

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041725\
 Data File : BP024328.D
 Acq On : 17 Apr 2025 16:01
 Operator : RC/JU
 Sample : Q1821-01MSD
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SOIL-CUTTINGMSD

Manual Integrations
 APPROVED

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

Quant Time: Apr 17 16:27:13 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	7.722	152	259076	20.000	ng	0.00
21) Naphthalene-d8	10.498	136	987151	20.000	ng	0.00
39) Acenaphthene-d10	14.357	164	562727	20.000	ng	-0.01
64) Phenanthrene-d10	17.157	188	1041169	20.000	ng	-0.02
76) Chrysene-d12	21.598	240	1124343	20.000	ng	-0.02
86) Perylene-d12	24.956	264	1396094	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.346	112	1411522	90.085	ng	0.00
7) Phenol-d6	6.910	99	1772849	82.631	ng	0.00
23) Nitrobenzene-d5	8.869	82	1056944	61.053	ng	-0.01
42) 2,4,6-Tribromophenol	15.875	330	643036	82.593	ng	-0.02
45) 2-Fluorobiphenyl	12.969	172	2194883	59.720	ng	-0.01
79) Terphenyl-d14	19.874	244	3096675	55.515	ng	-0.05
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.293	88	279357	42.151	ng	98
3) Pyridine	3.687	79	670524	38.314	ng	99
4) n-Nitrosodimethylamine	3.593	42	254229	43.772	ng	97
6) Aniline	7.075	93	452225	23.588	ng	98
8) 2-Chlorophenol	7.299	128	764691	43.712	ng	99
9) Benzaldehyde	6.875	77	408288	38.471	ng	97
10) Phenol	6.934	94	939793	43.666	ng	98
11) bis(2-Chloroethyl)ether	7.151	93	832977	48.036	ng	99
12) 1,3-Dichlorobenzene	7.616	146	823041	43.701	ng	99
13) 1,4-Dichlorobenzene	7.757	146	835275	43.711	ng	99
14) 1,2-Dichlorobenzene	8.075	146	797424	43.216	ng	99
15) Benzyl Alcohol	7.963	79	498870	35.955	ng	98
16) 2,2'-oxybis(1-Chloropr...	8.240	45	790029	42.149	ng	98
17) 2-Methylphenol	8.169	107	608476	43.703	ng	98
18) Hexachloroethane	8.793	117	312887	45.308	ng	98
19) n-Nitroso-di-n-propyla...	8.522	70	508237	38.290	ng	99
20) 3+4-Methylphenols	8.493	107	803121	41.572	ng	99
22) Acetophenone	8.540	105	1054706	43.168	ng	100
24) Nitrobenzene	8.910	77	774549	45.227	ng	98
25) Isophorone	9.440	82	1412426	45.074	ng	99
26) 2-Nitrophenol	9.622	139	382361	45.622	ng	99
27) 2,4-Dimethylphenol	9.687	122	638512	60.675	ng	99
28) bis(2-Chloroethoxy)met...	9.916	93	884167	41.768	ng	100
29) 2,4-Dichlorophenol	10.157	162	630106	43.914	ng	100
30) 1,2,4-Trichlorobenzene	10.363	180	686480	44.654	ng	100
31) Naphthalene	10.551	128	2160233	41.543	ng	100
32) Benzoic acid	9.828	122	421792	34.398	ng	98
33) 4-Chloroaniline	10.692	127	647066m	35.336	ng	
34) Hexachlorobutadiene	10.834	225	413390	45.760	ng	99
35) Caprolactam	11.451	113	201906	38.136	ng	98
36) 4-Chloro-3-methylphenol	11.792	107	684062	40.930	ng	99
37) 2-Methylnaphthalene	12.163	142	1320999	36.631	ng	99
38) 1-Methylnaphthalene	12.381	142	1373415	38.930	ng	100
40) 1,2,4,5-Tetrachloroben...	12.534	216	709931	45.876	ng	98
41) Hexachlorocyclopentadiene	12.516	237	995952	181.972	ng	98
43) 2,4,6-Trichlorophenol	12.781	196	471589	45.836	ng	97

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44) 2,4,5-Trichlorophenol	12.851	196	511995	44.938	ng	98
46) 1,1'-Biphenyl	13.181	154	1790601	43.289	ng	99
47) 2-Chloronaphthalene	13.222	162	1383857	44.764	ng	99
48) 2-Nitroaniline	13.428	65	401592	46.311	ng	98
49) Acenaphthylene	14.075	152	2263156	46.498	ng	100
50) Dimethylphthalate	13.810	163	1689579	41.287	ng	99
51) 2,6-Dinitrotoluene	13.928	165	372504	42.867	ng	97
52) Acenaphthene	14.422	154	1300427	42.144	ng	99
53) 3-Nitroaniline	14.269	138	394749	43.222	ng	96
54) 2,4-Dinitrophenol	14.475	184	477156	93.218	ng	97
55) Dibenzofuran	14.757	168	2021384	40.077	ng	98
56) 4-Nitrophenol	14.598	139	699297	88.655	ng	98
57) 2,4-Dinitrotoluene	14.728	165	524351	44.234	ng	100
58) Fluorene	15.416	166	1598862	40.949	ng	100
59) 2,3,4,6-Tetrachlorophenol	14.998	232	440404	41.911	ng	99
60) Diethylphthalate	15.192	149	1681000	39.861	ng	100
61) 4-Chlorophenyl-phenyle...	15.416	204	771713	40.701	ng	100
62) 4-Nitroaniline	15.445	138	415467	42.971	ng	94
63) Azobenzene	15.716	77	1881103	48.531	ng	99
65) 4,6-Dinitro-2-methylph...	15.510	198	293124	44.655	ng	98
66) n-Nitrosodiphenylamine	15.639	169	1390061	44.730	ng	99
67) 4-Bromophenyl-phenylether	16.333	248	497858	43.721	ng	100
68) Hexachlorobenzene	16.445	284	608763	44.990	ng	95
69) Atrazine	16.627	200	443115	55.985	ng	98
70) Pentachlorophenol	16.804	266	838382	88.816	ng	99
71) Phenanthrene	17.204	178	2472978	43.539	ng	100
72) Anthracene	17.298	178	2502684	45.718	ng	100
73) Carbazole	17.580	167	2378089	44.460	ng	100
74) Di-n-butylphthalate	18.169	149	2967744	44.535	ng	100
75) Fluoranthene	19.280	202	2940292	43.526	ng	100
77) Benzidine	19.486	184	1654230	116.070	ng	99
78) Pyrene	19.657	202	3030680	42.415	ng	100
80) Butylbenzylphthalate	20.610	149	1394581	45.567	ng	95
81) Benzo(a)anthracene	21.580	228	3128087	44.761	ng	100
82) 3,3'-Dichlorobenzidine	21.504	252	855827	34.891	ng	100
83) Chrysene	21.645	228	2943042	43.957	ng	99
84) Bis(2-ethylhexyl)phtha...	21.521	149	2051948	45.735	ng	99
85) Di-n-octyl phthalate	22.798	149	3565788	48.887	ng	100
87) Indeno(1,2,3-cd)pyrene	28.756	276	4731750	48.820	ng	95
88) Benzo(b)fluoranthene	23.892	252	3493620	41.748	ng	100
89) Benzo(k)fluoranthene	23.968	252	3456251	42.758	ng	99
90) Benzo(a)pyrene	24.792	252	3430513	47.524	ng	99
91) Dibenzo(a,h)anthracene	28.833	278	3871306	48.121	ng	98
92) Benzo(g,h,i)perylene	29.950	276	3818194	46.628	ng	98

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

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