

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG020123\
 Data File : BG056501.D
 Acq On : 1 Feb 2023 15:34
 Operator : CG/JU
 Sample : N3980-03
 Misc : MDL-MDL-SOIL 8ppm
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MDL-SOIL-03-QT3-2022

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 02/02/2023
 Supervised By : Jagrut Upadhyay 02/02/2023

Quant Time: Feb 02 05:02:15 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG012723.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 01 01:15:52 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.276	152	34462	20.000	ng	# 0.00
21) Naphthalene-d8	11.108	136	128407	20.000	ng	0.00
39) Acenaphthene-d10	14.892	164	108535	20.000	ng	0.00
64) Phenanthrene-d10	17.630	188	281786	20.000	ng	0.00
76) Chrysene-d12	21.919	240	269920	20.000	ng	0.00
86) Perylene-d12	25.339	264	298933	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.791	112	199391	106.435	ng	0.00
7) Phenol-d6	7.418	99	286014	103.042	ng	0.00
23) Nitrobenzene-d5	9.451	82	187505	82.920	ng	0.00
42) 2,4,6-Tribromophenol	16.378	330	156733	108.623	ng	0.00
45) 2-Fluorobiphenyl	13.523	172	651827	83.264	ng	0.00
79) Terphenyl-d14	20.209	244	1233078	80.236	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.599	88	6162	7.899	ng	99
3) Pyridine	4.022	79	16770	7.212	ng	# 92
4) n-Nitrosodimethylamine	3.928	42	3647	7.375	ng	# 77
6) Aniline	7.589	93	26739	7.358	ng	99
8) 2-Chlorophenol	7.836	128	14980	7.279	ng	94
9) Benzaldehyde	7.401	77	14048	8.608	ng	95
10) Phenol	7.442	94	20324	7.204	ng	87
11) bis(2-Chloroethyl)ether	7.677	93	15047	7.760	ng	95
12) 1,3-Dichlorobenzene	8.165	146	19154	8.084	ng	93
13) 1,4-Dichlorobenzene	8.311	146	19996	8.333	ng	92
14) 1,2-Dichlorobenzene	8.635	146	18033	7.746	ng	93
15) Benzyl Alcohol	8.511	79	14180	7.446	ng	89
16) 2,2'-oxybis(1-Chloropr...	8.793	45	3227	7.854	ng	88
17) 2-Methylphenol	8.717	107	14660	6.831	ng	# 90
18) Hexachloroethane	9.369	117	5936	8.179	ng	97
19) n-Nitroso-di-n-propyla...	9.075	70	11958	7.476	ng	# 94
20) 3+4-Methylphenols	9.040	107	20140	6.696	ng	86
22) Acetophenone	9.099	105	27994	8.205	ng	# 98
24) Nitrobenzene	9.492	77	18133	8.313	ng	99
25) Isophorone	10.009	82	37849	8.113	ng	98
26) 2-Nitrophenol	10.209	139	10421	7.874	ng	97
27) 2,4-Dimethylphenol	10.256	122	16008	7.228	ng	97
28) bis(2-Chloroethoxy)met...	10.485	93	20897	8.109	ng	92
29) 2,4-Dichlorophenol	10.750	162	19712	7.907	ng	95
30) 1,2,4-Trichlorobenzene	10.967	180	23222	8.382	ng	97
31) Naphthalene	11.155	128	54216	8.000	ng	97
32) Benzoic acid	10.374	122	11353m	9.162	ng	
33) 4-Chloroaniline	11.261	127	24905	7.872	ng	96
34) Hexachlorobutadiene	11.431	225	17372	8.933	ng	97
35) Caprolactam	12.007	113	6580	7.826	ng	94
36) 4-Chloro-3-methylphenol	12.366	107	18147	7.537	ng	95
37) 2-Methylnaphthalene	12.742	142	44297	7.928	ng	97
38) 1-Methylnaphthalene	12.959	142	42405	8.126	ng	93
40) 1,2,4,5-Tetrachloroben...	13.106	216	33209	8.375	ng	99
41) Hexachlorocyclopentadiene	13.076	237	9308	10.447	ng	95
43) 2,4,6-Trichlorophenol	13.341	196	19215	7.520	ng	94

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44) 2,4,5-Trichlorophenol	13.417	196	21546	7.202	ng	94
46) 1,1'-Biphenyl	13.729	154	63810	8.106	ng	98
47) 2-Chloronaphthalene	13.781	162	50321	8.178	ng	98
48) 2-Nitroaniline	13.975	65	8774	6.898	ng	87
49) Acenaphthylene	14.622	152	79607	7.952	ng	97
50) Dimethylphthalate	14.328	163	68035	7.748	ng	99
51) 2,6-Dinitrotoluene	14.457	165	14492	7.568	ng	97
52) Acenaphthene	14.957	154	47644	8.025	ng	99
53) 3-Nitroaniline	14.792	138	13298	7.163	ng	95
54) 2,4-Dinitrophenol	15.009	184	4622	3.850	ng	# 91
55) Dibenzofuran	15.291	168	84201	7.909	ng	99
56) 4-Nitrophenol	15.103	139	8841	6.970	ng	90
57) 2,4-Dinitrotoluene	15.244	165	20491	7.597	ng	95
58) Fluorene	15.938	166	69091	8.155	ng	98
59) 2,3,4,6-Tetrachlorophenol	15.521	232	19905	7.483	ng	# 93
60) Diethylphthalate	15.679	149	64610	7.836	ng	97
61) 4-Chlorophenyl-phenyle...	15.914	204	41215	7.973	ng	97
62) 4-Nitroaniline	15.950	138	13787	7.422	ng	94
63) Azobenzene	16.208	77	44853	7.906	ng	94
65) 4,6-Dinitro-2-methylph...	16.014	198	12129	6.122	ng	94
66) n-Nitrosodiphenylamine	16.132	169	61931	7.763	ng	96
67) 4-Bromophenyl-phenylether	16.813	248	27907	7.736	ng	98
68) Hexachlorobenzene	16.942	284	28721	8.129	ng	96
69) Atrazine	17.060	200	26821	8.714	ng	97
70) Pentachlorophenol	17.289	266	9243m	4.324	ng	
71) Phenanthrene	17.677	178	115562	7.836	ng	97
72) Anthracene	17.765	178	120614	7.967	ng	99
73) Carbazole	18.029	167	101053	7.837	ng	100
74) Di-n-butylphthalate	18.558	149	103091	7.615	ng	99
75) Fluoranthene	19.669	202	149595	8.037	ng	98
77) Benzidine	19.833	184	84223	11.531	ng	99
78) Pyrene	20.027	202	151080	7.870	ng	99
80) Butylbenzylphthalate	20.885	149	43354	7.395	ng	95
81) Benzo(a)anthracene	21.896	228	148017	7.844	ng	97
82) 3,3'-Dichlorobenzidine	21.802	252	59791	8.799	ng	# 94
83) Chrysene	21.972	228	138391	7.806	ng	97
84) Bis(2-ethylhexyl)phtha...	21.760	149	61619	7.331	ng	97
85) Di-n-octyl phthalate	23.029	149	104574	7.470	ng	100
87) Indeno(1,2,3-cd)pyrene	29.269	276	164978	7.539	ng	# 93
88) Benzo(b)fluoranthene	24.246	252	153448	8.270	ng	97
89) Benzo(k)fluoranthene	24.316	252	150637	8.041	ng	100
90) Benzo(a)pyrene	25.174	252	133137	7.284	ng	94
91) Dibenzo(a,h)anthracene	29.334	278	145606	7.927	ng	97
92) Benzo(g,h,i)perylene	30.503	276	139289	7.859	ng	99

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

