

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG011025\
 Data File : BG063949.D
 Acq On : 10 Jan 2025 14:07
 Operator : RC/JU
 Sample : P1187-01
 Misc : LOD-MDL-SOIL-4PPM
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2024

Quant Time: Jan 10 14:45:38 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG010325.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 03 23:17:54 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.765	152	105538	20.000	ng	-0.03
21) Naphthalene-d8	10.556	136	412031	20.000	ng	-0.02
39) Acenaphthene-d10	14.416	164	285267	20.000	ng	-0.02
64) Phenanthrene-d10	17.172	188	654860	20.000	ng	-0.02
76) Chrysene-d12	21.426	240	665529	20.000	ng	#-0.03
86) Perylene-d12	24.428	264	720105	20.000	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.362	112	774944	116.991	ng	-0.03
7) Phenol-d6	6.954	99	1113480	116.196	ng	-0.03
23) Nitrobenzene-d5	8.923	82	826142	78.981	ng	-0.03
42) 2,4,6-Tribromophenol	15.914	330	361619	105.124	ng	-0.02
45) 2-Fluorobiphenyl	13.030	172	1600116	81.261	ng	-0.02
79) Terphenyl-d14	19.804	244	2720628	81.167	ng	-0.02
Target Compounds						Qvalue
2) 1,4-Dioxane	3.253	88	13547	3.890	ng	# 89
3) Pyridine	3.658	79	31238	3.330	ng	# 86
4) n-Nitrosodimethylamine	3.576	42	12929	3.606	ng	# 83
6) Aniline	7.095	93	41046	4.931	ng	89
8) 2-Chlorophenol	7.336	128	25281	3.926	ng	91
9) Benzaldehyde	6.907	77	30278	4.948	ng	89
10) Phenol	6.978	94	41259	4.135	ng	86
11) bis(2-Chloroethyl)ether	7.195	93	30085	3.846	ng	81
12) 1,3-Dichlorobenzene	7.659	146	30583	3.940	ng	96
13) 1,4-Dichlorobenzene	7.806	146	33766	4.352	ng	89
14) 1,2-Dichlorobenzene	8.118	146	31465	4.121	ng	96
15) Benzyl Alcohol	8.006	79	22897	3.330	ng	90
16) 2,2'-oxybis(1-Chloropr...	8.282	45	46086	4.093	ng	96
17) 2-Methylphenol	8.223	107	23020	3.554	ng	96
18) Hexachloroethane	8.835	117	10995	3.654	ng	# 78
19) n-Nitroso-di-n-propyla...	8.570	70	24020	3.432	ng	# 82
20) 3+4-Methylphenols	8.553	107	32075	3.682	ng	87
22) Acetophenone	8.588	105	49953	4.037	ng	# 95
24) Nitrobenzene	8.970	77	41968	3.737	ng	93
25) Isophorone	9.487	82	66526	3.609	ng	96
26) 2-Nitrophenol	9.681	139	11915	3.343	ng	# 94
27) 2,4-Dimethylphenol	9.751	122	11484	2.527	ng	# 74
28) bis(2-Chloroethoxy)met...	9.974	93	38972	3.545	ng	# 98
29) 2,4-Dichlorophenol	10.233	162	23072	3.398	ng	96
30) 1,2,4-Trichlorobenzene	10.421	180	32185	3.919	ng	95
31) Naphthalene	10.609	128	90203	4.038	ng	# 96
33) 4-Chloroaniline	10.738	127	28388	3.915	ng	# 86
34) Hexachlorobutadiene	10.891	225	19289	3.426	ng	95
35) Caprolactam	11.473	113	7176	3.201	ng	# 80
36) 4-Chloro-3-methylphenol	11.872	107	23915	3.173	ng	96
37) 2-Methylnaphthalene	12.231	142	59815	3.811	ng	93
38) 1-Methylnaphthalene	12.442	142	56030	3.589	ng	94
40) 1,2,4,5-Tetrachloroben...	12.607	216	37892	3.959	ng	98
43) 2,4,6-Trichlorophenol	12.847	196	18339m	3.253	ng	
44) 2,4,5-Trichlorophenol	12.942	196	21375	3.379	ng	96
46) 1,1'-Biphenyl	13.247	154	88101	4.231	ng	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
47) 2-Chloronaphthalene	13.288	162	66023	3.857	ng	95
48) 2-Nitroaniline	13.500	65	17553	3.065	ng	95
49) Acenaphthylene	14.140	152	106233	4.189	ng	97
50) Dimethylphthalate	13.870	163	78829	3.783	ng	97
51) 2,6-Dinitrotoluene	13.993	165	15461	3.331	ng	# 81
52) Acenaphthene	14.481	154	57816	3.728	ng	90
53) 3-Nitroaniline	14.340	138	12021	2.823	ng	81
55) Dibenzofuran	14.816	168	106839	3.969	ng	99
56) 4-Nitrophenol	14.692	139	5701m	1.953	ng	
57) 2,4-Dinitrotoluene	14.798	165	17750	2.724	ng	# 93
58) Fluorene	15.468	166	84143	4.023	ng	88
59) 2,3,4,6-Tetrachlorophenol	15.057	232	16954m	3.037	ng	
60) Diethylphthalate	15.239	149	75888	3.695	ng	96
61) 4-Chlorophenyl-phenyle...	15.462	204	42723	3.768	ng	95
62) 4-Nitroaniline	15.497	138	10625	2.401	ng	86
63) Azobenzene	15.756	77	92198	3.549	ng	96
65) 4,6-Dinitro-2-methylph...	15.580	198	4998m	1.464	ng	
66) n-Nitrosodiphenylamine	15.679	169	67301	3.946	ng	93
67) 4-Bromophenyl-phenylether	16.361	248	27230	3.761	ng	# 82
68) Hexachlorobenzene	16.484	284	30708	3.715	ng	96
69) Atrazine	16.631	200	24765	4.530	ng	89
70) Pentachlorophenol	16.849	266	5286m	1.542	ng	
71) Phenanthrene	17.213	178	141708	4.160	ng	98
72) Anthracene	17.307	178	132101	3.984	ng	98
73) Carbazole	17.583	167	115962	3.787	ng	97
74) Di-n-butylphthalate	18.141	149	121396	3.558	ng	98
75) Fluoranthene	19.240	202	167630	3.900	ng	100
77) Benzidine	19.428	184	29206m	3.136	ng	
78) Pyrene	19.604	202	181583	3.978	ng	97
80) Butylbenzylphthalate	20.497	149	41858	2.972	ng	99
81) Benzo(a)anthracene	21.408	228	174575	3.921	ng	99
82) 3,3'-Dichlorobenzidine	21.332	252	42858	3.099	ng	# 96
83) Chrysene	21.467	228	178831	4.137	ng	94
84) Bis(2-ethylhexyl)phtha...	21.320	149	68170	3.165	ng	# 97
85) Di-n-octyl phthalate	22.448	149	114049	3.040	ng	100
87) Indeno(1,2,3-cd)pyrene	27.812	276	181541m	3.630	ng	
88) Benzo(b)fluoranthene	23.476	252	162081	3.601	ng	99
89) Benzo(k)fluoranthene	23.541	252	169211	3.746	ng	96
90) Benzo(a)pyrene	24.281	252	158405	3.962	ng	94
91) Dibenzo(a,h)anthracene	27.859	278	143702m	3.472	ng	
92) Benzo(g,h,i)perylene	28.870	276	143876m	3.380	ng	

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

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