Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051225\
Data File : BF142324.D
Acq On : 12 May 2025 17:10
Operator : RC/JU
Sample : Q1983-06MSD
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-636-COMP-01MSD

Quant Time: May 12 17:45:31 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon May 05 18:41:44 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.904	152	202795	20.000	ng		0.00
21) Naphthalene-d8	8.187	136	781341	20.000	ng		0.00
39) Acenaphthene-d10	9.939	164	411558	20.000	ng		0.00
64) Phenanthrene-d10	11.427	188	662613	20.000	ng		0.00
76) Chrysene-d12	14.068	240	385368	20.000	ng		0.00
86) Perylene-d12	15.557	264	432407	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.528	112	1323781	111.433	ng		0.02
7) Phenol-d6	6.528	99	1512835	103.540	ng		0.00
23) Nitrobenzene-d5	7.463	82	1038854	81.087	ng		0.00
42) 2,4,6-Tribromophenol	10.733	330	526968	132.620	ng		0.00
45) 2-Fluorobiphenyl	9.263	172	2133804	73.927	ng		0.00
79) Terphenyl-d14	13.016	244	1871660	71.886	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.834	88	165809	30.994	ng	#	82
3) Pyridine	3.546	79	431400	34.347	ng		98
4) n-Nitrosodimethylamine	3.487	42	266828	36.553	ng		98
6) Aniline	6.569	93	454229	31.695	ng		99
8) 2-Chlorophenol	6.687	128	521728	41.098	ng		98
9) Benzaldehyde	6.457	77	129791	15.178	ng		100
10) Phenol	6.540	94	577782	37.305	ng		96
11) bis(2-Chloroethyl)ether	6.640	93	505499	33.097	ng		99
12) 1,3-Dichlorobenzene	6.845	146	477428	32.873	ng		98
13) 1,4-Dichlorobenzene	6.922	146	488916	33.528	ng		99
14) 1,2-Dichlorobenzene	7.075	146	479613	34.266	ng		99
15) Benzyl Alcohol	7.040	79	418276	44.210	ng		99
16) 2,2'-oxybis(1-Chloropr...	7.175	45	848813	37.216	ng		100
17) 2-Methylphenol	7.151	107	415644	40.441	ng		99
18) Hexachloroethane	7.416	117	162669	33.528	ng		99
19) n-Nitroso-di-n-propyla...	7.316	70	356953	39.495	ng		97
20) 3+4-Methylphenols	7.304	107	515244	40.169	ng	#	87
22) Acetophenone	7.310	105	683398	39.337	ng		97
24) Nitrobenzene	7.487	77	517369	42.841	ng		97
25) Isophorone	7.722	82	996969	41.094	ng		99
26) 2-Nitrophenol	7.798	139	244406	42.499	ng		99
27) 2,4-Dimethylphenol	7.834	122	521722	42.773	ng		99
28) bis(2-Chloroethoxy)met...	7.934	93	629945	40.381	ng		99
29) 2,4-Dichlorophenol	8.039	162	463208	44.668	ng		99
30) 1,2,4-Trichlorobenzene	8.128	180	445307	38.156	ng		99
31) Naphthalene	8.210	128	1484514	39.202	ng		100
32) Benzoic acid	7.934	122	245057m	39.755	ng		
33) 4-Chloroaniline	8.281	127	106149m	6.870	ng		
34) Hexachlorobutadiene	8.328	225	259886	37.606	ng		99
35) Caprolactam	8.616	113	122180m	40.426	ng		
36) 4-Chloro-3-methylphenol	8.734	107	473607	43.935	ng		98
37) 2-Methylnaphthalene	8.898	142	963300	40.938	ng		99
38) 1-Methylnaphthalene	8.998	142	996234	40.621	ng		100
40) 1,2,4,5-Tetrachloroben...	9.063	216	471298	41.002	ng		99
41) Hexachlorocyclopentadiene	9.051	237	533254	75.066	ng		100
43) 2,4,6-Trichlorophenol	9.175	196	331968	45.787	ng		98

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.216	196	353343	45.803	ng		99
46) 1,1'-Biphenyl	9.363	154	1328874	42.112	ng		99
47) 2-Chloronaphthalene	9.386	162	972939	41.459	ng		99
48) 2-Nitroaniline	9.481	65	292851	48.685	ng		94
49) Acenaphthylene	9.804	152	1653983	42.131	ng		100
50) Dimethylphthalate	9.663	163	1185215	44.848	ng		100
51) 2,6-Dinitrotoluene	9.722	165	251074	50.756	ng		94
52) Acenaphthene	9.975	154	1042029	44.144	ng		100
53) 3-Nitroaniline	9.892	138	169421	29.203	ng		96
54) 2,4-Dinitrophenol	9.992	184	164296	65.067	ng	#	25
55) Dibenzofuran	10.151	168	1462393	41.978	ng		100
56) 4-Nitrophenol	10.045	139	343810	78.741	ng		96
57) 2,4-Dinitrotoluene	10.128	165	332852	52.457	ng		97
58) Fluorene	10.492	166	1118204	42.060	ng		100
59) 2,3,4,6-Tetrachlorophenol	10.263	232	295712	46.435	ng		98
60) Diethylphthalate	10.363	149	1176564	44.581	ng		100
61) 4-Chlorophenyl-phenyle...	10.480	204	549809	42.865	ng		99
62) 4-Nitroaniline	10.504	138	239904	52.174	ng		100
63) Azobenzene	10.645	77	1050922	41.671	ng		98
65) 4,6-Dinitro-2-methylph...	10.533	198	116145	39.159	ng		96
66) n-Nitrosodiphenylamine	10.604	169	990288	44.913	ng		99
67) 4-Bromophenyl-phenylether	10.975	248	337613	44.957	ng		97
68) Hexachlorobenzene	11.039	284	373394	45.203	ng		97
69) Atrazine	11.127	200	292643	50.350	ng		99
70) Pentachlorophenol	11.227	266	390889	89.951	ng		98
71) Phenanthrene	11.457	178	1515338	43.629	ng		99
72) Anthracene	11.504	178	1536092	43.043	ng		100
73) Carbazole	11.657	167	1345792	42.033	ng		100
74) Di-n-butylphthalate	11.992	149	1661239	49.342	ng		100
75) Fluoranthene	12.639	202	1411611	40.658	ng		100
77) Benzidine	12.763	184	457156	65.278	ng		99
78) Pyrene	12.869	202	1388661	40.484	ng		100
80) Butylbenzylphthalate	13.486	149	501801	49.966	ng		99
81) Benzo(a)anthracene	14.057	228	1093875	43.831	ng		100
82) 3,3'-Dichlorobenzidine	14.021	252	194325	33.483	ng		99
83) Chrysene	14.098	228	1061591	45.693	ng		99
84) Bis(2-ethylhexyl)phtha...	14.051	149	663475	50.640	ng		99
85) Di-n-octyl phthalate	14.663	149	1093559	46.767	ng		98
87) Indeno(1,2,3-cd)pyrene	17.068	276	1110913	36.932	ng		99
88) Benzo(b)fluoranthene	15.121	252	1133794	43.293	ng		99
89) Benzo(k)fluoranthene	15.151	252	1156536	48.257	ng		100
90) Benzo(a)pyrene	15.498	252	1089414	46.421	ng		99
91) Dibenzo(a,h)anthracene	17.086	278	884370	35.588	ng		99
92) Benzo(g,h,i)perylene	17.521	276	865894	35.108	ng		99

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

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