) 4-Chlorophenyl-phenyle...	10.363	204	514607	43.325	ng	98
62) 4-Nitroaniline	10.398	138	196790	38.305	ng	99
63) Azobenzene	10.528	77	1306377	44.134	ng	98
65) 4,6-Dinitro-2-methylph...	10.422	198	124566	47.501	ng	84
66) n-Nitrosodiphenylamine	10.486	169	916822	52.581	ng	98
67) 4-Bromophenyl-phenylether	10.857	248	301511	52.240	ng	93
68) Hexachlorobenzene	10.916	284	309319	51.807	ng	96
69) Atrazine	11.022	200	244290	51.915	ng	98
70) Pentachlorophenol	11.116	266	294047	77.732	ng	99
71) Phenanthrene	11.339	178	1416789	47.831	ng	99
72) Anthracene	11.386	178	1453746	47.624	ng	100
73) Carbazole	11.545	167	1169359	44.836	ng	99
74) Di-n-butylphthalate	11.886	149	1563097	59.896	ng	100
75) Fluoranthene	12.545	202	1279193	44.242	ng	99
77) Benzidine	12.663	184	131692	25.610	ng	99
78) Pyrene	12.763	202	1323140	39.604	ng	100
80) Butylbenzylphthalate	13.392	149	310784	58.475	ng	94
81) Benzo(a)anthracene	13.957	228	1240744	50.607	ng	98
82) 3,3'-Dichlorobenzidine	13.927	252	316239	54.546	ng	99
83) Chrysene	13.992	228	1226937	48.988	ng	100
84) Bis(2-ethylhexyl)phtha...	13.957	149	503726	69.479	ng	100
85) Di-n-octyl phthalate	14.580	149	1113864	76.121	ng	# 91
87) Indeno(1,2,3-cd)pyrene	16.945	276	1109482	37.986	ng	100
88) Benzo(b)fluoranthene	15.015	252	1335213	51.048	ng	99
89) Benzo(k)fluoranthene	15.045	252	1278261	46.628	ng	99
90) Benzo(a)pyrene	15.386	252	1227500	49.476	ng	99
91) Dibenzo(a,h)anthracene	16.968	278	896398	37.406	ng	96
92) Benzo(g,h,i)perylene	17.398	276	802205	32.764	ng	99

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

