Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052325\
Data File : BF142541.D
Acq On : 23 May 2025 18:01
Operator : RC/JU
Sample : Q2095-04MSD
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WCS-TP1MSD

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 05/27/2025
Supervised By :Jagrut Upadhyay 05/27/2025

Quant Time: May 23 18:49:20 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 20 16:26:47 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	129857	20.000	ng	0.00
21) Naphthalene-d8	8.181	136	492402	20.000	ng	0.00
39) Acenaphthene-d10	9.939	164	265988	20.000	ng	0.00
64) Phenanthrene-d10	11.428	188	442853	20.000	ng	0.00
76) Chrysene-d12	14.069	240	233207	20.000	ng	# 0.00
86) Perylene-d12	15.563	264	264236	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.528	112	694231	90.069	ng	0.01
7) Phenol-d6	6.522	99	770285	83.020	ng	-0.01
23) Nitrobenzene-d5	7.463	82	574078	63.574	ng	-0.01
42) 2,4,6-Tribromophenol	10.728	330	301556	102.149	ng	-0.01
45) 2-Fluorobiphenyl	9.257	172	1200818	60.579	ng	-0.01
79) Terphenyl-d14	13.010	244	1115613	65.373	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.846	88	91387	29.629	ng	# 83
3) Pyridine	3.557	79	237980	30.299	ng	99
4) n-Nitrosodimethylamine	3.499	42	140450	34.440	ng	95
6) Aniline	6.563	93	273155	21.895	ng	100
8) 2-Chlorophenol	6.681	128	291046	34.667	ng	98
9) Benzaldehyde	6.446	77	89095	15.965	ng	98
10) Phenol	6.540	94	307469	29.451	ng	98
11) bis(2-Chloroethyl)ether	6.634	93	275209	36.621	ng	97
12) 1,3-Dichlorobenzene	6.840	146	239140	25.527	ng	98
13) 1,4-Dichlorobenzene	6.916	146	248554	26.340	ng	98
14) 1,2-Dichlorobenzene	7.069	146	248221	27.490	ng	99
15) Benzyl Alcohol	7.034	79	243165	35.464	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.169	45	419583	33.246	ng	99
17) 2-Methylphenol	7.145	107	226306	34.526	ng	100
18) Hexachloroethane	7.410	117	83716	25.406	ng	99
19) n-Nitroso-di-n-propyla...	7.310	70	197568	34.358	ng	98
20) 3+4-Methylphenols	7.298	107	282793	33.691	ng	96
22) Acetophenone	7.304	105	391485	35.915	ng	98
24) Nitrobenzene	7.481	77	289729	35.574	ng	99
25) Isophorone	7.716	82	547757	36.281	ng	99
26) 2-Nitrophenol	7.793	139	161274	37.059	ng	99
27) 2,4-Dimethylphenol	7.828	122	277939	36.216	ng	99
28) bis(2-Chloroethoxy)met...	7.928	93	341099	36.167	ng	98
29) 2,4-Dichlorophenol	8.034	162	255559	36.617	ng	100
30) 1,2,4-Trichlorobenzene	8.122	180	254758	33.634	ng	97
31) Naphthalene	8.204	128	832047	34.317	ng	100
32) Benzoic acid	7.940	122	161096	34.484	ng	99
33) 4-Chloroaniline	8.245	127	183515m	18.679	ng	
34) Hexachlorobutadiene	8.316	225	148123	31.319	ng	99
35) Caprolactam	8.610	113	65941m	33.640	ng	
36) 4-Chloro-3-methylphenol	8.728	107	258533	36.145	ng	96
37) 2-Methylnaphthalene	8.892	142	535441	35.103	ng	100
38) 1-Methylnaphthalene	8.992	142	560300	35.512	ng	100
40) 1,2,4,5-Tetrachloroben...	9.057	216	275214	36.045	ng	100
41) Hexachlorocyclopentadiene	9.045	237	337183	65.463	ng	100
43) 2,4,6-Trichlorophenol	9.169	196	189551	36.816	ng	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.210	196	203092	37.402	ng	99
46) 1,1'-Biphenyl	9.357	154	745787	36.140	ng	99
47) 2-Chloronaphthalene	9.381	162	547387	35.902	ng	100
48) 2-Nitroaniline	9.475	65	168745	38.291	ng	99
49) Acenaphthylene	9.798	152	938782	36.465	ng	100
50) Dimethylphthalate	9.657	163	662468	37.746	ng	100
51) 2,6-Dinitrotoluene	9.722	165	145196	38.330	ng	97
52) Acenaphthene	9.975	154	605421	38.512	ng	99
53) 3-Nitroaniline	9.886	138	90384	21.846	ng	100
54) 2,4-Dinitrophenol	9.992	184	127044	64.917	ng	98
55) Dibenzofuran	10.145	168	824604	36.451	ng	99
56) 4-Nitrophenol	10.045	139	208062	68.155	ng	99
57) 2,4-Dinitrotoluene	10.122	165	199329	40.293	ng	100
58) Fluorene	10.486	166	638793	36.551	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.257	232	165989	36.617	ng	99
60) Diethylphthalate	10.357	149	644433	37.596	ng	99
61) 4-Chlorophenyl-phenyle...	10.481	204	312083	36.351	ng	98
62) 4-Nitroaniline	10.504	138	134505	35.845	ng	99
63) Azobenzene	10.639	77	566358	36.787	ng	99
65) 4,6-Dinitro-2-methylph...	10.534	198	89027	36.022	ng	93
66) n-Nitrosodiphenylamine	10.598	169	550561	36.338	ng	99
67) 4-Bromophenyl-phenylether	10.969	248	192541	36.770	ng	99
68) Hexachlorobenzene	11.033	284	219226	37.852	ng	99
69) Atrazine	11.122	200	172056	42.761	ng	99
70) Pentachlorophenol	11.228	266	237031	72.490	ng	99
71) Phenanthrene	11.451	178	879826	37.175	ng	100
72) Anthracene	11.504	178	904085	37.430	ng	100
73) Carbazole	11.657	167	788835	38.202	ng	100
74) Di-n-butylphthalate	11.986	149	940370	41.605	ng	100
75) Fluoranthene	12.639	202	841027	38.031	ng	98
77) Benzidine	12.763	184	213893	24.647	ng	99
78) Pyrene	12.869	202	821359	37.755	ng	99
80) Butylbenzylphthalate	13.486	149	288610	48.012	ng	99
81) Benzo(a)anthracene	14.057	228	595014	38.209	ng	99
82) 3,3'-Dichlorobenzidine	14.022	252	117697	24.919	ng	99
83) Chrysene	14.092	228	553546	39.559	ng	99
84) Bis(2-ethylhexyl)phtha...	14.045	149	356784	46.364	ng	99
85) Di-n-octyl phthalate	14.657	149	557281	37.037	ng	100
87) Indeno(1,2,3-cd)pyrene	17.074	276	722649	36.429	ng	99
88) Benzo(b)fluoranthene	15.121	252	563373	36.024	ng	99
89) Benzo(k)fluoranthene	15.151	252	565780	38.627	ng	98
90) Benzo(a)pyrene	15.498	252	560218	38.004	ng	99
91) Dibenzo(a,h)anthracene	17.092	278	586448	36.450	ng	99
92) Benzo(g,h,i)perylene	17.533	276	583368	36.251	ng	98

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

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