

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041725\
 Data File : BP024327.D
 Acq On : 17 Apr 2025 15:20
 Operator : RC/JU
 Sample : Q1821-01MS
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SOIL-CUTTINGMS

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 04/18/2025
 Supervised By :Jagrut Upadhyay 04/18/2025

Quant Time: Apr 17 16:02:15 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 15 04:48:42 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.728	152	229439	20.000	ng	0.00
21) Naphthalene-d8	10.499	136	851922	20.000	ng	0.00
39) Acenaphthene-d10	14.351	164	480975	20.000	ng	-0.02
64) Phenanthrene-d10	17.157	188	913873	20.000	ng	-0.02
76) Chrysene-d12	21.604	240	1033768	20.000	ng	-0.02
86) Perylene-d12	24.945	264	1271915	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.346	112	1255693	90.492	ng	0.00
7) Phenol-d6	6.910	99	1539496	81.024	ng	0.00
23) Nitrobenzene-d5	8.869	82	937064	62.720	ng	-0.01
42) 2,4,6-Tribromophenol	15.869	330	559320	84.051	ng	-0.02
45) 2-Fluorobiphenyl	12.963	172	1909390	60.783	ng	-0.02
79) Terphenyl-d14	19.875	244	2836041	55.297	ng	-0.05
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.287	88	266659	45.432	ng	98
3) Pyridine	3.687	79	556836	35.928	ng	98
4) n-Nitrosodimethylamine	3.593	42	230373	44.788	ng	96
6) Aniline	7.081	93	344004	20.261	ng	99
8) 2-Chlorophenol	7.305	128	662621	42.770	ng	98
9) Benzaldehyde	6.875	77	367442	39.094	ng	99
10) Phenol	6.940	94	816761	42.851	ng	98
11) bis(2-Chloroethyl)ether	7.158	93	637297	41.498	ng	99
12) 1,3-Dichlorobenzene	7.616	146	749699	44.948	ng	100
13) 1,4-Dichlorobenzene	7.758	146	758300	44.809	ng	99
14) 1,2-Dichlorobenzene	8.075	146	718898	43.993	ng	99
15) Benzyl Alcohol	7.963	79	424192	34.522	ng	98
16) 2,2'-oxybis(1-Chloropr...	8.252	45	713066	42.957	ng	98
17) 2-Methylphenol	8.169	107	521104	42.262	ng	99
18) Hexachloroethane	8.793	117	281497	46.028	ng	98
19) n-Nitroso-di-n-propyla...	8.522	70	449824	38.267	ng	100
20) 3+4-Methylphenols	8.493	107	688635	40.250	ng	100
22) Acetophenone	8.540	105	934460	44.317	ng	# 99
24) Nitrobenzene	8.916	77	681436	46.106	ng	99
25) Isophorone	9.434	82	1230155	45.488	ng	100
26) 2-Nitrophenol	9.616	139	332987	46.038	ng	98
27) 2,4-Dimethylphenol	9.681	122	552448	60.830	ng	98
28) bis(2-Chloroethoxy)met...	9.910	93	779833	42.687	ng	100
29) 2,4-Dichlorophenol	10.157	162	535003	43.204	ng	99
30) 1,2,4-Trichlorobenzene	10.357	180	611468	46.088	ng	97
31) Naphthalene	10.551	128	1922443	42.839	ng	99
32) Benzoic acid	9.816	122	361515m	34.162	ng	
33) 4-Chloroaniline	10.699	127	607307m	38.429	ng	
34) Hexachlorobutadiene	10.840	225	365983	46.943	ng	100
35) Caprolactam	11.451	113	172203	37.689	ng	99
36) 4-Chloro-3-methylphenol	11.793	107	567905	39.374	ng	98
37) 2-Methylnaphthalene	12.157	142	1167687	37.519	ng	99
38) 1-Methylnaphthalene	12.375	142	1215065	39.908	ng	100
40) 1,2,4,5-Tetrachloroben...	12.528	216	623657	47.151	ng	98
41) Hexachlorocyclopentadiene	12.510	237	895651	191.461	ng	98
43) 2,4,6-Trichlorophenol	12.775	196	402264	45.743	ng	98

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44) 2,4,5-Trichlorophenol	12.851	196	435330	44.704	ng	99
46) 1,1'-Biphenyl	13.175	154	1579506	44.677	ng	100
47) 2-Chloronaphthalene	13.216	162	1216254	46.030	ng	99
48) 2-Nitroaniline	13.422	65	347040	46.822	ng	92
49) Acenaphthylene	14.075	152	1993630	47.922	ng	100
50) Dimethylphthalate	13.810	163	1458860	41.709	ng	99
51) 2,6-Dinitrotoluene	13.928	165	319052	42.956	ng	98
52) Acenaphthene	14.416	154	1122585	42.564	ng	100
53) 3-Nitroaniline	14.269	138	337302	43.209	ng	100
54) 2,4-Dinitrophenol	14.469	184	403623	92.255	ng	96
55) Dibenzofuran	14.751	168	1770106	41.060	ng	99
56) 4-Nitrophenol	14.587	139	597373	88.606	ng	94
57) 2,4-Dinitrotoluene	14.728	165	455959	45.003	ng	98
58) Fluorene	15.416	166	1436663	43.049	ng	99
59) 2,3,4,6-Tetrachlorophenol	14.987	232	383539	42.703	ng	99
60) Diethylphthalate	15.192	149	1494111	41.451	ng	99
61) 4-Chlorophenyl-phenyle...	15.410	204	686013	42.331	ng	99
62) 4-Nitroaniline	15.439	138	353015	42.718	ng	95
63) Azobenzene	15.710	77	1637510	49.428	ng	98
65) 4,6-Dinitro-2-methylph...	15.504	198	255384	44.325	ng	96
66) n-Nitrosodiphenylamine	15.634	169	1216932	44.614	ng	99
67) 4-Bromophenyl-phenylether	16.322	248	445466	44.570	ng	98
68) Hexachlorobenzene	16.439	284	531777	44.775	ng	96
69) Atrazine	16.622	200	397973	57.285	ng	99
70) Pentachlorophenol	16.798	266	731583	88.297	ng	99
71) Phenanthrene	17.198	178	2212223	44.374	ng	99
72) Anthracene	17.292	178	2255303	46.937	ng	99
73) Carbazole	17.575	167	2100348	44.738	ng	100
74) Di-n-butylphthalate	18.163	149	2623835	44.859	ng	100
75) Fluoranthene	19.286	202	2642023	44.558	ng	99
77) Benzidine	19.492	184	1301862	99.349	ng	100
78) Pyrene	19.663	202	2794585	42.537	ng	99
80) Butylbenzylphthalate	20.610	149	1284880	45.661	ng	98
81) Benzo(a)anthracene	21.580	228	2968621	46.201	ng	100
82) 3,3'-Dichlorobenzidine	21.510	252	881418	39.083	ng	100
83) Chrysene	21.651	228	2759501	44.827	ng	100
84) Bis(2-ethylhexyl)phtha...	21.527	149	1895349	45.946	ng	100
85) Di-n-octyl phthalate	22.810	149	3347688	49.918	ng	100
87) Indeno(1,2,3-cd)pyrene	28.774	276	4413685	49.984	ng	100
88) Benzo(b)fluoranthene	23.898	252	3260338	42.764	ng	100
89) Benzo(k)fluoranthene	23.968	252	3272022	44.431	ng	100
90) Benzo(a)pyrene	24.792	252	3185071	48.432	ng	100
91) Dibenzo(a,h)anthracene	28.839	278	3600668	49.127	ng	99
92) Benzo(g,h,i)perylene	29.933	276	3565495	47.794	ng	99

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

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