

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG103025\
 Data File : BG064646.D
 Acq On : 30 Oct 2025 18:29
 Operator : RC/JU
 Sample : Q3477-02MS
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SOUTH-MAHWAH-SOILMS

Quant Time: Nov 04 04:35:47 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 :Jagrut Upadhyay 11/04/2025
 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	32584	20.000	ng	0.00
21) Naphthalene-d8	11.044	136	130511	20.000	ng	0.00
39) Acenaphthene-d10	14.839	164	108940	20.000	ng	0.00
64) Phenanthrene-d10	17.577	188	248997	20.000	ng	0.00
76) Chrysene-d12	21.854	240	264263	20.000	ng	0.00
86) Perylene-d12	25.192	264	297998	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.750	112	240164	123.715	ng	0.00
7) Phenol-d6	7.354	99	312746	117.405	ng	0.00
23) Nitrobenzene-d5	9.381	82	240660	110.754	ng	0.00
42) 2,4,6-Tribromophenol	16.320	330	240011	152.647	ng	0.00
45) 2-Fluorobiphenyl	13.470	172	639783	89.017	ng	0.00
79) Terphenyl-d14	20.168	244	1132034	80.841	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.593	88	29277	34.065	ng	# 53
3) Pyridine	4.011	79	85320	33.058	ng	98
4) n-Nitrosodimethylamine	3.905	42	64007	46.246	ng	99
6) Aniline	7.530	93	73283	20.217	ng	99
8) 2-Chlorophenol	7.777	128	98047	48.254	ng	98
9) Benzaldehyde	7.336	77	42665	29.338	ng	99
10) Phenol	7.383	94	119900	40.700	ng	94
11) bis(2-Chloroethyl)ether	7.624	93	89288	41.224	ng	96
12) 1,3-Dichlorobenzene	8.106	146	94650	40.472	ng	97
13) 1,4-Dichlorobenzene	8.253	146	102114	42.942	ng	98
14) 1,2-Dichlorobenzene	8.576	146	100764	43.932	ng	99
15) Benzyl Alcohol	8.447	79	106070	48.287	ng	98
16) 2,2'-oxybis(1-Chloropr...	8.746	45	249544	43.923	ng	99
17) 2-Methylphenol	8.646	107	93161	47.630	ng	95
18) Hexachloroethane	9.322	117	36949	44.277	ng	94
19) n-Nitroso-di-n-propyla...	9.022	70	87225	47.380	ng	98
20) 3+4-Methylphenols	8.975	107	127218	46.250	ng	97
22) Acetophenone	9.040	105	181763	50.948	ng	# 98
24) Nitrobenzene	9.422	77	126959	53.719	ng	97
25) Isophorone	9.951	82	248284	47.619	ng	99
26) 2-Nitrophenol	10.145	139	53244	57.712	ng	# 82
27) 2,4-Dimethylphenol	10.192	122	106991	55.165	ng	99
28) bis(2-Chloroethoxy)met...	10.433	93	138125	46.527	ng	98
29) 2,4-Dichlorophenol	10.679	162	111477	53.409	ng	97
30) 1,2,4-Trichlorobenzene	10.903	180	118347	49.903	ng	97
31) Naphthalene	11.096	128	326927	45.181	ng	99
32) Benzoic acid	10.321	122	69629	47.186	ng	94
33) 4-Chloroaniline	11.190	127	9676	3.440	ng	# 95
34) Hexachlorobutadiene	11.384	225	89549	48.283	ng	98
35) Caprolactam	11.954	113	31422m	39.251	ng	
36) 4-Chloro-3-methylphenol	12.295	107	131118	52.261	ng	99
37) 2-Methylnaphthalene	12.689	142	229393	43.179	ng	99
38) 1-Methylnaphthalene	12.906	142	244348	46.461	ng	95
40) 1,2,4,5-Tetrachloroben...	13.047	216	191820	52.466	ng	99
41) Hexachlorocyclopentadiene	13.035	237	211669	128.624	ng	99
43) 2,4,6-Trichlorophenol	13.276	196	115481	55.219	ng	97

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG103025\
 Data File : BG064646.D
 Acq On : 30 Oct 2025 18:29
 Operator : RC/JU
 Sample : Q3477-02MS
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SOUTH-MAHWAH-SOILMS

Quant Time: Nov 04 04:35:47 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 :Jagrut Upadhyay 11/04/2025
 Supervised By :mohammad ahmed 11/05/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.347	196	130147	53.927	ng	99
46) 1,1'-Biphenyl	13.682	154	400345	51.691	ng	98
47) 2-Chloronaphthalene	13.723	162	269200	46.048	ng	99
48) 2-Nitroaniline	13.911	65	107618	54.376	ng	92
49) Acenaphthylene	14.569	152	489591	53.094	ng	98
50) Dimethylphthalate	14.287	163	396950	47.618	ng	99
51) 2,6-Dinitrotoluene	14.398	165	81190	58.294	ng	96
52) Acenaphthene	14.904	154	322736	51.228	ng	99
53) 3-Nitroaniline	14.722	138	30756	21.469	ng	# 96
54) 2,4-Dinitrophenol	14.927	184	81869	95.815	ng	# 48
55) Dibenzofuran	15.239	168	481395	47.264	ng	97
56) 4-Nitrophenol	15.021	139	111726	84.117	ng	89
57) 2,4-Dinitrotoluene	15.180	165	118169	55.084	ng	98
58) Fluorene	15.885	166	379549	47.716	ng	98
59) 2,3,4,6-Tetrachlorophenol	15.456	232	134464	58.265	ng	99
60) Diethylphthalate	15.644	149	400197	47.018	ng	99
61) 4-Chlorophenyl-phenyle...	15.873	204	220420	49.378	ng	99
62) 4-Nitroaniline	15.885	138	76737	48.148	ng	93
63) Azobenzene	16.161	77	366196	46.890	ng	97
65) 4,6-Dinitro-2-methylph...	15.944	198	65996	58.851	ng	95
66) n-Nitrosodiphenylamine	16.079	169	349910	52.023	ng	100
67) 4-Bromophenyl-phenylether	16.766	248	157545	53.392	ng	97
68) Hexachlorobenzene	16.884	284	178544	53.039	ng	97
69) Atrazine	17.019	200	144774	50.017	ng	97
70) Pentachlorophenol	17.225	266	219490	104.561	ng	94
71) Phenanthrene	17.618	178	657800	48.308	ng	100
72) Anthracene	17.712	178	660717	47.701	ng	99
73) Carbazole	17.971	167	530005	43.392	ng	99
74) Di-n-butylphthalate	18.529	149	614310	43.493	ng	99
75) Fluoranthene	19.616	202	730479	42.823	ng	98
77) Benzidine	19.780	184	48291	8.156	ng	99
78) Pyrene	19.974	202	750780	43.484	ng	100
80) Butylbenzylphthalate	20.850	149	267322	51.228	ng	99
81) Benzo(a)anthracene	21.831	228	847438	48.364	ng	99
82) 3,3'-Dichlorobenzidine	21.737	252	121909	20.835	ng	99
83) Chrysene	21.901	228	786401	47.167	ng	97
84) Bis(2-ethylhexyl)phtha...	21.737	149	400062	51.307	ng	98
85) Di-n-octyl phthalate	23.000	149	704200	53.567	ng	98
87) Indeno(1,2,3-cd)pyrene	29.028	276	1077046	49.131	ng	# 97
88) Benzo(b)fluoranthene	24.134	252	887237	48.554	ng	98
89) Benzo(k)fluoranthene	24.205	252	884867	48.391	ng	98
90) Benzo(a)pyrene	25.039	252	851411	50.688	ng	98
91) Dibenzo(a,h)anthracene	29.105	278	889850	49.964	ng	97
92) Benzo(g,h,i)perylene	30.233	276	846851	49.776	ng	99

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

