

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG031622\
 Data File : BG052672.D
 Acq On : 16 Mar 2022 9:44
 Operator : CG/JU
 Sample : N1645-01
 Misc : LOD-MDL-SOIL 4ppm
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2022

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 03/17/2022
 Supervised By : Jagrut Upadhyay 03/17/2022

Quant Time: Mar 16 11:53:23 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG031522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 16 11:53:01 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.157	152	35166	20.000	ng	0.00
21) Naphthalene-d8	10.971	136	144907	20.000	ng	# 0.00
39) Acenaphthene-d10	14.772	164	100565	20.000	ng	0.00
64) Phenanthrene-d10	17.515	188	243769	20.000	ng	0.00
76) Chrysene-d12	21.804	240	288824	20.000	ng	0.00
86) Perylene-d12	25.129	264	285228	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.708	112	282763	140.032	ng	0.00
7) Phenol-d6	7.300	99	419111	137.672	ng	0.00
23) Nitrobenzene-d5	9.315	82	223121	77.281	ng	0.00
42) 2,4,6-Tribromophenol	16.252	330	177706	131.505	ng	0.00
45) 2-Fluorobiphenyl	13.403	172	536302	78.652	ng	0.00
79) Terphenyl-d14	20.124	244	1130310	69.615	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.599	88	4434	4.390	ng	96
3) Pyridine	4.010	79	9066m	3.501	ng	
4) n-Nitrosodimethylamine	3.910	42	3916	3.409	ng	# 72
6) Aniline	7.476	93	13961	3.911	ng	93
8) 2-Chlorophenol	7.717	128	7646	3.604	ng	87
9) Benzaldehyde	7.288	77	9547	5.106	ng	94
10) Phenol	7.323	94	10723	3.568	ng	# 81
11) bis(2-Chloroethyl)ether	7.570	93	7156	3.153	ng	86
12) 1,3-Dichlorobenzene	8.046	146	8501m	3.328	ng	
13) 1,4-Dichlorobenzene	8.193	146	9675	3.769	ng	92
14) 1,2-Dichlorobenzene	8.516	146	9066m	3.735	ng	
15) Benzyl Alcohol	8.387	79	8681	3.387	ng	91
16) 2,2'-oxybis(1-Chloropr...	8.680	45	14168	3.585	ng	95
17) 2-Methylphenol	8.580	107	7033	3.511	ng	# 88
18) Hexachloroethane	9.250	117	3792	4.027	ng	# 77
19) n-Nitroso-di-n-propyla...	8.956	70	7740	3.590	ng	97
20) 3+4-Methylphenols	8.909	107	9122	3.254	ng	86
22) Acetophenone	8.974	105	14282	3.809	ng	# 91
24) Nitrobenzene	9.350	77	11735	4.062	ng	# 89
25) Isophorone	9.885	82	19424	3.475	ng	94
26) 2-Nitrophenol	10.067	139	3269	3.259	ng	# 86
27) 2,4-Dimethylphenol	10.125	122	8498	4.141	ng	91
28) bis(2-Chloroethoxy)met...	10.360	93	10593	3.205	ng	93
29) 2,4-Dichlorophenol	10.607	162	7112	3.080	ng	91
30) 1,2,4-Trichlorobenzene	10.830	180	8987	3.299	ng	90
31) Naphthalene	11.018	128	27494	3.669	ng	97
32) Benzoic acid	10.161	122	2762	2.002	ng	# 82
33) 4-Chloroaniline	11.112	127	10583	3.332	ng	# 92
34) Hexachlorobutadiene	11.306	225	6558	3.357	ng	# 86
35) Caprolactam	11.870	113	2167	3.436	ng	# 48
36) 4-Chloro-3-methylphenol	12.217	107	8372	3.122	ng	92
37) 2-Methylnaphthalene	12.616	142	19357	3.527	ng	89
38) 1-Methylnaphthalene	12.834	142	18261	3.410	ng	91
40) 1,2,4,5-Tetrachloroben...	12.980	216	11476	3.653	ng	# 97
41) Hexachlorocyclopentadiene	12.969	237	7308	3.924	ng	99
43) 2,4,6-Trichlorophenol	13.204	196	6170	3.067	ng	92

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG031622\
 Data File : BG052672.D
 Acq On : 16 Mar 2022 9:44
 Operator : CG/JU
 Sample : N1645-01
 Misc : LOD-MDL-SOIL 4ppm
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2022

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 03/17/2022
 Supervised By : Jagrut Upadhyay 03/17/2022

Quant Time: Mar 16 11:53:23 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG031522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 16 11:53:01 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.274	196	6332	3.101	ng	94
46) 1,1'-Biphenyl	13.609	154	26906	3.826	ng	96
47) 2-Chloronaphthalene	13.650	162	20052	3.620	ng	94
48) 2-Nitroaniline	13.838	65	4746	3.133	ng #	80
49) Acenaphthylene	14.496	152	34084	3.860	ng	97
50) Dimethylphthalate	14.214	163	25210	3.373	ng	99
51) 2,6-Dinitrotoluene	14.331	165	3749	2.971	ng #	87
52) Acenaphthene	14.837	154	19553	3.457	ng	92
53) 3-Nitroaniline	14.660	138	4374	2.962	ng #	77
54) 2,4-Dinitrophenol	14.860	184	1773	2.578	ng #	53
55) Dibenzofuran	15.172	168	32332	3.500	ng	96
56) 4-Nitrophenol	14.942	139	3703	3.074	ng	89
57) 2,4-Dinitrotoluene	15.113	165	5243	2.994	ng #	93
58) Fluorene	15.818	166	26843	3.565	ng	97
59) 2,3,4,6-Tetrachlorophenol	15.389	232	6268	2.871	ng #	94
60) Diethylphthalate	15.577	149	26158	3.316	ng	99
61) 4-Chlorophenyl-phenyle...	15.812	204	14217	3.424	ng	88
62) 4-Nitroaniline	15.812	138	5158	3.306	ng	88
63) Azobenzene	16.100	77	29635	3.514	ng	93
65) 4,6-Dinitro-2-methylph...	15.876	198	3017	2.776	ng	84
66) n-Nitrosodiphenylamine	16.017	169	23000	3.351	ng #	92
67) 4-Bromophenyl-phenylether	16.699	248	8775	2.986	ng #	88
68) Hexachlorobenzene	16.822	284	10687	3.383	ng #	89
69) Atrazine	16.957	200	8597	3.397	ng	88
70) Pentachlorophenol	17.157	266	5249	2.678	ng	96
71) Phenanthrene	17.557	178	46929	3.599	ng	93
72) Anthracene	17.645	178	45996	3.568	ng	96
73) Carbazole	17.909	167	43531	3.409	ng #	94
74) Di-n-butylphthalate	18.473	149	45771	3.281	ng #	96
75) Fluoranthene	19.560	202	61437	3.711	ng	98
77) Benzidine	19.730	184	24323	3.265	ng	94
78) Pyrene	19.924	202	63044	3.147	ng	98
80) Butylbenzylphthalate	20.811	149	19710	2.773	ng	96
81) Benzo(a)anthracene	21.786	228	69100	3.573	ng	94
82) 3,3'-Dichlorobenzidine	21.692	252	21383	3.131	ng #	88
83) Chrysene	21.851	228	62264	3.425	ng	99
84) Bis(2-ethylhexyl)phtha...	21.698	149	28294	2.927	ng	100
85) Di-n-octyl phthalate	22.949	149	45604	2.834	ng #	90
87) Indeno(1,2,3-cd)pyrene	28.918	276	66328	3.397	ng	92
88) Benzo(b)fluoranthene	24.065	252	65643	3.707	ng	97
89) Benzo(k)fluoranthene	24.130	252	62125	3.565	ng	93
90) Benzo(a)pyrene	24.964	252	62551	4.173	ng #	91
91) Dibenzo(a,h)anthracene	28.976	278	59611	3.706	ng	96
92) Benzo(g,h,i)perylene	30.093	276	56655	3.559	ng	96

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

