

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG103025\
 Data File : BG064647.D
 Acq On : 30 Oct 2025 19:10
 Operator : RC/JU
 Sample : Q3477-02MSD
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SOUTH-MAHWAH-SOILMSD

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 11/04/2025
 Supervised By :mohammad ahmed 11/05/2025

Quant Time: Nov 04 04:38:01 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

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.217	152	28646	20.000	ng	0.00
21) Naphthalene-d8	11.043	136	111941	20.000	ng	0.00
39) Acenaphthene-d10	14.839	164	83580	20.000	ng	0.00
64) Phenanthrene-d10	17.577	188	207248	20.000	ng	0.00
76) Chrysene-d12	21.854	240	272663	20.000	ng	0.00
86) Perylene-d12	25.191	264	307310	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.749	112	206418	120.949	ng	0.00
7) Phenol-d6	7.353	99	265568	113.400	ng	0.00
23) Nitrobenzene-d5	9.381	82	199124	106.841	ng	0.00
42) 2,4,6-Tribromophenol	16.319	330	189611	157.183	ng	0.00
45) 2-Fluorobiphenyl	13.470	172	497684	90.256	ng	0.00
79) Terphenyl-d14	20.168	244	1176517	81.430	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.593	88	28942	38.304	ng	Qvalue # 61
3) Pyridine	4.010	79	74402	32.790	ng	97
4) n-Nitrosodimethylamine	3.905	42	55293	45.442	ng	96
6) Aniline	7.530	93	53161	16.682	ng	98
8) 2-Chlorophenol	7.777	128	84964	47.563	ng	96
9) Benzaldehyde	7.336	77	36964	28.912	ng	93
10) Phenol	7.383	94	98411	37.998	ng	96
11) bis(2-Chloroethyl)ether	7.624	93	76633	40.245	ng	94
12) 1,3-Dichlorobenzene	8.111	146	85832	41.747	ng	95
13) 1,4-Dichlorobenzene	8.252	146	88541	42.353	ng	94
14) 1,2-Dichlorobenzene	8.576	146	87617	43.452	ng	99
15) Benzyl Alcohol	8.446	79	87214	45.161	ng	98
16) 2,2'-oxybis(1-Chloropr...	8.740	45	204991	41.041	ng	98
17) 2-Methylphenol	8.646	107	74413	43.275	ng	98
18) Hexachloroethane	9.322	117	32711	44.588	ng	90
19) n-Nitroso-di-n-propyla...	9.022	70	72253	44.643	ng	98
20) 3+4-Methylphenols	8.975	107	102366	42.331	ng	96
22) Acetophenone	9.040	105	152262	49.758	ng	98
24) Nitrobenzene	9.422	77	104179	51.393	ng	98
25) Isophorone	9.950	82	194169	43.418	ng	97
26) 2-Nitrophenol	10.144	139	46097	58.224	ng	# 93
27) 2,4-Dimethylphenol	10.191	122	84919	51.048	ng	96
28) bis(2-Chloroethoxy)met...	10.432	93	112252	44.085	ng	98
29) 2,4-Dichlorophenol	10.679	162	88804	49.604	ng	98
30) 1,2,4-Trichlorobenzene	10.902	180	101532	49.915	ng	97
31) Naphthalene	11.096	128	272765	43.949	ng	98
32) Benzoic acid	10.309	122	56842m	45.229	ng	
33) 4-Chloroaniline	11.190	127	9621	3.988	ng	# 91
34) Hexachlorobutadiene	11.384	225	76798	48.277	ng	97
35) Caprolactam	11.948	113	23250m	33.861	ng	
36) 4-Chloro-3-methylphenol	12.295	107	101264	47.058	ng	97
37) 2-Methylnaphthalene	12.688	142	186645	40.961	ng	96
38) 1-Methylnaphthalene	12.906	142	189094	41.919	ng	99
40) 1,2,4,5-Tetrachloroben...	13.047	216	154616	55.121	ng	98
41) Hexachlorocyclopentadiene	13.035	237	176830	140.058	ng	100
43) 2,4,6-Trichlorophenol	13.276	196	88655	55.254	ng	98

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44) 2,4,5-Trichlorophenol	13.346	196	98023	52.940	ng	98
46) 1,1'-Biphenyl	13.681	154	311473	52.419	ng	95
47) 2-Chloronaphthalene	13.722	162	212447	47.367	ng	100
48) 2-Nitroaniline	13.911	65	82448	54.303	ng	96
49) Acenaphthylene	14.563	152	373861	52.846	ng	99
50) Dimethylphthalate	14.287	163	299698	46.860	ng	99
51) 2,6-Dinitrotoluene	14.398	165	61330	57.445	ng	93
52) Acenaphthene	14.903	154	252627	52.266	ng	98
53) 3-Nitroaniline	14.721	138	23425	21.313	ng	# 97
54) 2,4-Dinitrophenol	14.927	184	74174	112.141	ng	# 45
55) Dibenzofuran	15.238	168	365686	46.797	ng	99
56) 4-Nitrophenol	15.021	139	103596	101.662	ng	95
57) 2,4-Dinitrotoluene	15.180	165	92183	55.958	ng	99
58) Fluorene	15.885	166	290188	47.551	ng	98
59) 2,3,4,6-Tetrachlorophenol	15.456	232	103848	58.653	ng	99
60) Diethylphthalate	15.644	149	300263	45.981	ng	99
61) 4-Chlorophenyl-phenyle...	15.873	204	166710	48.678	ng	99
62) 4-Nitroaniline	15.885	138	66625	54.487	ng	96
63) Azobenzene	16.161	77	272166	45.424	ng	96
65) 4,6-Dinitro-2-methylph...	15.943	198	55586	59.488	ng	89
66) n-Nitrosodiphenylamine	16.079	169	267096	47.710	ng	99
67) 4-Bromophenyl-phenylether	16.766	248	117374	47.791	ng	96
68) Hexachlorobenzene	16.889	284	137447	49.056	ng	95
69) Atrazine	17.019	200	125901	52.259	ng	96
70) Pentachlorophenol	17.224	266	194756	111.468	ng	94
71) Phenanthrene	17.618	178	537978	47.468	ng	99
72) Anthracene	17.712	178	543400	47.134	ng	99
73) Carbazole	17.970	167	502412	49.419	ng	99
74) Di-n-butylphthalate	18.529	149	563854	47.963	ng	99
75) Fluoranthene	19.616	202	726745	51.186	ng	97
77) Benzidine	19.780	184	50417	8.253	ng	97
78) Pyrene	19.974	202	759790	42.650	ng	99
80) Butylbenzylphthalate	20.849	149	278360	51.700	ng	95
81) Benzo(a)anthracene	21.837	228	873968	48.341	ng	99
82) 3,3'-Dichlorobenzidine	21.737	252	122433	20.280	ng	96
83) Chrysene	21.901	228	813564	47.293	ng	99
84) Bis(2-ethylhexyl)phtha...	21.737	149	405879	50.450	ng	98
85) Di-n-octyl phthalate	23.000	149	713788	52.623	ng	99
87) Indeno(1,2,3-cd)pyrene	29.034	276	1085432	48.014	ng	98
88) Benzo(b)fluoranthene	24.134	252	902645	47.900	ng	98
89) Benzo(k)fluoranthene	24.204	252	913018	48.418	ng	99
90) Benzo(a)pyrene	25.044	252	860993	49.706	ng	98
91) Dibenzo(a,h)anthracene	29.104	278	902460	49.137	ng	96
92) Benzo(g,h,i)perylene	30.233	276	864511	49.274	ng	98

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

