

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP071425\
 Data File : BP025114.D
 Acq On : 14 Jul 2025 10:44
 Operator : CG/JU
 Sample : Q2126-03
 Misc : MDL-MDL-SOIL-4 PPM
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 MDL-SOIL-03-QT2-2025

Quant Time: Jul 14 11:15:03 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP070325.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 03 16:05:44 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 07/15/2025
 Supervised By :Jagrut Upadhyay 07/15/2025

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.437	152	389870	20.000	ng	0.00
21) Naphthalene-d8	10.184	136	1633575	20.000	ng	0.00
39) Acenaphthene-d10	14.072	164	1104464	20.000	ng	-0.02
64) Phenanthrene-d10	16.895	188	2379249	20.000	ng	-0.01
76) Chrysene-d12	21.330	240	2691664	20.000	ng	-0.01
86) Perylene-d12	24.465	264	2904678	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.096	112	2703392	122.862	ng	0.00
7) Phenol-d6	6.625	99	3484329	121.345	ng	0.00
23) Nitrobenzene-d5	8.560	82	2278824	92.774	ng	0.00
42) 2,4,6-Tribromophenol	15.613	330	1909213	146.329	ng	0.00
45) 2-Fluorobiphenyl	12.690	172	6164820	86.470	ng	0.00
79) Terphenyl-d14	19.666	244	11097414	90.612	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.120	88	32499	3.798	ng	97
3) Pyridine	3.496	79	86384	3.688	ng	98
4) n-Nitrosodimethylamine	3.408	42	35997	3.629	ng	# 89
6) Aniline	6.778	93	141835	5.287	ng	100
8) 2-Chlorophenol	7.008	128	99741	4.051	ng	97
9) Benzaldehyde	6.596	77	82994	5.534	ng	98
10) Phenol	6.649	94	114510	3.925	ng	93
11) bis(2-Chloroethyl)ether	6.878	93	86345	3.845	ng	97
12) 1,3-Dichlorobenzene	7.331	146	112867	4.096	ng	98
13) 1,4-Dichlorobenzene	7.472	146	115703	4.148	ng	97
14) 1,2-Dichlorobenzene	7.778	146	111732	4.164	ng	98
15) Benzyl Alcohol	7.666	79	74501	3.887	ng	97
16) 2,2'-oxybis(1-Chloropr...	7.966	45	115703	3.963	ng	98
17) 2-Methylphenol	7.872	107	72435	3.854	ng	97
18) Hexachloroethane	8.496	117	37405	4.116	ng	95
19) n-Nitroso-di-n-propyla...	8.225	70	67582	3.969	ng	96
20) 3+4-Methylphenols	8.190	107	97598	3.707	ng	97
22) Acetophenone	8.237	105	153742	3.980	ng	# 97
24) Nitrobenzene	8.602	77	100088	4.000	ng	96
25) Isophorone	9.131	82	184673	4.023	ng	100
26) 2-Nitrophenol	9.302	139	39459	6.328	ng	94
27) 2,4-Dimethylphenol	9.378	122	88593	5.174	ng	99
28) bis(2-Chloroethoxy)met...	9.607	93	120554	3.868	ng	97
29) 2,4-Dichlorophenol	9.837	162	85122	3.585	ng	96
30) 1,2,4-Trichlorobenzene	10.049	180	105356	4.007	ng	98
31) Naphthalene	10.231	128	325151	3.865	ng	99
32) Benzoic acid	9.425	122	37979m	8.137	ng	
33) 4-Chloroaniline	10.331	127	131910	4.202	ng	98
34) Hexachlorobutadiene	10.537	225	59864	3.967	ng	98
35) Caprolactam	11.078	113	28628	3.524	ng	98
36) 4-Chloro-3-methylphenol	11.472	107	85388	3.441	ng	96
37) 2-Methylnaphthalene	11.854	142	207036	3.488	ng	100
38) 1-Methylnaphthalene	12.072	142	218439	3.774	ng	99
40) 1,2,4,5-Tetrachloroben...	12.237	216	122002	3.844	ng	100
41) Hexachlorocyclopentadiene	12.225	237	51320	6.190	ng	98
43) 2,4,6-Trichlorophenol	12.478	196	67897	3.533	ng	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.548	196	76229	3.500	ng	97
46) 1,1'-Biphenyl	12.895	154	315294	3.924	ng	99
47) 2-Chloronaphthalene	12.931	162	238483	3.948	ng	98
48) 2-Nitroaniline	13.131	65	46144	5.704	ng	98
49) Acenaphthylene	13.790	152	378051	4.090	ng	99
50) Dimethylphthalate	13.543	163	300778	3.890	ng	99
51) 2,6-Dinitrotoluene	13.643	165	53889	3.574	ng	99
52) Acenaphthene	14.142	154	224120	3.762	ng	98
53) 3-Nitroaniline	13.972	138	58857	3.642	ng	# 99
54) 2,4-Dinitrophenol	14.190	184	18858	7.772	ng	94
55) Dibenzofuran	14.490	168	377906	3.843	ng	99
56) 4-Nitrophenol	14.295	139	46858	3.142	ng	95
57) 2,4-Dinitrotoluene	14.454	165	66429	5.474	ng	98
58) Fluorene	15.154	166	301999	3.971	ng	97
59) 2,3,4,6-Tetrachlorophenol	14.719	232	70494	3.574	ng	99
60) Diethylphthalate	14.948	149	292350	3.765	ng	99
61) 4-Chlorophenyl-phenyle...	15.160	204	149054	3.960	ng	99
62) 4-Nitroaniline	15.160	138	61835	3.649	ng	97
63) Azobenzene	15.460	77	240941	3.484	ng	97
65) 4,6-Dinitro-2-methylph...	15.231	198	28917	7.939	ng	96
66) n-Nitrosodiphenylamine	15.378	169	249637	3.666	ng	99
67) 4-Bromophenyl-phenylether	16.078	248	93085	3.821	ng	92
68) Hexachlorobenzene	16.172	284	118721	3.987	ng	96
69) Atrazine	16.372	200	92319	4.627	ng	98
70) Pentachlorophenol	16.536	266	59305	2.949	ng	99
71) Phenanthrene	16.936	178	518302	4.077	ng	99
72) Anthracene	17.031	178	484992	3.976	ng	100
73) Carbazole	17.313	167	461363	3.869	ng	99
74) Di-n-butylphthalate	17.948	149	477557	3.596	ng	100
75) Fluoranthene	19.042	202	565150	3.803	ng	98
77) Benzidine	19.254	184	191455	4.027	ng	98
78) Pyrene	19.419	202	610612	3.663	ng	99
80) Butylbenzylphthalate	20.424	149	192445	6.448	ng	96
81) Benzo(a)anthracene	21.313	228	640690	3.928	ng	99
82) 3,3'-Dichlorobenzidine	21.248	252	184425	3.756	ng	99
83) Chrysene	21.372	228	614618	3.915	ng	99
84) Bis(2-ethylhexyl)phtha...	21.319	149	310641	3.550	ng	99
85) Di-n-octyl phthalate	22.530	149	446787	8.530	ng	99
87) Indeno(1,2,3-cd)pyrene	27.959	276	708779m	3.830	ng	
88) Benzo(b)fluoranthene	23.471	252	612999	3.626	ng	99
89) Benzo(k)fluoranthene	23.542	252	611852	3.637	ng	99
90) Benzo(a)pyrene	24.307	252	559686	3.890	ng	99
91) Dibenzo(a,h)anthracene	28.054	278	575254	3.761	ng	97
92) Benzo(g,h,i)perylene	29.042	276	588175	3.722	ng	99

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

