

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP112125\
 Data File : BP026182.D
 Acq On : 21 Nov 2025 12:38
 Operator : RC/JU
 Sample : Q3530-03
 Misc : MDL-SOIL-8NG
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 MDL-SOIL-03-QT4-2025

Quant Time: Nov 21 12:58:47 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP111825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 19 01:25:31 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 11/24/2025
 Supervised By :mohammad ahmed 11/26/2025

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.654	152	412843	20.000	ng	-0.02
21) Naphthalene-d8	10.419	136	1419968	20.000	ng	-0.03
39) Acenaphthene-d10	14.301	164	820331	20.000	ng	-0.02
64) Phenanthrene-d10	17.119	188	1481967	20.000	ng	-0.01
76) Chrysene-d12	21.571	240	1500207	20.000	ng	0.00
86) Perylene-d12	24.901	264	1574815	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.278	112	3436600	133.611	ng	-0.01
7) Phenol-d6	6.831	99	3683287	112.485	ng	-0.02
23) Nitrobenzene-d5	8.790	82	2223051	88.928	ng	-0.02
42) 2,4,6-Tribromophenol	15.825	330	1205286	113.261	ng	-0.01
45) 2-Fluorobiphenyl	12.907	172	5011526	89.535	ng	-0.02
79) Terphenyl-d14	19.871	244	6811316	92.578	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.237	88	98475	9.439	ng	99
3) Pyridine	3.625	79	207467	6.881	ng	98
4) n-Nitrosodimethylamine	3.537	42	81483	7.231	ng	# 92
6) Aniline	6.990	93	292806	6.773	ng	98
8) 2-Chlorophenol	7.225	128	216782	7.404	ng	99
9) Benzaldehyde	6.802	77	157102	9.155	ng	97
10) Phenol	6.854	94	244135	6.921	ng	94
11) bis(2-Chloroethyl)ether	7.078	93	189118	6.847	ng	98
12) 1,3-Dichlorobenzene	7.543	146	260817	8.269	ng	100
13) 1,4-Dichlorobenzene	7.690	146	256911	8.083	ng	98
14) 1,2-Dichlorobenzene	8.002	146	242784	7.955	ng	100
15) Benzyl Alcohol	7.884	79	146702	6.115	ng	97
16) 2,2'-oxybis(1-Chloropr...	8.178	45	264928	6.830	ng	98
17) 2-Methylphenol	8.084	107	151876	6.325	ng	99
18) Hexachloroethane	8.719	117	90368	7.814	ng	98
19) n-Nitroso-di-n-propyla...	8.443	70	120245	5.911	ng	97
20) 3+4-Methylphenols	8.407	107	198876	5.977	ng	99
22) Acetophenone	8.460	105	277493	7.688	ng	# 99
24) Nitrobenzene	8.831	77	198143	7.836	ng	99
25) Isophorone	9.354	82	348536	7.033	ng	98
26) 2-Nitrophenol	9.537	139	81665	6.382	ng	97
27) 2,4-Dimethylphenol	9.601	122	143948	6.239	ng	99
28) bis(2-Chloroethoxy)met...	9.837	93	229892	7.407	ng	99
29) 2,4-Dichlorophenol	10.066	162	164841	7.148	ng	97
30) 1,2,4-Trichlorobenzene	10.284	180	200092	8.521	ng	98
31) Naphthalene	10.472	128	592539	7.721	ng	100
32) Benzoic acid	9.672	122	72723	3.743	ng	97
33) 4-Chloroaniline	10.572	127	229119	7.021	ng	100
34) Hexachlorobutadiene	10.766	225	123371	8.078	ng	99
35) Caprolactam	11.331	113	43897	5.316	ng	98
36) 4-Chloro-3-methylphenol	11.707	107	160376	6.543	ng	99
37) 2-Methylnaphthalene	12.090	142	357719	6.575	ng	99
38) 1-Methylnaphthalene	12.313	142	374059	7.034	ng	99
40) 1,2,4,5-Tetrachloroben...	12.460	216	212656	8.573	ng	100
41) Hexachlorocyclopentadiene	12.454	237	95693	5.895	ng	98
43) 2,4,6-Trichlorophenol	12.707	196	122659	7.213	ng	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.778	196	137999	7.270	ng	98
46) 1,1'-Biphenyl	13.119	154	509384	8.246	ng	98
47) 2-Chloronaphthalene	13.154	162	389711	8.023	ng	100
48) 2-Nitroaniline	13.354	65	85194	6.307	ng	95
49) Acenaphthylene	14.013	152	597802	7.461	ng	99
50) Dimethylphthalate	13.748	163	454224	7.413	ng	98
51) 2,6-Dinitrotoluene	13.866	165	87886	7.239	ng	97
52) Acenaphthene	14.360	154	372816	7.940	ng	99
53) 3-Nitroaniline	14.195	138	88591	6.198	ng	# 90
54) 2,4-Dinitrophenol	14.401	184	29069	3.967	ng	99
55) Dibenzofuran	14.707	168	567440	7.803	ng	99
56) 4-Nitrophenol	14.519	139	62179	4.808	ng	99
57) 2,4-Dinitrotoluene	14.666	165	109258	6.027	ng	96
58) Fluorene	15.372	166	445169	7.745	ng	99
59) 2,3,4,6-Tetrachlorophenol	14.942	232	116349	7.225	ng	99
60) Diethylphthalate	15.148	149	441477	7.153	ng	100
61) 4-Chlorophenyl-phenyle...	15.372	204	221125	7.731	ng	99
62) 4-Nitroaniline	15.378	138	83794	5.645	ng	98
63) Azobenzene	15.678	77	386712	7.431	ng	99
65) 4,6-Dinitro-2-methylph...	15.442	198	50521	5.366	ng	94
66) n-Nitrosodiphenylamine	15.595	169	374210	8.163	ng	100
67) 4-Bromophenyl-phenylether	16.301	248	129661	7.900	ng	97
68) Hexachlorobenzene	16.413	284	153416	8.056	ng	97
69) Atrazine	16.578	200	127479	7.374	ng	97
70) Pentachlorophenol	16.760	266	87804	6.591	ng	96
71) Phenanthrene	17.166	178	680924	8.156	ng	98
72) Anthracene	17.260	178	664885	7.809	ng	99
73) Carbazole	17.536	167	612211	7.570	ng	99
74) Di-n-butylphthalate	18.154	149	707217	7.376	ng	99
75) Fluoranthene	19.260	202	760409	7.497	ng	99
77) Benzidine	19.471	184	222751	4.679	ng	99
78) Pyrene	19.642	202	807734	8.212	ng	99
80) Butylbenzylphthalate	20.607	149	297551	6.869	ng	96
81) Benzo(a)anthracene	21.554	228	797400	7.739	ng	98
82) 3,3'-Dichlorobenzidine	21.483	252	252570	6.741	ng	100
83) Chrysene	21.618	228	766965	7.899	ng	99
84) Bis(2-ethylhexyl)phtha...	21.518	149	468812	7.149	ng	99
85) Di-n-octyl phthalate	22.801	149	715306	6.238	ng	99
87) Indeno(1,2,3-cd)pyrene	28.677	276	880558m	7.456	ng	
88) Benzo(b)fluoranthene	23.854	252	756073	7.884	ng	98
89) Benzo(k)fluoranthene	23.930	252	774555	8.086	ng	99
90) Benzo(a)pyrene	24.748	252	716022	7.882	ng	99
91) Dibenzo(a,h)anthracene	28.765	278	726719	7.517	ng	98
92) Benzo(g,h,i)perylene	29.842	276	723904	7.533	ng	98

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

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