Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012725\
Data File : BF141271.D
Acq On : 27 Jan 2025 14:38
Operator : RC/JU
Sample : Q1187-01MS
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jan 27 15:07:17 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 10 22:54:19 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SP-COMPMS

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 01/28/2025
Supervised By :mohammad ahmed 01/31/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.804	152	154914	20.000	ng		-0.02
21) Naphthalene-d8	8.086	136	607487	20.000	ng		-0.02
39) Acenaphthene-d10	9.845	164	305286	20.000	ng		-0.02
64) Phenanthrene-d10	11.333	188	486603	20.000	ng		-0.01
76) Chrysene-d12	13.980	240	375115	20.000	ng		0.00
86) Perylene-d12	15.445	264	430944	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.428	112	1034255	103.136	ng		0.00
7) Phenol-d6	6.440	99	1283464	101.039	ng		0.00
23) Nitrobenzene-d5	7.369	82	824727	71.964	ng		-0.02
42) 2,4,6-Tribromophenol	10.639	330	396832	114.080	ng		-0.01
45) 2-Fluorobiphenyl	9.163	172	1550967	77.580	ng		-0.02
79) Terphenyl-d14	12.921	244	1554891	61.609	ng		-0.01
Target Compounds							Qvalue
2) 1,4-Dioxane	2.593	88	188165	42.136	ng		98
3) Pyridine	3.328	79	474709	43.349	ng		94
4) n-Nitrosodimethylamine	3.275	42	240805	44.972	ng		94
6) Aniline	6.469	93	386750	34.293	ng		93
8) 2-Chlorophenol	6.592	128	526530	48.939	ng		95
9) Benzaldehyde	6.351	77	52363	6.999	ng		97
10) Phenol	6.451	94	632814	46.538	ng		96
11) bis(2-Chloroethyl)ether	6.540	93	482201	47.584	ng		98
12) 1,3-Dichlorobenzene	6.745	146	554204	46.186	ng		99
13) 1,4-Dichlorobenzene	6.822	146	566204	46.825	ng		100
14) 1,2-Dichlorobenzene	6.975	146	536334	47.550	ng		98
15) Benzyl Alcohol	6.945	79	444908	48.499	ng		99
16) 2,2'-oxybis(1-Chloropr...	7.081	45	650871	46.027	ng		95
17) 2-Methylphenol	7.057	107	409331	47.125	ng		99
18) Hexachloroethane	7.316	117	210058	48.037	ng		98
19) n-Nitroso-di-n-propyla...	7.216	70	343184	45.864	ng		98
20) 3+4-Methylphenols	7.210	107	492890	44.978	ng	#	83
22) Acetophenone	7.216	105	668176	46.268	ng		98
24) Nitrobenzene	7.387	77	530666	44.430	ng		98
25) Isophorone	7.628	82	941004	48.047	ng		98
26) 2-Nitrophenol	7.704	139	280538	51.635	ng		99
27) 2,4-Dimethylphenol	7.739	122	405723	55.362	ng		97
28) bis(2-Chloroethoxy)met...	7.839	93	582556	47.396	ng		100
29) 2,4-Dichlorophenol	7.945	162	418475	48.080	ng		98
30) 1,2,4-Trichlorobenzene	8.028	180	460630	46.300	ng		100
31) Naphthalene	8.110	128	1495275	46.674	ng		100
32) Benzoic acid	7.845	122	187508m	26.672	ng		
33) 4-Chloroaniline	8.157	127	228472	20.621	ng		98
34) Hexachlorobutadiene	8.228	225	284895	47.524	ng		99
35) Caprolactam	8.522	113	117780m	41.333	ng		
36) 4-Chloro-3-methylphenol	8.639	107	440638	46.291	ng		99
37) 2-Methylnaphthalene	8.798	142	967976	47.416	ng		100
38) 1-Methylnaphthalene	8.898	142	899757	44.721	ng		99
40) 1,2,4,5-Tetrachloroben...	8.969	216	447310	51.049	ng		99
41) Hexachlorocyclopentadiene	8.951	237	546281	190.559	ng		99
43) 2,4,6-Trichlorophenol	9.081	196	298497	50.510	ng		99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.122	196	302346	48.443	ng	99
46) 1,1'-Biphenyl	9.263	154	1179718	49.759	ng	100
47) 2-Chloronaphthalene	9.292	162	883759	47.859	ng	99
48) 2-Nitroaniline	9.386	65	261029	47.686	ng	98
49) Acenaphthylene	9.704	152	1354719	51.349	ng	100
50) Dimethylphthalate	9.569	163	1012627	49.408	ng	100
51) 2,6-Dinitrotoluene	9.628	165	225206	47.252	ng	99
52) Acenaphthene	9.880	154	952041	51.651	ng	100
53) 3-Nitroaniline	9.798	138	139626	28.829	ng	98
54) 2,4-Dinitrophenol	9.904	184	179318	79.155	ng	96
55) Dibenzofuran	10.051	168	1224973	48.860	ng	99
56) 4-Nitrophenol	9.963	139	373334	98.424	ng	99
57) 2,4-Dinitrotoluene	10.033	165	301598	49.103	ng	99
58) Fluorene	10.392	166	918065	47.134	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.169	232	252990	48.766	ng	98
60) Diethylphthalate	10.269	149	968367	48.398	ng	99
61) 4-Chlorophenyl-phenyle...	10.386	204	455963	48.030	ng	99
62) 4-Nitroaniline	10.410	138	225675	47.607	ng	99
63) Azobenzene	10.551	77	1017954	51.561	ng	92
65) 4,6-Dinitro-2-methylph...	10.445	198	142693	50.605	ng	93
66) n-Nitrosodiphenylamine	10.504	169	821061	52.313	ng	99
67) 4-Bromophenyl-phenylether	10.880	248	297646	53.130	ng	97
68) Hexachlorobenzene	10.945	284	325884	52.255	ng	96
69) Atrazine	11.033	200	270880	64.098	ng	99
70) Pentachlorophenol	11.139	266	355783	89.084	ng	99
71) Phenanthrene	11.357	178	1335273	51.113	ng	100
72) Anthracene	11.410	178	1377681	54.236	ng	100
73) Carbazole	11.563	167	1189815	51.083	ng	100
74) Di-n-butylphthalate	11.898	149	1418227	53.206	ng	100
75) Fluoranthene	12.545	202	1364938	52.358	ng	99
77) Benzidine	12.669	184	419579	60.317	ng	99
78) Pyrene	12.774	202	1392417	38.864	ng	100
80) Butylbenzylphthalate	13.398	149	555474	46.501	ng	98
81) Benzo(a)anthracene	13.968	228	1233024	48.299	ng	99
82) 3,3'-Dichlorobenzidine	13.933	252	283738	34.905	ng	99
83) Chrysene	14.004	228	1153957	48.309	ng	100
84) Bis(2-ethylhexyl)phtha...	13.963	149	731820	51.059	ng	99
85) Di-n-octyl phthalate	14.586	149	1331416	61.516	ng	97
87) Indeno(1,2,3-cd)pyrene	16.904	276	1566112	49.604	ng	98
88) Benzo(b)fluoranthene	15.021	252	1433204	51.575	ng	100
89) Benzo(k)fluoranthene	15.051	252	1143108	48.676	ng	99
90) Benzo(a)pyrene	15.386	252	1241596	54.154	ng	99
91) Dibenzo(a,h)anthracene	16.927	278	1256938	49.223	ng	97
92) Benzo(g,h,i)perylene	17.345	276	1198815	45.134	ng	99

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

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