

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071725\
 Data File : BF143153.D
 Acq On : 17 Jul 2025 17:37
 Operator : RC/JU
 Sample : Q2126-09
 Misc : MDL-WATER-8PPM
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MDL-WATER-03-QT2-2025

Quant Time: Jul 17 18:13:37 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 17 15:14:05 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 07/18/2025
 Supervised By :Jagrut Upadhyay 07/18/2025

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.963	152	158246	20.000	ng	0.00
21) Naphthalene-d8	8.245	136	601378	20.000	ng	0.00
39) Acenaphthene-d10	9.998	164	309174	20.000	ng	0.00
64) Phenanthrene-d10	11.480	188	507836	20.000	ng	0.00
76) Chrysene-d12	14.115	240	296298	20.000	ng	0.00
86) Perylene-d12	15.621	264	315429	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.587	112	1090647	109.065	ng	0.00
7) Phenol-d6	6.587	99	1415592	112.466	ng	0.00
23) Nitrobenzene-d5	7.516	82	924202	76.605	ng	0.00
42) 2,4,6-Tribromophenol	10.786	330	391589	122.604	ng	0.00
45) 2-Fluorobiphenyl	9.316	172	1639929	72.542	ng	0.00
79) Terphenyl-d14	13.068	244	1534282	77.057	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.804	88	34801	7.355	ng	98
3) Pyridine	3.610	79	89032	7.249	ng	100
4) n-Nitrosodimethylamine	3.504	42	46255	7.295	ng	# 99
6) Aniline	6.622	93	137396	7.832	ng	99
8) 2-Chlorophenol	6.751	128	82340	7.855	ng	99
9) Benzaldehyde	6.510	77	73887	7.828	ng	98
10) Phenol	6.598	94	103849m	7.574	ng	
11) bis(2-Chloroethyl)ether	6.692	93	82047	7.815	ng	100
12) 1,3-Dichlorobenzene	6.904	146	90826	7.976	ng	98
13) 1,4-Dichlorobenzene	6.981	146	91924	8.016	ng	99
14) 1,2-Dichlorobenzene	7.134	146	86946	7.972	ng	99
15) Benzyl Alcohol	7.086	79	73621	7.660	ng	100
16) 2,2'-oxybis(1-Chloropr...	7.234	45	154441	7.930	ng	100
17) 2-Methylphenol	7.198	107	69077	7.838	ng	97
18) Hexachloroethane	7.481	117	30054	7.571	ng	95
19) n-Nitroso-di-n-propyla...	7.363	70	63722	7.891	ng	96
20) 3+4-Methylphenols	7.351	107	88775	8.302	ng	# 88
22) Acetophenone	7.357	105	119345	8.382	ng	98
24) Nitrobenzene	7.534	77	91772	8.159	ng	99
25) Isophorone	7.769	82	167284	7.855	ng	100
26) 2-Nitrophenol	7.851	139	36612	7.500	ng	98
27) 2,4-Dimethylphenol	7.881	122	73789	7.416	ng	99
28) bis(2-Chloroethoxy)met...	7.981	93	103180	8.080	ng	100
29) 2,4-Dichlorophenol	8.086	162	66053	7.871	ng	99
30) 1,2,4-Trichlorobenzene	8.181	180	72824	8.033	ng	99
31) Naphthalene	8.263	128	247548	8.358	ng	98
32) Benzoic acid	7.928	122	25905	9.301	ng	99
33) 4-Chloroaniline	8.304	127	96037	7.941	ng	100
34) Hexachlorobutadiene	8.386	225	44527	8.040	ng	99
35) Caprolactam	8.628	113	17816	7.026	ng	90
36) 4-Chloro-3-methylphenol	8.769	107	70696	7.751	ng	98
37) 2-Methylnaphthalene	8.951	142	150415	8.346	ng	99
38) 1-Methylnaphthalene	9.051	142	157900	8.508	ng	99
40) 1,2,4,5-Tetrachloroben...	9.122	216	75294	8.435	ng	99
41) Hexachlorocyclopentadiene	9.116	237	33713	5.805	ng	99
43) 2,4,6-Trichlorophenol	9.227	196	50040	8.100	ng	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.263	196	47670	7.714	ng	99
46) 1,1'-Biphenyl	9.416	154	203015	8.416	ng	99
47) 2-Chloronaphthalene	9.439	162	148278	8.308	ng	99
48) 2-Nitroaniline	9.522	65	43361	7.747	ng	93
49) Acenaphthylene	9.857	152	244162	8.163	ng	99
50) Dimethylphthalate	9.704	163	165521	8.213	ng	98
51) 2,6-Dinitrotoluene	9.763	165	31853	7.770	ng	94
52) Acenaphthene	10.027	154	147525	8.345	ng	100
53) 3-Nitroaniline	9.933	138	37329	7.785	ng	99
54) 2,4-Dinitrophenol	10.033	184	7508	10.368	ng #	1
55) Dibenzofuran	10.198	168	216009	8.230	ng	100
56) 4-Nitrophenol	10.075	139	25449	7.107	ng	96
57) 2,4-Dinitrotoluene	10.163	165	39266	7.634	ng	96
58) Fluorene	10.545	166	169586	8.609	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.316	232	40412	7.895	ng	98
60) Diethylphthalate	10.410	149	162174	8.142	ng	99
61) 4-Chlorophenyl-phenyle...	10.533	204	82164	8.376	ng	97
62) 4-Nitroaniline	10.539	138	32588	7.929	ng	97
63) Azobenzene	10.698	77	171028	8.238	ng	99
65) 4,6-Dinitro-2-methylph...	10.574	198	13634	9.956	ng	96
66) n-Nitrosodiphenylamine	10.651	169	145252	8.123	ng	100
67) 4-Bromophenyl-phenylether	11.027	248	47999	7.931	ng	98
68) Hexachlorobenzene	11.092	284	49159	7.771	ng	96
69) Atrazine	11.169	200	37735	7.654	ng	98
70) Pentachlorophenol	11.280	266	25951	6.976	ng	97
71) Phenanthrene	11.504	178	221799	8.226	ng	99
72) Anthracene	11.557	178	220008	8.000	ng	99
73) Carbazole	11.704	167	196381	8.178	ng	98
74) Di-n-butylphthalate	12.039	149	215429	7.929	ng	99
75) Fluoranthene	12.692	202	200860	8.116	ng	99
77) Benzidine	12.804	184	81071	7.102	ng	98
78) Pyrene	12.921	202	203871	8.062	ng	99
80) Butylbenzylphthalate	13.539	149	52852	6.825	ng	97
81) Benzo(a)anthracene	14.110	228	157020	7.915	ng	99
82) 3,3'-Dichlorobenzidine	14.062	252	48441	7.327	ng	98
83) Chrysene	14.145	228	138840	7.784	ng	99
84) Bis(2-ethylhexyl)phtha...	14.098	149	83424	7.118	ng	99
85) Di-n-octyl phthalate	14.715	149	142951	6.729	ng	100
87) Indeno(1,2,3-cd)pyrene	17.145	276	164241	7.384	ng	99
88) Benzo(b)fluoranthene	15.174	252	144060	7.476	ng	98
89) Benzo(k)fluoranthene	15.204	252	140641	8.179	ng	99
90) Benzo(a)pyrene	15.551	252	134297	7.564	ng	99
91) Dibenzo(a,h)anthracene	17.162	278	137061	7.571	ng	99
92) Benzo(g,h,i)perylene	17.603	276	132148	7.546	ng	98

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

