

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102925\
 Data File : BG064624.D
 Acq On : 29 Oct 2025 15:31
 Operator : RC/JU
 Sample : Q3477-01MS
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SOUTH-MAHWAH-SOILMS

Quant Time: Nov 04 06:39:49 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

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 ahmed

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.216	152	28985	20.000	ng	0.00
21) Naphthalene-d8	11.042	136	118304	20.000	ng	0.00
39) Acenaphthene-d10	14.844	164	90635	20.000	ng	0.00
64) Phenanthrene-d10	17.576	188	223021	20.000	ng	0.00
76) Chrysene-d12	21.853	240	264828	20.000	ng	0.00
86) Perylene-d12	25.196	264	294081	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.749	112	142331	82.423	ng	0.00
7) Phenol-d6	7.353	99	213979	90.302	ng	0.00
23) Nitrobenzene-d5	9.380	82	129070	65.528	ng	0.00
42) 2,4,6-Tribromophenol	16.319	330	135122	103.294	ng	0.00
45) 2-Fluorobiphenyl	13.469	172	313191	52.377	ng	0.00
79) Terphenyl-d14	20.167	244	733389	52.261	ng	0.00

Target Compounds						Qvalue
2) 1,4-Dioxane	3.581	88	33406	43.695	ng	95
3) Pyridine	3.992	79	95785	41.721	ng	94
4) n-Nitrosodimethylamine	3.898	42	63491	51.569	ng	91
6) Aniline	7.529	93	117876	36.558	ng	98
8) 2-Chlorophenol	7.776	128	104160	57.627	ng	99
9) Benzaldehyde	7.335	77	59140	45.716	ng	100
10) Phenol	7.382	94	140120	53.469	ng	97
11) bis(2-Chloroethyl)ether	7.623	93	95205	49.414	ng	99
12) 1,3-Dichlorobenzene	8.105	146	112137	53.903	ng	95
13) 1,4-Dichlorobenzene	8.252	146	112956	53.399	ng	95
14) 1,2-Dichlorobenzene	8.581	146	108970	53.409	ng	99
15) Benzyl Alcohol	8.445	79	109068	55.817	ng	99
16) 2,2'-oxybis(1-Chloropr...	8.745	45	247079	48.889	ng	98
17) 2-Methylphenol	8.645	107	93151	53.538	ng	97
18) Hexachloroethane	9.321	117	41228	55.540	ng	98
19) n-Nitroso-di-n-propyla...	9.021	70	83692	51.106	ng	97
20) 3+4-Methylphenols	8.974	107	127618	52.156	ng	98
22) Acetophenone	9.039	105	171764	53.113	ng	98
24) Nitrobenzene	9.421	77	121929	56.914	ng	98
25) Isophorone	9.955	82	237041	50.153	ng	99
26) 2-Nitrophenol	10.143	139	55632	66.044	ng	# 90
27) 2,4-Dimethylphenol	10.190	122	104976	59.711	ng	98
28) bis(2-Chloroethoxy)met...	10.431	93	134040	49.810	ng	98
29) 2,4-Dichlorophenol	10.678	162	106626	56.356	ng	98
30) 1,2,4-Trichlorobenzene	10.901	180	119735	55.698	ng	99
31) Naphthalene	11.095	128	330368	50.367	ng	99
32) Benzoic acid	10.320	122	89518	63.839	ng	92
33) 4-Chloroaniline	11.183	127	63172	24.779	ng	99
34) Hexachlorobutadiene	11.389	225	91193	54.243	ng	98
35) Caprolactam	11.947	113	37768m	52.046	ng	
36) 4-Chloro-3-methylphenol	12.294	107	126440	55.597	ng	99
37) 2-Methylnaphthalene	12.688	142	223174	46.343	ng	97
38) 1-Methylnaphthalene	12.905	142	230958	48.446	ng	95
40) 1,2,4,5-Tetrachloroben...	13.052	216	172647	56.759	ng	99
41) Hexachlorocyclopentadiene	13.034	237	231950	169.415	ng	99
43) 2,4,6-Trichlorophenol	13.275	196	108348	62.272	ng	93

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
44) 2,4,5-Trichlorophenol	13.346	196	118844	59.189	ng	98	11/04/2025
46) 1,1'-Biphenyl	13.681	154	351379	54.532	ng	98	Supervised By :mohammad ahmed
47) 2-Chloronaphthalene	13.722	162	253161	52.050	ng	98	
48) 2-Nitroaniline	13.910	65	96708	58.474	ng	94	
49) Acenaphthylene	14.568	152	452198	58.943	ng	99	
50) Dimethylphthalate	14.286	163	360615	51.996	ng	97	
51) 2,6-Dinitrotoluene	14.397	165	72296	62.167	ng	95	11/05/2025
52) Acenaphthene	14.903	154	309699	59.087	ng	99	
53) 3-Nitroaniline	14.726	138	47973	40.250	ng	# 98	
54) 2,4-Dinitrophenol	14.932	184	102510	141.388	ng	# 34	
55) Dibenzofuran	15.238	168	434287	51.250	ng	99	
56) 4-Nitrophenol	15.020	139	143139	129.533	ng	96	
57) 2,4-Dinitrotoluene	15.179	165	106219	59.269	ng	# 99	
58) Fluorene	15.884	166	340194	51.406	ng	99	
59) 2,3,4,6-Tetrachlorophenol	15.455	232	123971	64.568	ng	99	
60) Diethylphthalate	15.643	149	365128	51.562	ng	99	
61) 4-Chlorophenyl-phenyle...	15.872	204	190886	51.398	ng	97	
62) 4-Nitroaniline	15.884	138	83324	62.839	ng	95	
63) Azobenzene	16.166	77	357643	55.044	ng	98	
65) 4,6-Dinitro-2-methylph...	15.943	198	70501	69.145	ng	96	
66) n-Nitrosodiphenylamine	16.078	169	316466	52.531	ng	99	
67) 4-Bromophenyl-phenylether	16.765	248	142089	53.763	ng	98	
68) Hexachlorobenzene	16.889	284	158302	52.503	ng	98	
69) Atrazine	17.018	200	152826	58.949	ng	97	
70) Pentachlorophenol	17.223	266	229672	122.155	ng	95	
71) Phenanthrene	17.623	178	635196	52.082	ng	99	
72) Anthracene	17.711	178	640607	51.635	ng	99	
73) Carbazole	17.970	167	586605	53.620	ng	99	
74) Di-n-butylphthalate	18.528	149	677589	53.561	ng	99	
75) Fluoranthene	19.615	202	820802	53.722	ng	99	
77) Benzidine	19.779	184	335470	56.541	ng	99	
78) Pyrene	19.973	202	845932	48.891	ng	100	
80) Butylbenzylphthalate	20.849	149	315774	60.384	ng	98	
81) Benzo(a)anthracene	21.836	228	946961	53.928	ng	99	
82) 3,3'-Dichlorobenzidine	21.736	252	175979	30.012	ng	98	
83) Chrysene	21.900	228	878221	52.562	ng	97	
84) Bis(2-ethylhexyl)phtha...	21.742	149	461198	59.022	ng	98	
85) Di-n-octyl phthalate	22.999	149	791535	60.081	ng	99	
87) Indeno(1,2,3-cd)pyrene	29.033	276	1143062	52.837	ng	98	
88) Benzo(b)fluoranthene	24.139	252	936096	51.910	ng	98	
89) Benzo(k)fluoranthene	24.203	252	962350	53.329	ng	98	
90) Benzo(a)pyrene	25.044	252	902072	54.420	ng	98	
91) Dibenzo(a,h)anthracene	29.104	278	937593	53.346	ng	98	
92) Benzo(g,h,i)perylene	30.232	276	905766	53.948	ng	99	

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

