

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG090825\
 Data File : BG064310.D
 Acq On : 8 Sep 2025 17:00
 Operator : RC/JU
 Sample : Q3032-01MS
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SOIL-PILE-1MS

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 09/09/2025
 Supervised By :Jagrut Upadhyay 09/09/2025

Quant Time: Sep 08 17:48:40 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG082825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 28 17:41:58 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.852	152	27870	20.000	ng	0.00
21) Naphthalene-d8	10.637	136	120718	20.000	ng	-0.01
39) Acenaphthene-d10	14.473	164	87528	20.000	ng	0.00
64) Phenanthrene-d10	17.217	188	206725	20.000	ng	# 0.00
76) Chrysene-d12	21.453	240	233045	20.000	ng	# 0.00
86) Perylene-d12	24.462	264	259001	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.443	112	185441	119.375	ng	0.00
7) Phenol-d6	7.023	99	238739	111.866	ng	0.00
23) Nitrobenzene-d5	9.003	82	166455	76.900	ng	-0.01
42) 2,4,6-Tribromophenol	15.966	330	163125	140.704	ng	0.00
45) 2-Fluorobiphenyl	13.099	172	401380	69.994	ng	-0.01
79) Terphenyl-d14	19.838	244	809278	72.451	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.351	88	22111	34.149	ng	97
3) Pyridine	3.739	79	59602	31.271	ng	# 61
4) n-Nitrosodimethylamine	3.657	42	57978	45.990	ng	96
6) Aniline	7.176	93	68303	23.144	ng	98
8) 2-Chlorophenol	7.417	128	86095	45.355	ng	94
9) Benzaldehyde	6.988	77	55690	31.709	ng	92
10) Phenol	7.053	94	103654	44.053	ng	86
11) bis(2-Chloroethyl)ether	7.276	93	68007	38.463	ng	97
12) 1,3-Dichlorobenzene	7.740	146	91683	45.400	ng	98
13) 1,4-Dichlorobenzene	7.887	146	94629	46.430	ng	96
14) 1,2-Dichlorobenzene	8.198	146	91442	46.487	ng	94
15) Benzyl Alcohol	8.087	79	85745	43.538	ng	92
16) 2,2'-oxybis(1-Chloropr...	8.381	45	127962	31.699	ng	98
17) 2-Methylphenol	8.292	107	72577	41.388	ng	94
18) Hexachloroethane	8.927	117	35599	44.746	ng	90
19) n-Nitroso-di-n-propyla...	8.651	70	61329	37.548	ng	98
20) 3+4-Methylphenols	8.616	107	99748	40.937	ng	93
22) Acetophenone	8.668	105	146897	48.099	ng	# 96
24) Nitrobenzene	9.044	77	97803	43.246	ng	99
25) Isophorone	9.567	82	178056	39.580	ng	97
26) 2-Nitrophenol	9.750	139	47280	48.383	ng	# 85
27) 2,4-Dimethylphenol	9.820	122	83929	48.919	ng	97
28) bis(2-Chloroethoxy)met...	10.049	93	96059	39.600	ng	98
29) 2,4-Dichlorophenol	10.290	162	87186	48.163	ng	98
30) 1,2,4-Trichlorobenzene	10.502	180	95271	49.914	ng	97
31) Naphthalene	10.690	128	275340	43.985	ng	99
32) Benzoic acid	9.985	122	64860	47.625	ng	94
33) 4-Chloroaniline	10.795	127	35520	14.640	ng	96
34) Hexachlorobutadiene	10.977	225	71798	50.888	ng	90
35) Caprolactam	11.571	113	27143m	38.724	ng	
36) 4-Chloro-3-methylphenol	11.923	107	106030	45.144	ng	94
37) 2-Methylnaphthalene	12.299	142	183916	39.526	ng	97
38) 1-Methylnaphthalene	12.517	142	195742m	42.591	ng	
40) 1,2,4,5-Tetrachloroben...	12.670	216	137289	54.362	ng	98
41) Hexachlorocyclopentadiene	12.652	237	154095	128.384	ng	91
43) 2,4,6-Trichlorophenol	12.905	196	79291	46.974	ng	95

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44) 2,4,5-Trichlorophenol	12.981	196	92410	50.468	ng	96
46) 1,1'-Biphenyl	13.310	154	310520	48.708	ng	98
47) 2-Chloronaphthalene	13.351	162	211051	44.036	ng	99
48) 2-Nitroaniline	13.551	65	75472	46.201	ng	95
49) Acenaphthylene	14.197	152	357742	50.494	ng	98
50) Dimethylphthalate	13.939	163	271891	41.039	ng	99
51) 2,6-Dinitrotoluene	14.050	165	64070	49.954	ng	94
52) Acenaphthene	14.538	154	213682	42.738	ng	98
53) 3-Nitroaniline	14.379	138	34998	26.050	ng	98
54) 2,4-Dinitrophenol	14.585	184	73914	87.626	ng	# 82
55) Dibenzofuran	14.879	168	354798	45.115	ng	99
56) 4-Nitrophenol	14.703	139	107466	97.513	ng	# 88
57) 2,4-Dinitrotoluene	14.844	165	94972	48.973	ng	94
58) Fluorene	15.525	166	296561	46.009	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.102	232	92362	52.444	ng	97
60) Diethylphthalate	15.302	149	301053	42.460	ng	98
61) 4-Chlorophenyl-phenyle...	15.519	204	148559	46.226	ng	98
62) 4-Nitroaniline	15.543	138	61057	44.537	ng	91
63) Azobenzene	15.813	77	287494	45.493	ng	94
65) 4,6-Dinitro-2-methylph...	15.602	198	57666	48.587	ng	98
66) n-Nitrosodiphenylamine	15.737	169	261455	45.976	ng	99
67) 4-Bromophenyl-phenylether	16.412	248	104973	47.809	ng	96
68) Hexachlorobenzene	16.530	284	121414	49.795	ng	94
69) Atrazine	16.688	200	117720	49.577	ng	95
70) Pentachlorophenol	16.871	266	164105	111.000	ng	# 91
71) Phenanthrene	17.258	178	505490	46.361	ng	97
72) Anthracene	17.352	178	516321	46.553	ng	99
73) Carbazole	17.617	167	467776	47.876	ng	99
74) Di-n-butylphthalate	18.187	149	548947	46.765	ng	98
75) Fluoranthene	19.274	202	647405	50.498	ng	97
77) Benzidine	19.456	184	325569	66.409	ng	99
78) Pyrene	19.632	202	661640	45.064	ng	99
80) Butylbenzylphthalate	20.531	149	256913	46.393	ng	93
81) Benzo(a)anthracene	21.436	228	693804	46.535	ng	100
82) 3,3'-Dichlorobenzidine	21.354	252	101671	20.939	ng	# 99
83) Chrysene	21.495	228	651473	45.515	ng	99
84) Bis(2-ethylhexyl)phtha...	21.359	149	382322	45.985	ng	98
85) Di-n-octyl phthalate	22.499	149	643938	44.451	ng	97
87) Indeno(1,2,3-cd)pyrene	27.858	276	843553	47.692	ng	# 97
88) Benzo(b)fluoranthene	23.516	252	709832	48.560	ng	# 98
89) Benzo(k)fluoranthene	23.580	252	699859	46.995	ng	# 96
90) Benzo(a)pyrene	24.327	252	669762	49.255	ng	# 98
91) Dibenzo(a,h)anthracene	27.916	278	672101	47.326	ng	98
92) Benzo(g,h,i)perylene	28.921	276	670011	48.485	ng	# 93

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

