Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070225\
Data File : BF142968.D
Acq On : 02 Jul 2025 13:47
Operator : RC/JU
Sample : Q2452-04MSD
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-5MSD

Quant Time: Jul 02 14:07:35 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.875	152	61568	20.000	ng		0.00
21) Naphthalene-d8	8.157	136	236104	20.000	ng		-0.01
39) Acenaphthene-d10	9.916	164	129520	20.000	ng		0.00
64) Phenanthrene-d10	11.404	188	215277	20.000	ng		0.00
76) Chrysene-d12	14.051	240	118384	20.000	ng		0.00
86) Perylene-d12	15.545	264	128324	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.504	112	410102	110.900	ng		0.01
7) Phenol-d6	6.510	99	456394	104.609	ng		0.00
23) Nitrobenzene-d5	7.440	82	325703	75.666	ng		0.00
42) 2,4,6-Tribromophenol	10.710	330	175972	132.027	ng		0.00
45) 2-Fluorobiphenyl	9.234	172	726436	73.680	ng		-0.01
79) Terphenyl-d14	12.992	244	553587	64.611	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.752	88	42033	28.418	ng	#	82
3) Pyridine	3.487	79	110048	29.678	ng		98
4) n-Nitrosodimethylamine	3.416	42	66925	34.903	ng		97
6) Aniline	6.540	93	112393	19.361	ng	#	87
8) 2-Chlorophenol	6.663	128	154940	38.842	ng		97
9) Benzaldehyde	6.428	77	30374	11.735	ng		98
10) Phenol	6.522	94	162500	33.508	ng		94
11) bis(2-Chloroethyl)ether	6.610	93	133092	38.398	ng		98
12) 1,3-Dichlorobenzene	6.816	146	143825	32.239	ng		100
13) 1,4-Dichlorobenzene	6.893	146	147350	32.737	ng		99
14) 1,2-Dichlorobenzene	7.045	146	144854	33.930	ng		100
15) Benzyl Alcohol	7.016	79	130448	41.359	ng		99
16) 2,2'-oxybis(1-Chloropr...	7.145	45	198884	35.714	ng		82
17) 2-Methylphenol	7.134	107	118692	39.264	ng		96
18) Hexachloroethane	7.387	117	49591	31.499	ng		93
19) n-Nitroso-di-n-propyla...	7.287	70	104098	41.025	ng		99
20) 3+4-Methylphenols	7.287	107	153074	40.613	ng		92
22) Acetophenone	7.287	105	211845	40.688	ng		100
24) Nitrobenzene	7.457	77	151088	38.781	ng		98
25) Isophorone	7.698	82	285192	41.302	ng		100
26) 2-Nitrophenol	7.775	139	88960	41.917	ng		97
27) 2,4-Dimethylphenol	7.810	122	151684m	41.261	ng		
28) bis(2-Chloroethoxy)met...	7.904	93	180692	41.161	ng		99
29) 2,4-Dichlorophenol	8.022	162	139950	41.986	ng		98
30) 1,2,4-Trichlorobenzene	8.098	180	137303	37.460	ng		99
31) Naphthalene	8.181	128	443677	38.391	ng		99
32) Benzoic acid	7.922	122	43234	23.074	ng		98
33) 4-Chloroaniline	8.228	127	69569	14.804	ng		99
34) Hexachlorobutadiene	8.292	225	82466	36.782	ng		99
35) Caprolactam	8.598	113	37147m	42.233	ng		
36) 4-Chloro-3-methylphenol	8.716	107	148002	44.677	ng		98
37) 2-Methylnaphthalene	8.869	142	293188	40.920	ng		99
38) 1-Methylnaphthalene	8.969	142	308020	41.529	ng		99
40) 1,2,4,5-Tetrachloroben...	9.039	216	152132	39.807	ng		100
41) Hexachlorocyclopentadiene	9.022	237	136089	62.750	ng		99
43) 2,4,6-Trichlorophenol	9.151	196	102778	41.271	ng		100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.198	196	112710	42.995	ng	99
46) 1,1'-Biphenyl	9.339	154	421523	41.199	ng	99
47) 2-Chloronaphthalene	9.363	162	310973	40.502	ng	99
48) 2-Nitroaniline	9.463	65	93489	43.432	ng	94
49) Acenaphthylene	9.781	152	525358	41.565	ng	100
50) Dimethylphthalate	9.639	163	380645	45.402	ng	100
51) 2,6-Dinitrotoluene	9.704	165	83437	45.317	ng	97
52) Acenaphthene	9.951	154	350570m	45.460	ng	
53) 3-Nitroaniline	9.869	138	39043	19.260	ng	97
54) 2,4-Dinitrophenol	9.986	184	79834	86.596	ng	95
55) Dibenzofuran	10.122	168	472018	42.685	ng	100
56) 4-Nitrophenol	10.039	139	114281	82.347	ng	97
57) 2,4-Dinitrotoluene	10.110	165	114720	46.908	ng	97
58) Fluorene	10.469	166	375795	43.513	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.245	232	95091	45.001	ng	96
60) Diethylphthalate	10.339	149	390912	47.555	ng	99
61) 4-Chlorophenyl-phenyle...	10.457	204	182355	44.249	ng	99
62) 4-Nitroaniline	10.486	138	80998	43.689	ng	98
63) Azobenzene	10.616	77	318772	43.388	ng	99
65) 4,6-Dinitro-2-methylph...	10.522	198	54708	42.014	ng	99
66) n-Nitrosodiphenylamine	10.575	169	331564	44.440	ng	99
67) 4-Bromophenyl-phenylether	10.945	248	111772	45.620	ng	95
68) Hexachlorobenzene	11.016	284	121776	44.731	ng	99
69) Atrazine	11.104	200	100386	52.104	ng	100
70) Pentachlorophenol	11.216	266	122085	89.995	ng	97
71) Phenanthrene	11.433	178	521950	44.758	ng	99
72) Anthracene	11.486	178	532964	44.562	ng	99
73) Carbazole	11.639	167	467288	45.276	ng	100
74) Di-n-butylphthalate	11.963	149	569228	52.942	ng	100
75) Fluoranthene	12.622	202	487040	44.007	ng	100
77) Benzidine	12.745	184	93022	20.914	ng	99
78) Pyrene	12.851	202	480162	43.271	ng	100
80) Butylbenzylphthalate	13.463	149	169389	52.624	ng	97
81) Benzo(a)anthracene	14.045	228	358163	44.847	ng	100
82) 3,3'-Dichlorobenzidine	14.004	252	48744	18.817	ng	99
83) Chrysene	14.080	228	308988	43.359	ng	100
84) Bis(2-ethylhexyl)phtha...	14.022	149	219576	47.413	ng	99
85) Di-n-octyl phthalate	14.639	149	334386	38.291	ng	99
87) Indeno(1,2,3-cd)pyrene	17.068	276	401513	41.078	ng	99
88) Benzo(b)fluoranthene	15.110	252	346874	46.715	ng	100
89) Benzo(k)fluoranthene	15.139	252	322166	46.375	ng	99
90) Benzo(a)pyrene	15.486	252	329537	45.938	ng	98
91) Dibenzo(a,h)anthracene	17.080	278	326904	41.163	ng	98
92) Benzo(g,h,i)perylene	17.521	276	324099	40.925	ng	99

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

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