Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050125\
Data File : BF142270.D
Acq On : 01 May 2025 19:52
Operator : RC/JU
Sample : Q1901-02MSD
Misc :
ALS Vial : 22 Sample Multiplier: 1

Quant Time: May 02 01:08:53 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 30 16:00:01 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
B-167-SB01MSD

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 05/02/2025
Supervised By :Jagrut Upadhyay 05/02/2025

05/02/2025
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05/02/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.910	152	204570	20.000	ng		0.00
21) Naphthalene-d8	8.187	136	762454	20.000	ng		0.00
39) Acenaphthene-d10	9.945	164	351872	20.000	ng		0.00
64) Phenanthrene-d10	11.428	188	496148	20.000	ng		0.00
76) Chrysene-d12	14.069	240	429879	20.000	ng		0.00
86) Perylene-d12	15.557	264	473333	20.000	ng		-0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.522	112	1098118	85.729	ng		0.00
7) Phenol-d6	6.528	99	1349184	87.225	ng		0.00
23) Nitrobenzene-d5	7.469	82	776525	66.910	ng		0.00
42) 2,4,6-Tribromophenol	10.733	330	286287	89.247	ng		0.00
45) 2-Fluorobiphenyl	9.263	172	1541618	61.773	ng		0.00
79) Terphenyl-d14	13.016	244	1244500	42.105	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.758	88	213600	37.338	ng		98
3) Pyridine	3.516	79	586468	39.445	ng		99
4) n-Nitrosodimethylamine	3.463	42	336346	43.715	ng		99
6) Aniline	6.569	93	640860	29.271	ng		99
8) 2-Chlorophenol	6.687	128	576726	43.572	ng		98
9) Benzaldehyde	6.457	77	286273	26.480	ng		99
10) Phenol	6.540	94	699472m	42.004	ng		
11) bis(2-Chloroethyl)ether	6.640	93	555314	43.034	ng		99
12) 1,3-Dichlorobenzene	6.851	146	628881	41.999	ng		99
13) 1,4-Dichlorobenzene	6.928	146	637600	42.264	ng		99
14) 1,2-Dichlorobenzene	7.075	146	614756	42.685	ng		99
15) Benzyl Alcohol	7.045	79	471490	42.978	ng		100
16) 2,2'-oxybis(1-Chloropr...	7.181	45	1026846	44.067	ng		99
17) 2-Methylphenol	7.151	107	446076	41.139	ng		99
18) Hexachloroethane	7.422	117	224222	45.411	ng		99
19) n-Nitroso-di-n-propyla...	7.316	70	396481	41.480	ng		98
20) 3+4-Methylphenols	7.304	107	559745	41.280	ng	#	90
22) Acetophenone	7.316	105	751886	42.626	ng	#	97
24) Nitrobenzene	7.487	77	567935	49.874	ng		100
25) Isophorone	7.728	82	1049987	43.109	ng		99
26) 2-Nitrophenol	7.804	139	270273	54.552	ng		98
27) 2,4-Dimethylphenol	7.834	122	530664	43.212	ng		99
28) bis(2-Chloroethoxy)met...	7.934	93	677074	44.077	ng		99
29) 2,4-Dichlorophenol	8.040	162	450996	43.927	ng		99
30) 1,2,4-Trichlorobenzene	8.128	180	505370	44.110	ng		100
31) Naphthalene	8.210	128	1631154	42.898	ng		100
32) Benzoic acid	7.934	122	285536	48.669	ng		99
33) 4-Chloroaniline	8.251	127	188949	11.933	ng		99
34) Hexachlorobutadiene	8.328	225	308153	46.100	ng		99
35) Caprolactam	8.616	113	124087m	40.210	ng		
36) 4-Chloro-3-methylphenol	8.728	107	428130	40.609	ng		98
37) 2-Methylnaphthalene	8.898	142	977255	41.802	ng		99
38) 1-Methylnaphthalene	8.998	142	999740	41.279	ng		100
40) 1,2,4,5-Tetrachloroben...	9.069	216	471907	47.654	ng		99
41) Hexachlorocyclopentadiene	9.057	237	554087	98.586	ng		100
43) 2,4,6-Trichlorophenol	9.175	196	305921	49.853	ng		99

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.210	196	297440	46.102	ng		99
46) 1,1'-Biphenyl	9.363	154	1272788	46.529	ng		99
47) 2-Chloronaphthalene	9.392	162	925740	45.486	ng		99
48) 2-Nitroaniline	9.481	65	252309	47.110	ng		98
49) Acenaphthylene	9.804	152	1503902	43.790	ng		100
50) Dimethylphthalate	9.663	163	1015217	45.099	ng		100
51) 2,6-Dinitrotoluene	9.722	165	204319	47.378	ng		98
52) Acenaphthene	9.981	154	931022	46.429	ng		98
53) 3-Nitroaniline	9.886	138	121932	24.861	ng	#	96
54) 2,4-Dinitrophenol	9.992	184	131189	84.371	ng	#	41
55) Dibenzofuran	10.151	168	1290218	42.922	ng		99
56) 4-Nitrophenol	10.039	139	316946	89.575	ng		99
57) 2,4-Dinitrotoluene	10.122	165	249724	47.801	ng		99
58) Fluorene	10.492	166	945333	41.360	ng		99
59) 2,3,4,6-Tetrachlorophenol	10.263	232	232642	43.531	ng		99
60) Diethylphthalate	10.363	149	980867	44.125	ng		100
61) 4-Chlorophenyl-phenyle...	10.486	204	467320	43.054	ng		97
62) 4-Nitroaniline	10.504	138	182663	38.819	ng		95
63) Azobenzene	10.645	77	1027831	46.824	ng		96
65) 4,6-Dinitro-2-methylph...	10.528	198	85960	51.580	ng		96
66) n-Nitrosodiphenylamine	10.604	169	816949	48.191	ng		99
67) 4-Bromophenyl-phenylether	10.975	248	278827	50.462	ng		99
68) Hexachlorobenzene	11.039	284	292279	47.230	ng		99
69) Atrazine	11.128	200	232637	52.062	ng		99
70) Pentachlorophenol	11.228	266	317591	97.144	ng		98
71) Phenanthrene	11.457	178	1239899	46.265	ng		100
72) Anthracene	11.504	178	1211937	44.230	ng		99
73) Carbazole	11.657	167	1076493	43.067	ng		99
74) Di-n-butylphthalate	11.992	149	1373313	54.629	ng		100
75) Fluoranthene	12.645	202	1282408	48.407	ng		99
77) Benzidine	12.763	184	472493	25.867	ng		99
78) Pyrene	12.869	202	1332351	33.599	ng		99
80) Butylbenzylphthalate	13.492	149	544307	50.031	ng		99
81) Benzo(a)anthracene	14.063	228	1310994	45.428	ng		99
82) 3,3'-Dichlorobenzidine	14.022	252	285891	33.727	ng		99
83) Chrysene	14.098	228	1182323	45.008	ng		99
84) Bis(2-ethylhexyl)phtha...	14.051	149	774590	51.320	ng		100
85) Di-n-octyl phthalate	14.669	149	1467740	52.643	ng	#	99
87) Indeno(1,2,3-cd)pyrene	17.068	276	1135807	32.760	ng		99
88) Benzo(b)fluoranthene	15.121	252	1429910	48.634	ng		100
89) Benzo(k)fluoranthene	15.157	252	1218152	45.297	ng		99
90) Benzo(a)pyrene	15.498	252	1262185	46.890	ng		100
91) Dibenzo(a,h)anthracene	17.086	278	932712	33.147	ng		99
92) Benzo(g,h,i)perylene	17.521	276	856464	30.277	ng		100

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

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