

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP091925\
 Data File : BP025803.D
 Acq On : 19 Sep 2025 17:51
 Operator : CG/JU
 Sample : Q3098-06MSD
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :

BNA_P

ClientSampleId :

EFF-WWMSD

Manual Integrations

APPROVED

 Reviewed By :Rahul
 Chavli

Quant Time: Sep 19 18:15:58 2025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP091225.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Thu Sep 11 16:45:04 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							09/22/2025
1) 1,4-Dichlorobenzene-d4	7.749	152	184711	20.000	ng	-0.01	Supervised By :Jagrut Upadhyay
21) Naphthalene-d8	10.519	136	565127	20.000	ng	0.00	
39) Acenaphthene-d10	14.390	164	444962	20.000	ng	0.01	
64) Phenanthrene-d10	17.184	188	865073	20.000	ng	0.00	
76) Chrysene-d12	21.660	240	857648	20.000	ng	0.02	
86) Perylene-d12	24.983	264	965873	20.000	ng	-0.02	09/22/2025
System Monitoring Compounds							
5) 2-Fluorophenol	5.384	112	535272	46.759	ng	0.00	
7) Phenol-d6	6.955	99	444921	29.241	ng	0.00	
23) Nitrobenzene-d5	8.896	82	1473067	114.980	ng	0.00	
42) 2,4,6-Tribromophenol	15.907	330	488929	88.095	ng	0.00	
45) 2-Fluorobiphenyl	12.990	172	3023364	90.471	ng	0.00	
79) Terphenyl-d14	19.919	244	4436918	93.068	ng	0.00	
Target Compounds							Qvalue
2) 1,4-Dioxane	3.308	88	96316	20.047	ng		99
3) Pyridine	3.708	79	288606	21.815	ng		99
4) n-Nitrosodimethylamine	3.608	42	135190	21.656	ng	#	99
6) Aniline	7.096	93	84754	4.058	ng		98
8) 2-Chlorophenol	7.337	128	530640	42.254	ng		99
9) Benzaldehyde	6.914	77	73361	8.044	ng		97
10) Phenol	6.984	94	283454	17.667	ng		99
11) bis(2-Chloroethyl)ether	7.178	93	628524	48.760	ng		98
12) 1,3-Dichlorobenzene	7.643	146	632320	44.240	ng		98
13) 1,4-Dichlorobenzene	7.784	146	645102	44.309	ng		100
14) 1,2-Dichlorobenzene	8.096	146	626067	44.264	ng		99
15) Benzyl Alcohol	8.002	79	2632292	209.357	ng		100
16) 2,2'-oxybis(1-Chloropr...	8.266	45	982362	46.601	ng		99
17) 2-Methylphenol	8.208	107	382177	35.331	ng		100
18) Hexachloroethane	8.813	117	244719	44.005	ng		97
19) n-Nitroso-di-n-propyla...	8.549	70	498595	46.981	ng		99
20) 3+4-Methylphenols	8.531	107	453076	29.908	ng		98
22) Acetophenone	8.566	105	1098032	72.706	ng	#	99
24) Nitrobenzene	8.937	77	738975	64.297	ng		98
25) Isophorone	9.466	82	1373511	60.995	ng		99
26) 2-Nitrophenol	9.643	139	319639	62.640	ng		95
27) 2,4-Dimethylphenol	9.713	122	510524	57.029	ng		97
28) bis(2-Chloroethoxy)met...	9.931	93	822806	63.211	ng		98
29) 2,4-Dichlorophenol	10.196	162	508566	56.978	ng		99
30) 1,2,4-Trichlorobenzene	10.384	180	544730	54.153	ng		99
31) Naphthalene	10.572	128	1476820	48.465	ng		99
32) Benzoic acid	10.002	122	1622864m	243.833	ng		
33) 4-Chloroaniline	10.572	127	192987	15.195	ng	#	39
34) Hexachlorobutadiene	10.855	225	323915	50.021	ng		99
36) 4-Chloro-3-methylphenol	11.843	107	549210	51.611	ng		98
37) 2-Methylnaphthalene	12.178	142	1214466	62.052	ng		97
38) 1-Methylnaphthalene	12.401	142	1254753	60.120	ng		99
40) 1,2,4,5-Tetrachloroben...	12.554	216	806077	59.782	ng		99
41) Hexachlorocyclopentadiene	12.531	237	392316	53.423	ng		99
43) 2,4,6-Trichlorophenol	12.807	196	450690	50.845	ng		97
44) 2,4,5-Trichlorophenol	12.901	196	493249	50.000	ng		97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
46) 1,1'-Biphenyl	13.196	154	2206867	67.570	ng	99	09/22/2025
47) 2-Chloronaphthalene	13.243	162	1331602	51.780	ng	99	Supervised By :Jagrut Upadhyay
48) 2-Nitroaniline	13.466	65	314781	36.720	ng	97	
49) Acenaphthylene	14.107	152	2116676	49.676	ng	100	
50) Dimethylphthalate	13.843	163	1647148	48.486	ng	99	
51) 2,6-Dinitrotoluene	13.966	165	362407	50.353	ng	99	
52) Acenaphthene	14.454	154	1216202	49.494	ng	100	09/22/2025
54) 2,4-Dinitrophenol	14.519	184	410954	87.347	ng	98	
55) Dibenzofuran	14.795	168	1939268	48.422	ng	99	
57) 2,4-Dinitrotoluene	14.772	165	495220	48.348	ng	96	
58) Fluorene	15.454	166	1556173	48.865	ng	100	
59) 2,3,4,6-Tetrachlorophenol	15.031	232	419034	47.153	ng	# 97	
60) Diethylphthalate	15.225	149	1674858	48.604	ng	99	
61) 4-Chlorophenyl-phenyle...	15.443	204	777733	48.458	ng	98	
62) 4-Nitroaniline	15.519	138	11143	1.437	ng	80	
63) Azobenzene	15.742	77	1604121	48.144	ng	99	
65) 4,6-Dinitro-2-methylph...	15.542	198	256482	44.582	ng	98	
66) n-Nitrosodiphenylamine	15.666	169	1134616	42.859	ng	100	
67) 4-Bromophenyl-phenylether	16.354	248	496295	52.222	ng	99	
68) Hexachlorobenzene	16.478	284	540381	50.988	ng	96	
69) Atrazine	16.648	200	308025	30.439	ng	97	
70) Pentachlorophenol	16.854	266	708781	101.331	ng	98	
71) Phenanthrene	17.231	178	2493542	50.814	ng	99	
72) Anthracene	17.325	178	2530300	50.820	ng	99	
73) Carbazole	17.613	167	2373817	51.282	ng	99	
74) Di-n-butylphthalate	18.184	149	3045301	53.609	ng	100	
75) Fluoranthene	19.313	202	2906347	49.383	ng	100	
77) Benzidine	19.531	184	3105	0.126	ng	# 1	
78) Pyrene	19.689	202	2988865	52.228	ng	99	
80) Butylbenzylphthalate	20.648	149	1286580	51.275	ng	97	
81) Benzo(a)anthracene	21.642	228	3024857	51.517	ng	99	
83) Chrysene	21.707	228	2817783	50.343	ng	100	
84) Bis(2-ethylhexyl)phtha...	21.583	149	1180398	32.155	ng	# 96	
85) Di-n-octyl phthalate	22.813	149	3614728	55.355	ng	100	
87) Indeno(1,2,3-cd)pyrene	28.812	276	3683008	52.434	ng	# 84	
88) Benzo(b)fluoranthene	23.924	252	3052639	51.683	ng	99	
89) Benzo(k)fluoranthene	23.995	252	3113749	51.662	ng	100	
90) Benzo(a)pyrene	24.824	252	2900102	50.138	ng	99	
91) Dibenzo(a,h)anthracene	28.877	278	3060380	53.243	ng	98	
92) Benzo(g,h,i)perylene	30.001	276	2984469	52.797	ng	99	

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

