

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG020223\
 Data File : BG056511.D
 Acq On : 2 Feb 2023 12:38
 Operator : CG/JU
 Sample : N4955-03
 Misc : MDL-MDL-SOIL 8PPM
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MDL-SOIL-03-QT4-2022

Quant Time: Feb 03 05:20:24 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

Manual Integrations APPROVED

Reviewed By : Christian Giraldo 02/03/2023
 Supervised By : Jagrut Upadhyay 02/03/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.275	152	36574	20.000	ng	# 0.00
21) Naphthalene-d8	11.107	136	138607	20.000	ng	# 0.00
39) Acenaphthene-d10	14.897	164	113497	20.000	ng	0.00
64) Phenanthrene-d10	17.635	188	289934	20.000	ng	0.00
76) Chrysene-d12	21.924	240	284689	20.000	ng	0.00
86) Perylene-d12	25.338	264	314353	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.790	112	215134	108.207	ng	0.00
7) Phenol-d6	7.418	99	309824	105.174	ng	0.00
23) Nitrobenzene-d5	9.451	82	204211	83.662	ng	0.00
42) 2,4,6-Tribromophenol	16.378	330	161898	107.297	ng	0.00
45) 2-Fluorobiphenyl	13.522	172	687968	84.039	ng	0.00
79) Terphenyl-d14	20.209	244	1295571	79.929	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.599	88	7152	8.639	ng	# 94
3) Pyridine	4.027	79	17721	7.181	ng	# 93
4) n-Nitrosodimethylamine	3.933	42	4109	7.830	ng	# 100
6) Aniline	7.588	93	29284	7.593	ng	97
8) 2-Chlorophenol	7.835	128	16217	7.425	ng	99
9) Benzaldehyde	7.400	77	15689	9.111	ng	# 81
10) Phenol	7.441	94	22185	7.410	ng	97
11) bis(2-Chloroethyl)ether	7.676	93	16302	7.921	ng	96
12) 1,3-Dichlorobenzene	8.164	146	21375	8.500	ng	95
13) 1,4-Dichlorobenzene	8.311	146	21553	8.463	ng	99
14) 1,2-Dichlorobenzene	8.634	146	20454	8.278	ng	96
15) Benzyl Alcohol	8.510	79	13875	6.865	ng	97
16) 2,2'-oxybis(1-Chloropr...	8.798	45	3349	7.680	ng	94
17) 2-Methylphenol	8.710	107	15763	6.920	ng	97
18) Hexachloroethane	9.368	117	6438	8.358	ng	93
19) n-Nitroso-di-n-propyla...	9.075	70	13020	7.670	ng	# 92
20) 3+4-Methylphenols	9.039	107	21678	6.791	ng	98
22) Acetophenone	9.104	105	30333	8.236	ng	# 99
24) Nitrobenzene	9.492	77	20021	8.504	ng	91
25) Isophorone	10.009	82	38963	7.737	ng	99
26) 2-Nitrophenol	10.208	139	11125	7.788	ng	94
27) 2,4-Dimethylphenol	10.255	122	16196	6.775	ng	95
28) bis(2-Chloroethoxy)met...	10.491	93	22630	8.135	ng	96
29) 2,4-Dichlorophenol	10.755	162	20578	7.647	ng	99
30) 1,2,4-Trichlorobenzene	10.966	180	25198	8.426	ng	99
31) Naphthalene	11.160	128	58823	8.041	ng	97
32) Benzoic acid	10.373	122	10415m	7.787	ng	
33) 4-Chloroaniline	11.266	127	25183	7.374	ng	98
34) Hexachlorobutadiene	11.431	225	18435	8.782	ng	98
35) Caprolactam	12.006	113	6901	7.604	ng	96
36) 4-Chloro-3-methylphenol	12.365	107	19834	7.632	ng	89
37) 2-Methylnaphthalene	12.741	142	46076	7.640	ng	98
38) 1-Methylnaphthalene	12.958	142	44472	7.895	ng	99
40) 1,2,4,5-Tetrachloroben...	13.105	216	34983	8.437	ng	99
41) Hexachlorocyclopentadiene	13.076	237	9915	10.523	ng	93
43) 2,4,6-Trichlorophenol	13.340	196	19330	7.234	ng	87

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.416	196	22114	7.069	ng	98
46) 1,1'-Biphenyl	13.734	154	69750	8.473	ng	98
47) 2-Chloronaphthalene	13.781	162	54109	8.409	ng	97
48) 2-Nitroaniline	13.981	65	9444	7.100	ng	94
49) Acenaphthylene	14.621	152	83695	7.995	ng	98
50) Dimethylphthalate	14.327	163	71126	7.746	ng	# 98
51) 2,6-Dinitrotoluene	14.462	165	14880	7.431	ng	99
52) Acenaphthene	14.956	154	49253	7.934	ng	98
53) 3-Nitroaniline	14.797	138	14447	7.442	ng	93
54) 2,4-Dinitrophenol	15.009	184	7502	5.976	ng	95
55) Dibenzofuran	15.285	168	90264	8.107	ng	95
56) 4-Nitrophenol	15.103	139	8548	6.444	ng	92
57) 2,4-Dinitrotoluene	15.244	165	20669	7.328	ng	97
58) Fluorene	15.937	166	70377	7.944	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.514	232	20423m	7.342	ng	
60) Diethylphthalate	15.679	149	66574	7.721	ng	98
61) 4-Chlorophenyl-phenyle...	15.914	204	42769	7.912	ng	98
62) 4-Nitroaniline	15.949	138	14665	7.550	ng	91
63) Azobenzene	16.207	77	48314	8.144	ng	94
65) 4,6-Dinitro-2-methylph...	16.013	198	12872	6.315	ng	94
66) n-Nitrosodiphenylamine	16.131	169	65054	7.925	ng	96
67) 4-Bromophenyl-phenylether	16.813	248	29142	7.851	ng	89
68) Hexachlorobenzene	16.936	284	29477	8.109	ng	97
69) Atrazine	17.059	200	28541	9.012	ng	95
70) Pentachlorophenol	17.288	266	12875m	5.853	ng	
71) Phenanthrene	17.676	178	120354	7.931	ng	99
72) Anthracene	17.764	178	124245	7.976	ng	99
73) Carbazole	18.029	167	105534	7.955	ng	100
74) Di-n-butylphthalate	18.558	149	106974	7.679	ng	99
75) Fluoranthene	19.668	202	156919	8.193	ng	99
77) Benzidine	19.838	184	79447	10.312	ng	98
78) Pyrene	20.026	202	158408	7.824	ng	99
80) Butylbenzylphthalate	20.884	149	44696	7.228	ng	95
81) Benzo(a)anthracene	21.901	228	159048	7.991	ng	99
82) 3,3'-Dichlorobenzidine	21.801	252	62859	8.770	ng	98
83) Chrysene	21.971	228	147035	7.863	ng	99
84) Bis(2-ethylhexyl)phtha...	21.760	149	65722	7.413	ng	97
85) Di-n-octyl phthalate	23.029	149	111214	7.533	ng	100
87) Indeno(1,2,3-cd)pyrene	29.274	276	174991	7.605	ng	# 66
88) Benzo(b)fluoranthene	24.245	252	163375	8.373	ng	99
89) Benzo(k)fluoranthene	24.321	252	161806	8.214	ng	98
90) Benzo(a)pyrene	25.173	252	143230	7.452	ng	97
91) Dibenzo(a,h)anthracene	29.321	278	153449	7.944	ng	99
92) Benzo(g,h,i)perylene	30.502	276	150947	8.099	ng	97

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

