

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020425\
 Data File : BF141429.D
 Acq On : 05 Feb 2025 00:22
 Operator : RC/JU
 Sample : Q1280-01MSD
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :

BNA_F

ClientSampleId :

72-11984MSD

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/05/2025

Supervised By :mohammad ahmed 02/05/2025

Quant Time: Feb 05 02:11:26 2025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Wed Jan 29 17:41:25 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.786	152	84554	20.000	ng	-0.02
21) Naphthalene-d8	8.075	136	333021	20.000	ng	#-0.01
39) Acenaphthene-d10	9.827	164	178834	20.000	ng	-0.01
64) Phenanthrene-d10	11.316	188	279889	20.000	ng	-0.01
76) Chrysene-d12	13.962	240	182626	20.000	ng	#-0.01
86) Perylene-d12	15.415	264	177800	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.416	112	595756	108.168	ng	0.00
7) Phenol-d6	6.434	99	728817	104.021	ng	0.00
23) Nitrobenzene-d5	7.357	82	488197	77.281	ng	-0.01
42) 2,4,6-Tribromophenol	10.621	330	189068	115.321	ng	-0.01
45) 2-Fluorobiphenyl	9.151	172	861061	74.110	ng	-0.01
79) Terphenyl-d14	12.904	244	763709	64.491	ng	-0.01
Target Compounds						Qvalue
2) 1,4-Dioxane	2.569	88	93395	38.557	ng	97
3) Pyridine	3.293	79	206465	35.377	ng	96
4) n-Nitrosodimethylamine	3.245	42	148628	44.580	ng	83
6) Aniline	6.451	93	128145	21.606	ng	# 1
8) 2-Chlorophenol	6.581	128	254348	43.086	ng	96
9) Benzaldehyde	6.339	77	175027	43.127	ng	99
10) Phenol	6.445	94	306001	41.200	ng	77
11) bis(2-Chloroethyl)ether	6.528	93	231609	40.671	ng	97
12) 1,3-Dichlorobenzene	6.728	146	270977	41.631	ng	98
13) 1,4-Dichlorobenzene	6.804	146	275327	42.106	ng	99
14) 1,2-Dichlorobenzene	6.957	146	262451	42.864	ng	99
15) Benzyl Alcohol	6.933	79	227659	47.546	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.069	45	395365	39.925	ng	78
17) 2-Methylphenol	7.057	107	199470	41.575	ng	# 88
18) Hexachloroethane	7.298	117	102651	42.554	ng	98
19) n-Nitroso-di-n-propyla...	7.204	70	181331	43.555	ng	99
20) 3+4-Methylphenols	7.210	107	257724	43.749	ng	# 90
22) Acetophenone	7.198	105	397999	50.279	ng	# 97
24) Nitrobenzene	7.375	77	272466	41.620	ng	99
25) Isophorone	7.610	82	479312	43.893	ng	98
26) 2-Nitrophenol	7.692	139	133938	43.381	ng	97
27) 2,4-Dimethylphenol	7.733	122	212488m	54.071	ng	
28) bis(2-Chloroethoxy)met...	7.822	93	292603	42.008	ng	98
29) 2,4-Dichlorophenol	7.939	162	208984	43.439	ng	100
30) 1,2,4-Trichlorobenzene	8.016	180	230343	41.924	ng	99
31) Naphthalene	8.098	128	1072213	60.947	ng	99
32) Benzoic acid	7.857	122	156334	43.275	ng	95
33) 4-Chloroaniline	8.145	127	46766	7.839	ng	98
34) Hexachlorobutadiene	8.210	225	144325	44.793	ng	99
35) Caprolactam	8.516	113	70876m	45.109	ng	
36) 4-Chloro-3-methylphenol	8.639	107	232982	45.147	ng	95
37) 2-Methylnaphthalene	8.786	142	735591	65.786	ng	99
38) 1-Methylnaphthalene	8.886	142	583648	53.137	ng	100
40) 1,2,4,5-Tetrachloroben...	8.951	216	254322	49.988	ng	99
41) Hexachlorocyclopentadiene	8.939	237	178167	118.579	ng	99
43) 2,4,6-Trichlorophenol	9.069	196	148619	44.630	ng	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.116	196	156413	43.156	ng	97
46) 1,1'-Biphenyl	9.251	154	739826	53.046	ng	99
47) 2-Chloronaphthalene	9.275	162	455594	41.910	ng	99
48) 2-Nitroaniline	9.374	65	154176	45.090	ng	97
49) Acenaphthylene	9.692	152	693470	45.571	ng	99
50) Dimethylphthalate	9.557	163	545241	45.142	ng	99
51) 2,6-Dinitrotoluene	9.616	165	117297	41.825	ng	93
52) Acenaphthene	9.863	154	767390	70.589	ng	100
53) 3-Nitroaniline	9.786	138	54591	19.861	ng	95
54) 2,4-Dinitrophenol	9.892	184	94115	72.192	ng	87
55) Dibenzofuran	10.039	168	866265	59.530	ng	97
56) 4-Nitrophenol	9.969	139	191999	95.512	ng	89
57) 2,4-Dinitrotoluene	10.022	165	157856	43.475	ng	90
58) Fluorene	10.380	166	697621	61.805	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.157	232	133706	46.892	ng	99
60) Diethylphthalate	10.257	149	529025	45.172	ng	99
61) 4-Chlorophenyl-phenyle...	10.374	204	242983	44.070	ng	98
62) 4-Nitroaniline	10.398	138	108779	40.254	ng	89
63) Azobenzene	10.533	77	600365	51.213	ng	89
65) 4,6-Dinitro-2-methylph...	10.427	198	64626	39.036	ng	90
66) n-Nitrosodiphenylamine	10.492	169	431572	47.674	ng	98
67) 4-Bromophenyl-phenylether	10.863	248	151678	48.406	ng	98
68) Hexachlorobenzene	10.927	284	151574	45.602	ng	99
69) Atrazine	11.021	200	161551	53.375	ng	99
70) Pentachlorophenol	11.127	266	191758	98.521	ng	99
71) Phenanthrene	11.345	178	1367014	90.861	ng	100
72) Anthracene	11.398	178	813707	55.198	ng	99
73) Carbazole	11.551	167	634916	48.572	ng	98
74) Di-n-butylphthalate	11.880	149	791767	49.981	ng	99
75) Fluoranthene	12.533	202	939512	63.244	ng	98
77) Benzidine	12.657	184	208275	35.574	ng	99
78) Pyrene	12.763	202	853725	48.700	ng	100
80) Butylbenzylphthalate	13.380	149	277318	45.281	ng	99
81) Benzo(a)anthracene	13.951	228	595931	47.288	ng	99
82) 3,3'-Dichlorobenzidine	13.915	252	102106	25.475	ng	98
83) Chrysene	13.986	228	543641	47.070	ng	100
84) Bis(2-ethylhexyl)phtha...	13.939	149	370220	47.653	ng	99
85) Di-n-octyl phthalate	14.562	149	621606	51.514	ng	100
87) Indeno(1,2,3-cd)pyrene	16.856	276	432599	37.697	ng	95
88) Benzo(b)fluoranthene	14.998	252	564760	50.497	ng	98
89) Benzo(k)fluoranthene	15.027	252	489115	49.367	ng	98
90) Benzo(a)pyrene	15.356	252	478663	50.646	ng	98
91) Dibenzo(a,h)anthracene	16.874	278	349979	37.907	ng	97
92) Benzo(g,h,i)perylene	17.292	276	313335	32.639	ng	94

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

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