Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051525\
Data File : BF142402.D
Acq On : 15 May 2025 20:07
Operator : RC/JU
Sample : Q2022-04MSD
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
COMP-2MSD

Quant Time: May 16 01:08:50 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	162790	20.000	ng		0.00
21) Naphthalene-d8	8.187	136	620987	20.000	ng		0.00
39) Acenaphthene-d10	9.939	164	338192	20.000	ng		0.00
64) Phenanthrene-d10	11.428	188	579758	20.000	ng		0.00
76) Chrysene-d12	14.069	240	357299	20.000	ng		0.00
86) Perylene-d12	15.557	264	357885	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.516	112	683968	71.723	ng		0.00
7) Phenol-d6	6.522	99	874017	74.519	ng		0.00
23) Nitrobenzene-d5	7.463	82	499200	49.026	ng		0.00
42) 2,4,6-Tribromophenol	10.728	330	290914	89.096	ng		0.00
45) 2-Fluorobiphenyl	9.257	172	1024155	43.180	ng		0.00
79) Terphenyl-d14	13.010	244	927111	38.405	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.734	88	154189	35.905	ng		97
3) Pyridine	3.493	79	411446	40.809	ng		97
4) n-Nitrosodimethylamine	3.446	42	233397	39.830	ng		98
6) Aniline	6.563	93	542750	47.178	ng		99
8) 2-Chlorophenol	6.687	128	452954	44.449	ng		97
9) Benzaldehyde	6.451	77	281144	40.956	ng		99
10) Phenol	6.540	94	564784	45.427	ng		98
11) bis(2-Chloroethyl)ether	6.634	93	413875	33.757	ng		98
12) 1,3-Dichlorobenzene	6.845	146	483001	41.429	ng		98
13) 1,4-Dichlorobenzene	6.922	146	489009	41.776	ng		99
14) 1,2-Dichlorobenzene	7.069	146	474059	42.192	ng		100
15) Benzyl Alcohol	7.040	79	364826	48.036	ng		99
16) 2,2'-oxybis(1-Chloropr...	7.175	45	705373	38.527	ng		100
17) 2-Methylphenol	7.151	107	352891	42.774	ng		99
18) Hexachloroethane	7.416	117	166695	42.801	ng		98
19) n-Nitroso-di-n-propyla...	7.310	70	293904	40.511	ng		99
20) 3+4-Methylphenols	7.304	107	440768	42.807	ng	#	85
22) Acetophenone	7.310	105	576455	41.750	ng		99
24) Nitrobenzene	7.481	77	441166	45.964	ng		97
25) Isophorone	7.722	82	818056	42.427	ng		100
26) 2-Nitrophenol	7.798	139	241427	51.829	ng		99
27) 2,4-Dimethylphenol	7.834	122	426758	44.022	ng		99
28) bis(2-Chloroethoxy)met...	7.934	93	504242	40.670	ng		99
29) 2,4-Dichlorophenol	8.040	162	381274	46.261	ng		99
30) 1,2,4-Trichlorobenzene	8.128	180	403850	43.539	ng		99
31) Naphthalene	8.210	128	1276899	42.427	ng		100
32) Benzoic acid	7.945	122	288696	53.643	ng		98
33) 4-Chloroaniline	8.251	127	185127m	15.074	ng		
34) Hexachlorobutadiene	8.322	225	242284	44.112	ng		99
35) Caprolactam	8.622	113	126674m	52.736	ng		
36) 4-Chloro-3-methylphenol	8.734	107	388525	45.349	ng		98
37) 2-Methylnaphthalene	8.898	142	798819	42.714	ng		99
38) 1-Methylnaphthalene	8.998	142	830523	42.608	ng		100
40) 1,2,4,5-Tetrachloroben...	9.063	216	402310	42.593	ng		98
41) Hexachlorocyclopentadiene	9.051	237	473649	81.140	ng		100
43) 2,4,6-Trichlorophenol	9.175	196	289247	48.549	ng		100

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.210	196	297356	46.908	ng		99
46) 1,1'-Biphenyl	9.363	154	1083275	41.776	ng		99
47) 2-Chloronaphthalene	9.386	162	809416	41.974	ng		100
48) 2-Nitroaniline	9.481	65	254698	51.528	ng		93
49) Acenaphthylene	9.804	152	1371764	42.523	ng		100
50) Dimethylphthalate	9.663	163	976173	44.951	ng		99
51) 2,6-Dinitrotoluene	9.722	165	219535	54.008	ng		90
52) Acenaphthene	9.975	154	917632	47.308	ng		99
53) 3-Nitroaniline	9.886	138	157734	33.086	ng		96
54) 2,4-Dinitrophenol	9.998	184	251043	114.404	ng	#	1
55) Dibenzofuran	10.145	168	1212339	42.350	ng		100
56) 4-Nitrophenol	10.045	139	379799	105.853	ng		99
57) 2,4-Dinitrotoluene	10.128	165	296053	56.779	ng		96
58) Fluorene	10.492	166	930395	42.588	ng		100
59) 2,3,4,6-Tetrachlorophenol	10.263	232	259178	49.527	ng		96
60) Diethylphthalate	10.363	149	969078	44.685	ng		99
61) 4-Chlorophenyl-phenyle...	10.481	204	451261	42.814	ng		99
62) 4-Nitroaniline	10.504	138	234474	62.056	ng		99
63) Azobenzene	10.639	77	945343	45.616	ng		98
65) 4,6-Dinitro-2-methylph...	10.533	198	158081	56.923	ng		92
66) n-Nitrosodiphenylamine	10.598	169	844975	43.799	ng		99
67) 4-Bromophenyl-phenylether	10.969	248	291474	44.360	ng		99
68) Hexachlorobenzene	11.033	284	325451	45.029	ng		98
69) Atrazine	11.128	200	270836	53.257	ng		99
70) Pentachlorophenol	11.228	266	377337	99.242	ng		98
71) Phenanthrene	11.451	178	1307667	43.030	ng		99
72) Anthracene	11.504	178	1320292	42.283	ng		100
73) Carbazole	11.657	167	1201380	42.885	ng		100
74) Di-n-butylphthalate	11.986	149	1498372	50.865	ng		100
75) Fluoranthene	12.639	202	1230631	40.511	ng		99
77) Benzidine	12.763	184	594398	91.543	ng		97
78) Pyrene	12.869	202	1219651	38.350	ng		100
80) Butylbenzylphthalate	13.486	149	498308	53.256	ng		98
81) Benzo(a)anthracene	14.057	228	1008432	43.581	ng		100
82) 3,3'-Dichlorobenzidine	14.021	252	237050	44.053	ng		99
83) Chrysene	14.092	228	939296	43.605	ng		99
84) Bis(2-ethylhexyl)phtha...	14.045	149	690780	56.345	ng		99
85) Di-n-octyl phthalate	14.663	149	1140580	51.631	ng		97
87) Indeno(1,2,3-cd)pyrene	17.057	276	766815	30.801	ng		99
88) Benzo(b)fluoranthene	15.116	252	1022509	47.173	ng		99
89) Benzo(k)fluoranthene	15.151	252	924000	46.582	ng		100
90) Benzo(a)pyrene	15.492	252	894784	46.067	ng		100
91) Dibenzo(a,h)anthracene	17.080	278	621912	30.237	ng		99
92) Benzo(g,h,i)perylene	17.509	276	576490	28.241	ng		99

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

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