Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032825\
Data File : BF142158.D
Acq On : 28 Mar 2025 14:07
Operator : RC/JU
Sample : Q1642-02MSD
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PAT-1-032525MSD

Manual Integrations APPROVED
Reviewed By :Anahy Claudio 03/31/2025
Supervised By :Jagrut Upadhyay 03/31/2025

Quant Time: Mar 28 14:30:12 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:46:22 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.875	152	131872	20.000	ng		0.00
21) Naphthalene-d8	8.157	136	531417	20.000	ng		0.00
39) Acenaphthene-d10	9.910	164	311842	20.000	ng		0.00
64) Phenanthrene-d10	11.398	188	525656	20.000	ng		0.00
76) Chrysene-d12	14.039	240	306222	20.000	ng		0.00
86) Perylene-d12	15.510	264	333261	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.504	112	970984	122.887	ng		0.01
7) Phenol-d6	6.504	99	1155468	114.854	ng		0.00
23) Nitrobenzene-d5	7.440	82	873413	92.493	ng		0.00
42) 2,4,6-Tribromophenol	10.704	330	622934	157.461	ng		0.00
45) 2-Fluorobiphenyl	9.228	172	1927212	93.987	ng		-0.01
79) Terphenyl-d14	12.980	244	2067478	99.819	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.810	88	127482	38.506	ng	#	83
3) Pyridine	3.528	79	312120	38.434	ng		96
4) n-Nitrosodimethylamine	3.463	42	168612	43.556	ng		98
6) Aniline	6.534	93	168764	17.005	ng	#	74
8) 2-Chlorophenol	6.657	128	457350	52.189	ng		99
9) Benzaldehyde	6.422	77	159762	28.395	ng		99
10) Phenol	6.516	94	467021	44.126	ng		99
11) bis(2-Chloroethyl)ether	6.610	93	383845	48.300	ng		98
12) 1,3-Dichlorobenzene	6.816	146	403882	42.689	ng		98
13) 1,4-Dichlorobenzene	6.893	146	411915	43.031	ng		98
14) 1,2-Dichlorobenzene	7.040	146	402694	44.663	ng		99
15) Benzyl Alcohol	7.016	79	412365	50.702	ng		99
16) 2,2'-oxybis(1-Chloropr...	7.146	45	404274	42.136	ng		91
17) 2-Methylphenol	7.122	107	367911	52.802	ng		99
18) Hexachloroethane	7.387	117	149264	41.582	ng		93
19) n-Nitroso-di-n-propyla...	7.287	70	310992	48.109	ng		99
20) 3+4-Methylphenols	7.281	107	462802	51.856	ng	#	79
22) Acetophenone	7.281	105	615475	48.363	ng		95
24) Nitrobenzene	7.457	77	470327	50.101	ng		98
25) Isophorone	7.693	82	894223	53.571	ng		99
26) 2-Nitrophenol	7.769	139	257619	55.914	ng		99
27) 2,4-Dimethylphenol	7.804	122	442938	69.818	ng		98
28) bis(2-Chloroethoxy)met...	7.904	93	528450	50.475	ng		99
29) 2,4-Dichlorophenol	8.010	162	429727	54.571	ng		99
30) 1,2,4-Trichlorobenzene	8.092	180	424924	48.965	ng		99
31) Naphthalene	8.175	128	1303515	47.751	ng		100
32) Benzoic acid	7.904	122	131433m	23.568	ng		
33) 4-Chloroaniline	8.222	127	63808	6.621	ng		98
34) Hexachlorobutadiene	8.292	225	275281	48.641	ng		99
35) Caprolactam	8.604	113	95245m	39.672	ng		
36) 4-Chloro-3-methylphenol	8.710	107	476284	54.220	ng		95
37) 2-Methylnaphthalene	8.869	142	858834	47.069	ng		100
38) 1-Methylnaphthalene	8.969	142	895288	50.847	ng		100
40) 1,2,4,5-Tetrachloroben...	9.034	216	505586	53.251	ng		99
41) Hexachlorocyclopentadiene	9.022	237	646234	173.920	ng		99
43) 2,4,6-Trichlorophenol	9.145	196	353905	57.036	ng		99

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	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44)	2,4,5-Trichlorophenol	9.187	196	362143	57.626	ng		98
46)	1,1'-Biphenyl	9.334	154	1237478	52.227	ng		100
47)	2-Chloronaphthalene	9.357	162	940177	53.236	ng		98
48)	2-Nitroaniline	9.451	65	274516	53.685	ng		98
49)	Acenaphthylene	9.775	152	1502115	57.316	ng		100
50)	Dimethylphthalate	9.634	163	1202847	55.082	ng		100
51)	2,6-Dinitrotoluene	9.698	165	259119	56.990	ng		92
52)	Acenaphthene	9.945	154	1012699	54.986	ng		100
53)	3-Nitroaniline	9.863	138	73444	15.924	ng		97
54)	2,4-Dinitrophenol	9.975	184	148767	59.428	ng	#	44
55)	Dibenzofuran	10.116	168	1374246	52.220	ng		99
56)	4-Nitrophenol	10.028	139	322647	92.765	ng		96
57)	2,4-Dinitrotoluene	10.104	165	361926	60.945	ng		99
58)	Fluorene	10.463	166	1104684	54.433	ng		99
59)	2,3,4,6-Tetrachlorophenol	10.234	232	308375	53.925	ng		96
60)	Diethylphthalate	10.334	149	1178180	54.108	ng		99
61)	4-Chlorophenyl-phenyle...	10.451	204	587575	55.534	ng		97
62)	4-Nitroaniline	10.481	138	245587	54.695	ng		98
63)	Azobenzene	10.610	77	1009238	49.853	ng		97
65)	4,6-Dinitro-2-methylph...	10.510	198	143971	45.943	ng		96
66)	n-Nitrosodiphenylamine	10.575	169	973826	57.249	ng		100
67)	4-Bromophenyl-phenylether	10.945	248	387711	58.730	ng		94
68)	Hexachlorobenzene	11.010	284	441629	60.994	ng		94
69)	Atrazine	11.098	200	328742	63.041	ng		99
70)	Pentachlorophenol	11.204	266	267968	60.068	ng		99
71)	Phenanthrene	11.422	178	1593807	56.135	ng		100
72)	Anthracene	11.475	178	1612313	56.602	ng		100
73)	Carbazole	11.628	167	1356767	55.230	ng		100
74)	Di-n-butylphthalate	11.957	149	1718306	52.715	ng		100
75)	Fluoranthene	12.610	202	1461014	48.510	ng		100
77)	Benzidine	12.733	184	120290	28.155	ng	#	73
78)	Pyrene	12.839	202	1403256	52.976	ng		100
80)	Butylbenzylphthalate	13.457	149	548605	52.915	ng		96
81)	Benzo(a)anthracene	14.027	228	1112223	55.350	ng		99
82)	3,3'-Dichlorobenzidine	13.992	252	59648	10.272	ng		98
83)	Chrysene	14.063	228	1030716	56.586	ng		100
84)	Bis(2-ethylhexyl)phtha...	14.010	149	747741	52.309	ng		100
85)	Di-n-octyl phthalate	14.627	149	1237776	62.232	ng		97
87)	Indeno(1,2,3-cd)pyrene	17.015	276	1347574	62.509	ng		97
88)	Benzo(b)fluoranthene	15.080	252	1175889	51.483	ng		99
89)	Benzo(k)fluoranthene	15.110	252	992101	50.757	ng		100
90)	Benzo(a)pyrene	15.451	252	1050894	58.802	ng		98
91)	Dibenzo(a,h)anthracene	17.027	278	1118707	62.894	ng		98
92)	Benzo(g,h,i)perylene	17.462	276	1034980	58.882	ng		98

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

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