

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG090325\
 Data File : BG064257.D
 Acq On : 3 Sep 2025 17:08
 Operator : RC/JU
 Sample : Q2126-01
 Misc : LOD-MDL-SOIL 8PPM
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-03-QT2-2025

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 09/04/2025
 Supervised By :Jagrut Upadhyay 09/04/2025

Quant Time: Sep 03 18:04:52 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	7.858	152	31315	20.000	ng	0.00
21) Naphthalene-d8	10.643	136	143593	20.000	ng	0.00
39) Acenaphthene-d10	14.480	164	100689	20.000	ng	0.00
64) Phenanthrene-d10	17.218	188	222798	20.000	ng	0.00
76) Chrysene-d12	21.448	240	224213	20.000	ng	0.00
86) Perylene-d12	24.457	264	240707	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.444	112	245428	140.610	ng	0.00
7) Phenol-d6	7.024	99	357097	148.918	ng	0.00
23) Nitrobenzene-d5	9.010	82	260167	101.047	ng	0.00
42) 2,4,6-Tribromophenol	15.967	330	190601	142.915	ng	0.00
45) 2-Fluorobiphenyl	13.105	172	645194	97.805	ng	0.00
79) Terphenyl-d14	19.838	244	1129635	105.115	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.358	88	6829	9.387	ng	95
3) Pyridine	3.751	79	18015	8.412	ng	# 57
4) n-Nitrosodimethylamine	3.663	42	11903	8.403	ng	# 75
6) Aniline	7.183	93	29835	8.997	ng	94
8) 2-Chlorophenol	7.424	128	18670	8.753	ng	97
9) Benzaldehyde	7.001	77	17204m	8.718	ng	
10) Phenol	7.053	94	23714	8.970	ng	93
11) bis(2-Chloroethyl)ether	7.283	93	17678	8.898	ng	97
12) 1,3-Dichlorobenzene	7.747	146	20327	8.958	ng	91
13) 1,4-Dichlorobenzene	7.894	146	20840	9.100	ng	91
14) 1,2-Dichlorobenzene	8.205	146	20336	9.201	ng	94
15) Benzyl Alcohol	8.093	79	18655	8.430	ng	94
16) 2,2'-oxybis(1-Chloropr...	8.381	45	37723	8.317	ng	95
17) 2-Methylphenol	8.299	107	16806	8.529	ng	# 90
18) Hexachloroethane	8.939	117	7530	8.424	ng	# 85
19) n-Nitroso-di-n-propyla...	8.652	70	16671	9.084	ng	# 98
20) 3+4-Methylphenols	8.622	107	22755	8.311	ng	93
22) Acetophenone	8.669	105	32634	8.983	ng	# 98
24) Nitrobenzene	9.051	77	24716	9.188	ng	# 91
25) Isophorone	9.568	82	47343	8.847	ng	# 94
26) 2-Nitrophenol	9.762	139	9809	8.439	ng	98
27) 2,4-Dimethylphenol	9.821	122	17271	8.463	ng	96
28) bis(2-Chloroethoxy)met...	10.056	93	25894	8.974	ng	# 96
29) 2,4-Dichlorophenol	10.291	162	17841	8.286	ng	93
30) 1,2,4-Trichlorobenzene	10.508	180	20877	9.195	ng	94
31) Naphthalene	10.696	128	63893	8.581	ng	98
32) Benzoic acid	9.915	122	9712m	5.995	ng	
33) 4-Chloroaniline	10.802	127	26543	9.197	ng	97
34) Hexachlorobutadiene	10.978	225	15090	8.991	ng	97
35) Caprolactam	11.542	113	6785	8.138	ng	# 75
36) 4-Chloro-3-methylphenol	11.924	107	23666	8.471	ng	99
37) 2-Methylnaphthalene	12.300	142	41823	7.557	ng	99
38) 1-Methylnaphthalene	12.518	142	44770m	8.189	ng	
40) 1,2,4,5-Tetrachloroben...	12.670	216	25378	8.735	ng	96
41) Hexachlorocyclopentadiene	12.659	237	12031	8.713	ng	89
43) 2,4,6-Trichlorophenol	12.911	196	16505	8.500	ng	97

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44) 2,4,5-Trichlorophenol	12.982	196	18310	8.693	ng	87
46) 1,1'-Biphenyl	13.317	154	65770	8.968	ng	96
47) 2-Chloronaphthalene	13.352	162	49796	9.032	ng	97
48) 2-Nitroaniline	13.552	65	16848	8.966	ng	92
49) Acenaphthylene	14.198	152	79130	9.709	ng	97
50) Dimethylphthalate	13.934	163	65819	8.636	ng	98
51) 2,6-Dinitrotoluene	14.051	165	12780	8.662	ng	95
52) Acenaphthene	14.545	154	49378	8.585	ng	94
53) 3-Nitroaniline	14.374	138	12695	8.214	ng	93
54) 2,4-Dinitrophenol	14.586	184	4669	10.153	ng	94
55) Dibenzofuran	14.880	168	78978	8.730	ng	99
56) 4-Nitrophenol	14.692	139	8513	6.715	ng	94
57) 2,4-Dinitrotoluene	14.838	165	18796	8.425	ng	93
58) Fluorene	15.526	166	65801	8.874	ng	98
59) 2,3,4,6-Tetrachlorophenol	15.103	232	17439	8.608	ng	# 96
60) Diethylphthalate	15.303	149	69087	8.470	ng	99
61) 4-Chlorophenyl-phenyle...	15.526	204	33266	8.998	ng	92
62) 4-Nitroaniline	15.538	138	12327	7.816	ng	# 85
63) Azobenzene	15.814	77	63955	8.797	ng	94
65) 4,6-Dinitro-2-methylph...	15.596	198	9399	7.348	ng	95
66) n-Nitrosodiphenylamine	15.732	169	57155	9.325	ng	97
67) 4-Bromophenyl-phenylether	16.419	248	21529	9.098	ng	98
68) Hexachlorobenzene	16.531	284	23667	9.006	ng	# 92
69) Atrazine	16.683	200	21872	8.547	ng	95
70) Pentachlorophenol	16.877	266	12086	7.585	ng	96
71) Phenanthrene	17.259	178	105225	8.954	ng	97
72) Anthracene	17.353	178	106294	8.892	ng	98
73) Carbazole	17.618	167	93207	8.851	ng	98
74) Di-n-butylphthalate	18.187	149	114079	9.017	ng	99
75) Fluoranthene	19.269	202	118977	8.611	ng	97
77) Benzidine	19.451	184	49784	10.555	ng	96
78) Pyrene	19.633	202	127542	9.029	ng	98
80) Butylbenzylphthalate	20.532	149	51882	9.738	ng	96
81) Benzo(a)anthracene	21.431	228	129903	9.056	ng	99
82) 3,3'-Dichlorobenzidine	21.354	252	45502	9.740	ng	96
83) Chrysene	21.495	228	123591	8.975	ng	97
84) Bis(2-ethylhexyl)phtha...	21.360	149	75549	9.445	ng	93
85) Di-n-octyl phthalate	22.494	149	128095	9.191	ng	99
87) Indeno(1,2,3-cd)pyrene	27.835	276	145379	8.844	ng	# 95
88) Benzo(b)fluoranthene	23.505	252	121023	8.908	ng	# 97
89) Benzo(k)fluoranthene	23.569	252	124150	8.970	ng	95
90) Benzo(a)pyrene	24.316	252	119101	9.425	ng	99
91) Dibenzo(a,h)anthracene	27.894	278	117443	8.898	ng	97
92) Benzo(g,h,i)perylene	28.893	276	118686	9.241	ng	97

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

