

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011425\
 Data File : BF141139.D
 Acq On : 14 Jan 2025 12:19
 Operator : RC/JU
 Sample : P1187-03
 Misc : MDL-MDL-SOIL 8PPM
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT1-2024

Quant Time: Jan 14 12:45:14 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 10 22:54:19 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.822	152	165982	20.000	ng	0.00
21) Naphthalene-d8	8.104	136	645365	20.000	ng	0.00
39) Acenaphthene-d10	9.857	164	347271	20.000	ng	0.00
64) Phenanthrene-d10	11.339	188	591082	20.000	ng	0.00
76) Chrysene-d12	13.980	240	345133	20.000	ng	0.00
86) Perylene-d12	15.439	264	319435	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	1153839	107.388	ng	0.00
7) Phenol-d6	6.445	99	1538172	113.016	ng	0.00
23) Nitrobenzene-d5	7.381	82	1014362	83.317	ng	0.00
42) 2,4,6-Tribromophenol	10.645	330	499189	126.156	ng	0.00
45) 2-Fluorobiphenyl	9.180	172	1874623	82.432	ng	0.00
79) Terphenyl-d14	12.933	244	1912466	82.360	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.534	88	37185	7.772	ng	99
3) Pyridine	3.304	79	87919	7.493	ng	98
4) n-Nitrosodimethylamine	3.210	42	44184	7.701	ng	98
6) Aniline	6.481	93	128305	10.618	ng	99
8) 2-Chlorophenol	6.604	128	97050	8.419	ng	98
9) Benzaldehyde	6.369	77	80212	10.007	ng	99
10) Phenol	6.457	94	123939	8.507	ng	79
11) bis(2-Chloroethyl)ether	6.557	93	91320	8.411	ng	98
12) 1,3-Dichlorobenzene	6.757	146	102726	7.990	ng	98
13) 1,4-Dichlorobenzene	6.839	146	106875	8.249	ng	98
14) 1,2-Dichlorobenzene	6.992	146	98357	8.139	ng	99
15) Benzyl Alcohol	6.957	79	94900	9.655	ng	100
16) 2,2'-oxybis(1-Chloropr...	7.092	45	126388	8.342	ng	97
17) 2-Methylphenol	7.063	107	79031	8.492	ng	99
18) Hexachloroethane	7.334	117	36892	7.874	ng	96
19) n-Nitroso-di-n-propyla...	7.228	70	69989	8.730	ng	99
20) 3+4-Methylphenols	7.216	107	103825	8.843	ng	# 89
22) Acetophenone	7.222	105	145004	9.451	ng	98
24) Nitrobenzene	7.398	77	108630	8.561	ng	99
25) Isophorone	7.633	82	187362	9.005	ng	99
26) 2-Nitrophenol	7.716	139	49092	8.505	ng	99
27) 2,4-Dimethylphenol	7.745	122	54199	6.962	ng	99
28) bis(2-Chloroethoxy)met...	7.851	93	116119	8.893	ng	98
29) 2,4-Dichlorophenol	7.951	162	80231	8.677	ng	97
30) 1,2,4-Trichlorobenzene	8.039	180	91705	8.677	ng	99
31) Naphthalene	8.122	128	300363	8.825	ng	98
32) Benzoic acid	7.804	122	44834	6.003	ng	98
33) 4-Chloroaniline	8.169	127	112339	9.544	ng	99
34) Hexachlorobutadiene	8.239	225	52874	8.302	ng	98
35) Caprolactam	8.498	113	25060	8.278	ng	98
36) 4-Chloro-3-methylphenol	8.639	107	88263	8.728	ng	97
37) 2-Methylnaphthalene	8.816	142	195527	9.016	ng	99
38) 1-Methylnaphthalene	8.910	142	182866	8.556	ng	99
40) 1,2,4,5-Tetrachloroben...	8.980	216	93676	9.398	ng	99
41) Hexachlorocyclopentadiene	8.969	237	24191	7.418	ng	96
43) 2,4,6-Trichlorophenol	9.086	196	55500	8.256	ng	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.122	196	60630	8.540	ng	99
46) 1,1'-Biphenyl	9.280	154	254936	9.453	ng	98
47) 2-Chloronaphthalene	9.304	162	183059	8.715	ng	98
48) 2-Nitroaniline	9.392	65	50566	8.121	ng	97
49) Acenaphthylene	9.716	152	287930	9.594	ng	99
50) Dimethylphthalate	9.575	163	209895	9.003	ng	100
51) 2,6-Dinitrotoluene	9.633	165	44191	8.151	ng	92
52) Acenaphthene	9.886	154	181284	8.646	ng	100
53) 3-Nitroaniline	9.798	138	47897	8.694	ng	99
54) 2,4-Dinitrophenol	9.904	184	13104	5.085	ng #	1
55) Dibenzofuran	10.057	168	258840	9.076	ng	98
56) 4-Nitrophenol	9.951	139	32156	7.453	ng	96
57) 2,4-Dinitrotoluene	10.033	165	58443	8.365	ng	98
58) Fluorene	10.404	166	202432	9.136	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.175	232	52279	8.859	ng	99
60) Diethylphthalate	10.275	149	200507	8.810	ng	99
61) 4-Chlorophenyl-phenyle...	10.398	204	99371	9.202	ng	98
62) 4-Nitroaniline	10.410	138	43645	8.094	ng	98
63) Azobenzene	10.557	77	196763	8.761	ng	98
65) 4,6-Dinitro-2-methylph...	10.439	198	23556	6.877	ng	95
66) n-Nitrosodiphenylamine	10.516	169	173316	9.091	ng	99
67) 4-Bromophenyl-phenylether	10.886	248	61076	8.975	ng	97
68) Hexachlorobenzene	10.951	284	66938	8.836	ng	99
69) Atrazine	11.039	200	55740	10.858	ng	99
70) Pentachlorophenol	11.139	266	33966	7.001	ng	99
71) Phenanthrene	11.363	178	296554	9.345	ng	99
72) Anthracene	11.416	178	285003	9.237	ng	98
73) Carbazole	11.569	167	253501	8.960	ng	99
74) Di-n-butylphthalate	11.910	149	296458	9.156	ng	98
75) Fluoranthene	12.551	202	284605	8.987	ng	99
77) Benzidine	12.680	184	55175	8.621	ng	97
78) Pyrene	12.780	202	293979	8.918	ng	99
80) Butylbenzylphthalate	13.410	149	91897	8.361	ng	99
81) Benzo(a)anthracene	13.968	228	204460	8.705	ng	99
82) 3,3'-Dichlorobenzidine	13.933	252	60567	8.098	ng	99
83) Chrysene	14.004	228	200285	9.113	ng	99
84) Bis(2-ethylhexyl)phtha...	13.968	149	117517	8.911	ng	99
85) Di-n-octyl phthalate	14.586	149	151802	7.623	ng	99
87) Indeno(1,2,3-cd)pyrene	16.886	276	207397	8.862	ng	98
88) Benzo(b)fluoranthene	15.015	252	174454	8.469	ng	99
89) Benzo(k)fluoranthene	15.039	252	159092	9.139	ng	98
90) Benzo(a)pyrene	15.374	252	159108	9.362	ng	97
91) Dibenzo(a,h)anthracene	16.903	278	165703	8.754	ng	98
92) Benzo(g,h,i)perylene	17.315	276	163125	8.285	ng	99

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

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