

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG090325\
 Data File : BG064252.D
 Acq On : 3 Sep 2025 13:42
 Operator : RC/JU
 Sample : Q2126-01
 Misc : LOD-MDL-SOIL 4PPM
 ALS Vial : 4 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 14:19:11 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	37507	20.000	ng	0.00
21) Naphthalene-d8	10.643	136	165433	20.000	ng	0.00
39) Acenaphthene-d10	14.480	164	114866	20.000	ng	0.00
64) Phenanthrene-d10	17.224	188	235550	20.000	ng	0.00
76) Chrysene-d12	21.448	240	222539	20.000	ng	0.00
86) Perylene-d12	24.462	264	237940	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.443	112	288113	137.815	ng	0.00
7) Phenol-d6	7.030	99	416117	144.882	ng	0.00
23) Nitrobenzene-d5	9.010	82	307048	103.511	ng	0.00
42) 2,4,6-Tribromophenol	15.966	330	200587	131.839	ng	0.00
45) 2-Fluorobiphenyl	13.105	172	763901	101.508	ng	0.00
79) Terphenyl-d14	19.844	244	1091458	102.326	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.369	88	4317	4.954	ng	84
3) Pyridine	3.757	79	10625	4.142	ng	# 50
4) n-Nitrosodimethylamine	3.669	42	6538	3.854	ng	# 89
6) Aniline	7.183	93	17824	4.488	ng	95
8) 2-Chlorophenol	7.423	128	11488	4.497	ng	90
9) Benzaldehyde	6.995	77	11287	4.775	ng	90
10) Phenol	7.053	94	14666	4.632	ng	83
11) bis(2-Chloroethyl)ether	7.277	93	11118	4.672	ng	89
12) 1,3-Dichlorobenzene	7.741	146	12680m	4.666	ng	
13) 1,4-Dichlorobenzene	7.894	146	12745m	4.647	ng	
14) 1,2-Dichlorobenzene	8.205	146	12879	4.865	ng	94
15) Benzyl Alcohol	8.093	79	10646	4.017	ng	95
16) 2,2'-oxybis(1-Chloropr...	8.375	45	22591	4.158	ng	97
17) 2-Methylphenol	8.293	107	9895	4.193	ng	90
18) Hexachloroethane	8.939	117	4155	3.881	ng	86
19) n-Nitroso-di-n-propyla...	8.657	70	9870	4.490	ng	# 98
20) 3+4-Methylphenols	8.622	107	13393	4.084	ng	# 87
22) Acetophenone	8.669	105	18594	4.443	ng	# 95
24) Nitrobenzene	9.045	77	15250	4.921	ng	# 93
25) Isophorone	9.568	82	27091	4.394	ng	97
26) 2-Nitrophenol	9.762	139	5748	4.292	ng	94
27) 2,4-Dimethylphenol	9.821	122	11939	5.078	ng	88
28) bis(2-Chloroethoxy)met...	10.056	93	14963	4.501	ng	# 93
29) 2,4-Dichlorophenol	10.291	162	10949	4.414	ng	84
30) 1,2,4-Trichlorobenzene	10.514	180	11948	4.568	ng	85
31) Naphthalene	10.696	128	37605	4.384	ng	98
32) Benzoic acid	9.915	122	4596m	2.463	ng	
33) 4-Chloroaniline	10.802	127	14798	4.451	ng	96
34) Hexachlorobutadiene	10.984	225	8743	4.522	ng	# 88
35) Caprolactam	11.542	113	3477	3.620	ng	# 79
36) 4-Chloro-3-methylphenol	11.924	107	13496	4.193	ng	92
37) 2-Methylnaphthalene	12.306	142	24921	3.908	ng	94
38) 1-Methylnaphthalene	12.523	142	26631m	4.228	ng	
40) 1,2,4,5-Tetrachloroben...	12.670	216	15314	4.621	ng	97
41) Hexachlorocyclopentadiene	12.653	237	6240	3.962	ng	95
43) 2,4,6-Trichlorophenol	12.911	196	9909	4.473	ng	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.988	196	10722	4.462	ng	# 82
46) 1,1'-Biphenyl	13.317	154	39266	4.693	ng	95
47) 2-Chloronaphthalene	13.358	162	28776	4.575	ng	94
48) 2-Nitroaniline	13.557	65	9091	4.241	ng	# 80
49) Acenaphthylene	14.198	152	46042	4.952	ng	96
50) Dimethylphthalate	13.934	163	37659	4.331	ng	# 98
51) 2,6-Dinitrotoluene	14.051	165	7093	4.214	ng	# 89
52) Acenaphthene	14.545	154	28622	4.362	ng	90
53) 3-Nitroaniline	14.386	138	6128	3.476	ng	91
54) 2,4-Dinitrophenol	14.597	184	1460	6.885	ng	95
55) Dibenzofuran	14.879	168	46059	4.463	ng	97
56) 4-Nitrophenol	14.691	139	3352	2.318	ng	98
57) 2,4-Dinitrotoluene	14.838	165	10051	3.949	ng	# 97
58) Fluorene	15.526	166	37846	4.474	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.109	232	9591	4.150	ng	# 97
60) Diethylphthalate	15.303	149	35105	3.773	ng	96
61) 4-Chlorophenyl-phenyle...	15.520	204	17913	4.247	ng	92
62) 4-Nitroaniline	15.538	138	5641	3.135	ng	92
63) Azobenzene	15.820	77	36554	4.408	ng	95
65) 4,6-Dinitro-2-methylph...	15.608	198	4171	3.084	ng	89
66) n-Nitrosodiphenylamine	15.737	169	30821	4.757	ng	93
67) 4-Bromophenyl-phenylether	16.413	248	11761	4.701	ng	98
68) Hexachlorobenzene	16.530	284	13933	5.015	ng	# 91
69) Atrazine	16.683	200	10593	3.915	ng	91
70) Pentachlorophenol	16.877	266	5292	3.141	ng	# 74
71) Phenanthrene	17.265	178	53637	4.317	ng	95
72) Anthracene	17.353	178	56140	4.442	ng	95
73) Carbazole	17.623	167	43820	3.936	ng	99
74) Di-n-butylphthalate	18.187	149	54030	4.040	ng	98
75) Fluoranthene	19.274	202	57955	3.967	ng	99
77) Benzidine	19.456	184	19875	4.245	ng	# 91
78) Pyrene	19.633	202	60915	4.345	ng	98
80) Butylbenzylphthalate	20.532	149	25832	4.885	ng	96
81) Benzo(a)anthracene	21.431	228	63161	4.436	ng	99
82) 3,3'-Dichlorobenzidine	21.354	252	22722	4.900	ng	# 92
83) Chrysene	21.495	228	61194	4.477	ng	99
84) Bis(2-ethylhexyl)phtha...	21.360	149	39781	5.011	ng	94
85) Di-n-octyl phthalate	22.500	149	64788	4.683	ng	# 98
87) Indeno(1,2,3-cd)pyrene	27.847	276	72676	4.473	ng	# 90
88) Benzo(b)fluoranthene	23.505	252	62677m	4.667	ng	
89) Benzo(k)fluoranthene	23.563	252	63151m	4.616	ng	
90) Benzo(a)pyrene	24.315	252	58197	4.659	ng	# 97
91) Dibenzo(a,h)anthracene	27.900	278	57819	4.432	ng	98
92) Benzo(g,h,i)perylene	28.887	276	58802	4.632	ng	99

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

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