Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050225\
Data File : BF142278.D
Acq On : 02 May 2025 12:55
Operator : RC/JU
Sample : Q1901-08MSD
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-167-SB01MSD

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 05/05/2025
Supervised By :Jagrut Upadhyay 05/05/2025

Quant Time: May 02 13:41:32 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

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.910	152	217028	20.000	ng	0.00
21) Naphthalene-d8	8.193	136	832936	20.000	ng	0.00
39) Acenaphthene-d10	9.945	164	419407	20.000	ng	0.00
64) Phenanthrene-d10	11.433	188	684254	20.000	ng	0.00
76) Chrysene-d12	14.069	240	400079	20.000	ng	0.00
86) Perylene-d12	15.563	264	401381	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.528	112	1351308	99.440	ng	0.01
7) Phenol-d6	6.528	99	1523396	92.834	ng	0.00
23) Nitrobenzene-d5	7.469	82	1112775	87.769	ng	0.00
42) 2,4,6-Tribromophenol	10.734	330	506639	132.507	ng	0.00
45) 2-Fluorobiphenyl	9.263	172	2151303	72.323	ng	0.00
79) Terphenyl-d14	13.016	244	2003750	72.842	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.828	88	174625	28.773	ng	# 82
3) Pyridine	3.546	79	441222	27.973	ng	100
4) n-Nitrosodimethylamine	3.487	42	294114	36.032	ng	99
6) Aniline	6.569	93	197398	8.499	ng	98
8) 2-Chlorophenol	6.693	128	562936	40.089	ng	99
9) Benzaldehyde	6.457	77	183950	16.038	ng	99
10) Phenol	6.540	94	571858m	32.370	ng	
11) bis(2-Chloroethyl)ether	6.646	93	532809	38.919	ng	99
12) 1,3-Dichlorobenzene	6.851	146	542334	34.140	ng	99
13) 1,4-Dichlorobenzene	6.928	146	548211	34.253	ng	99
14) 1,2-Dichlorobenzene	7.081	146	540561	35.379	ng	99
15) Benzyl Alcohol	7.046	79	478246	41.092	ng	100
16) 2,2'-oxybis(1-Chloropr...	7.181	45	960997	38.874	ng	100
17) 2-Methylphenol	7.151	107	427556	37.168	ng	99
18) Hexachloroethane	7.422	117	192593	36.766	ng	96
19) n-Nitroso-di-n-propyla...	7.322	70	400784	39.523	ng	99
20) 3+4-Methylphenols	7.304	107	538223	37.414	ng	92
22) Acetophenone	7.316	105	748030	38.819	ng	97
24) Nitrobenzene	7.487	77	571114	45.910	ng	100
25) Isophorone	7.728	82	1075681	40.426	ng	99
26) 2-Nitrophenol	7.804	139	277477	51.929	ng	98
27) 2,4-Dimethylphenol	7.834	122	495291	36.919	ng	100
28) bis(2-Chloroethoxy)met...	7.934	93	685392	40.843	ng	99
29) 2,4-Dichlorophenol	8.040	162	483547	43.112	ng	99
30) 1,2,4-Trichlorobenzene	8.128	180	482951	38.586	ng	99
31) Naphthalene	8.210	128	1609412	38.745	ng	100
32) Benzoic acid	7.928	122	263320	42.769	ng	97
33) 4-Chloroaniline	8.251	127	72531	4.193	ng	99
34) Hexachlorobutadiene	8.328	225	287976	39.436	ng	99
35) Caprolactam	8.616	113	125300m	37.167	ng	
36) 4-Chloro-3-methylphenol	8.728	107	484815	42.095	ng	99
37) 2-Methylnaphthalene	8.904	142	1012785	39.656	ng	100
38) 1-Methylnaphthalene	8.998	142	1065609	40.276	ng	99
40) 1,2,4,5-Tetrachloroben...	9.069	216	493589	41.817	ng	99
41) Hexachlorocyclopentadiene	9.057	237	611613	91.299	ng	99
43) 2,4,6-Trichlorophenol	9.175	196	351147	48.009	ng	99

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.210	196	361688	47.034	ng		99
46) 1,1'-Biphenyl	9.363	154	1368430	41.970	ng		100
47) 2-Chloronaphthalene	9.392	162	1020867	42.083	ng		99
48) 2-Nitroaniline	9.481	65	319718	49.782	ng		98
49) Acenaphthylene	9.810	152	1710079	41.776	ng		100
50) Dimethylphthalate	9.663	163	1199810	44.716	ng		100
51) 2,6-Dinitrotoluene	9.722	165	253926	49.228	ng		99
52) Acenaphthene	9.981	154	1087078	45.482	ng		98
53) 3-Nitroaniline	9.886	138	99043	17.958	ng		98
54) 2,4-Dinitrophenol	9.998	184	184644	93.898	ng	#	1
55) Dibenzofuran	10.151	168	1522541	42.495	ng		100
56) 4-Nitrophenol	10.045	139	407185	96.548	ng		99
57) 2,4-Dinitrotoluene	10.128	165	336232	53.345	ng		96
58) Fluorene	10.492	166	1144424	42.008	ng		99
59) 2,3,4,6-Tetrachlorophenol	10.263	232	303708	47.678	ng		99
60) Diethylphthalate	10.369	149	1182771	44.640	ng		99
61) 4-Chlorophenyl-phenyle...	10.486	204	556055	42.980	ng		97
62) 4-Nitroaniline	10.504	138	257712	45.444	ng		98
63) Azobenzene	10.645	77	1119990	42.806	ng		99
65) 4,6-Dinitro-2-methylph...	10.534	198	125145	53.859	ng		94
66) n-Nitrosodiphenylamine	10.604	169	983989	42.088	ng		99
67) 4-Bromophenyl-phenylether	10.975	248	347963	45.662	ng		99
68) Hexachlorobenzene	11.039	284	382262	44.789	ng		97
69) Atrazine	11.128	200	312642	50.733	ng		99
70) Pentachlorophenol	11.233	266	437319	96.993	ng		99
71) Phenanthrene	11.457	178	1591587	43.062	ng		100
72) Anthracene	11.510	178	1599092	42.316	ng		100
73) Carbazole	11.657	167	1465976	42.526	ng		100
74) Di-n-butylphthalate	11.992	149	1677931	48.397	ng		100
75) Fluoranthene	12.645	202	1520599	41.619	ng		98
77) Benzidine	12.763	184	44894	2.641	ng		97
78) Pyrene	12.875	202	1524967	41.321	ng		100
80) Butylbenzylphthalate	13.492	149	558469	54.776	ng		99
81) Benzo(a)anthracene	14.063	228	1194007	44.456	ng		100
82) 3,3'-Dichlorobenzidine	14.022	252	70246	8.904	ng		99
83) Chrysene	14.098	228	1076915	44.049	ng		99
84) Bis(2-ethylhexyl)phtha...	14.051	149	722253	51.410	ng		99
85) Di-n-octyl phthalate	14.669	149	1156306	45.494	ng		99
87) Indeno(1,2,3-cd)pyrene	17.068	276	1219041	41.464	ng		100
88) Benzo(b)fluoranthene	15.121	252	1168207	46.856	ng		99
89) Benzo(k)fluoranthene	15.151	252	987950	43.322	ng		100
90) Benzo(a)pyrene	15.498	252	1023759	44.850	ng		100
91) Dibenzo(a,h)anthracene	17.092	278	988821	41.441	ng		99
92) Benzo(g,h,i)perylene	17.527	276	978093	40.775	ng		99

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

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