

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102725\
 Data File : BG064596.D
 Acq On : 27 Oct 2025 20:50
 Operator : RC/JU
 Sample : Q3451-01MSD
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-11MSD

Quant Time: Nov 04 01:24:04 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Nov 03 18:16:26 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/28/2025
 Supervised By :mohammad ahmed 11/05/2025

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.217	152	38814	20.000	ng	0.00
21) Naphthalene-d8	11.043	136	157221	20.000	ng	0.00
39) Acenaphthene-d10	14.839	164	122701	20.000	ng	0.00
64) Phenanthrene-d10	17.577	188	285704	20.000	ng	0.00
76) Chrysene-d12	21.854	240	301297	20.000	ng	0.00
86) Perylene-d12	25.192	264	325247	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.750	112	245210	106.040	ng	0.00
7) Phenol-d6	7.354	99	310818	97.953	ng	0.00
23) Nitrobenzene-d5	9.381	82	184321	70.416	ng	0.00
42) 2,4,6-Tribromophenol	16.320	330	180267	101.791	ng	0.00
45) 2-Fluorobiphenyl	13.470	172	483448	59.721	ng	0.00
79) Terphenyl-d14	20.168	244	963681	60.360	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.582	88	38872	37.969	ng	98
3) Pyridine	3.987	79	107028	34.812	ng	97
4) n-Nitrosodimethylamine	3.899	42	68772	41.713	ng	96
6) Aniline	7.530	93	105768	24.496	ng	98
8) 2-Chlorophenol	7.777	128	129605	53.547	ng	97
9) Benzaldehyde	7.336	77	55736	32.174	ng	96
10) Phenol	7.377	94	177325	50.531	ng	96
11) bis(2-Chloroethyl)ether	7.624	93	114479	44.371	ng	95
12) 1,3-Dichlorobenzene	8.106	146	130238	46.751	ng	98
13) 1,4-Dichlorobenzene	8.253	146	134928	47.634	ng	97
14) 1,2-Dichlorobenzene	8.576	146	128145	46.903	ng	97
15) Benzyl Alcohol	8.446	79	130750	49.969	ng	96
16) 2,2'-oxybis(1-Chloropr...	8.746	45	303091	44.785	ng	98
17) 2-Methylphenol	8.646	107	119211	51.165	ng	99
18) Hexachloroethane	9.322	117	46949	47.231	ng	95
19) n-Nitroso-di-n-propyla...	9.022	70	103048	46.990	ng	99
20) 3+4-Methylphenols	8.975	107	162078	49.465	ng	97
22) Acetophenone	9.040	105	220900	51.398	ng	# 97
24) Nitrobenzene	9.422	77	147716	51.883	ng	99
25) Isophorone	9.951	82	291275	46.373	ng	97
26) 2-Nitrophenol	10.139	139	57649	52.187	ng	94
27) 2,4-Dimethylphenol	10.191	122	134954	57.762	ng	94
28) bis(2-Chloroethoxy)met...	10.432	93	167769	46.912	ng	99
29) 2,4-Dichlorophenol	10.679	162	134968	53.678	ng	96
30) 1,2,4-Trichlorobenzene	10.902	180	142692	49.947	ng	95
31) Naphthalene	11.096	128	401855	46.101	ng	99
32) Benzoic acid	10.332	122	98892	54.383	ng	88
33) 4-Chloroaniline	11.184	127	37250	10.994	ng	98
34) Hexachlorobutadiene	11.384	225	104891	46.947	ng	94
35) Caprolactam	11.948	113	42893m	44.477	ng	
36) 4-Chloro-3-methylphenol	12.295	107	155480	51.443	ng	98
37) 2-Methylnaphthalene	12.689	142	275987	43.124	ng	99
38) 1-Methylnaphthalene	12.906	142	292659	46.193	ng	95
40) 1,2,4,5-Tetrachloroben...	13.047	216	216909	52.674	ng	98
41) Hexachlorocyclopentadiene	13.035	237	242282	130.715	ng	99
43) 2,4,6-Trichlorophenol	13.276	196	127975	54.330	ng	97

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44) 2,4,5-Trichlorophenol	13.347	196	146053	53.731	ng	96
46) 1,1'-Biphenyl	13.681	154	465315	53.342	ng	98
47) 2-Chloronaphthalene	13.723	162	313227	47.570	ng	100
48) 2-Nitroaniline	13.911	65	112461	50.683	ng	93
49) Acenaphthylene	14.569	152	566623	54.557	ng	99
50) Dimethylphthalate	14.287	163	441705	47.045	ng	99
51) 2,6-Dinitrotoluene	14.398	165	85821	54.905	ng	97
52) Acenaphthene	14.904	154	363819	51.272	ng	97
53) 3-Nitroaniline	14.721	138	41760	25.881	ng	94
54) 2,4-Dinitrophenol	14.927	184	96842	100.347	ng	# 45
55) Dibenzofuran	15.238	168	539697	47.045	ng	98
56) 4-Nitrophenol	15.015	139	155082	103.665	ng	94
57) 2,4-Dinitrotoluene	15.180	165	123905	51.491	ng	# 97
58) Fluorene	15.885	166	423526	47.273	ng	97
59) 2,3,4,6-Tetrachlorophenol	15.450	232	147361	56.693	ng	98
60) Diethylphthalate	15.644	149	442062	46.112	ng	99
61) 4-Chlorophenyl-phenylether	15.873	204	236769	47.092	ng	99
62) 4-Nitroaniline	15.885	138	88632	49.374	ng	98
63) Azobenzene	16.161	77	453434	51.549	ng	99
65) 4,6-Dinitro-2-methylph...	15.944	198	68358	53.653	ng	96
66) n-Nitrosodiphenylamine	16.079	169	390340	50.578	ng	100
67) 4-Bromophenyl-phenylether	16.766	248	171191	50.563	ng	99
68) Hexachlorobenzene	16.889	284	194855	50.448	ng	97
69) Atrazine	17.019	200	165700	49.892	ng	98
70) Pentachlorophenol	17.218	266	256998	106.700	ng	88
71) Phenanthrene	17.618	178	754389	48.284	ng	99
72) Anthracene	17.712	178	771687	48.554	ng	99
73) Carbazole	17.971	167	667168	47.604	ng	100
74) Di-n-butylphthalate	18.529	149	748759	46.201	ng	99
75) Fluoranthene	19.616	202	902807	46.125	ng	99
77) Benzidine	19.780	184	238770	35.372	ng	100
78) Pyrene	19.974	202	927698	47.127	ng	99
80) Butylbenzylphthalate	20.850	149	318928	53.605	ng	99
81) Benzo(a)anthracene	21.831	228	954192	47.763	ng	99
82) 3,3'-Dichlorobenzidine	21.737	252	129807	19.458	ng	98
83) Chrysene	21.901	228	904947	47.606	ng	99
84) Bis(2-ethylhexyl)phtha...	21.743	149	466072	52.426	ng	100
85) Di-n-octyl phthalate	23.006	149	781109	52.114	ng	99
87) Indeno(1,2,3-cd)pyrene	29.028	276	1149794	48.056	ng	97
88) Benzo(b)fluoranthene	24.134	252	960420	48.156	ng	98
89) Benzo(k)fluoranthene	24.204	252	969589	48.582	ng	98
90) Benzo(a)pyrene	25.039	252	914367	49.876	ng	98
91) Dibenzo(a,h)anthracene	29.105	278	937985	48.254	ng	98
92) Benzo(g,h,i)perylene	30.221	276	913782	49.210	ng	99

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

