

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG051723\
 Data File : BG057450.D
 Acq On : 17 May 2023 18:48
 Operator : CG/JU
 Sample : 02213-01
 Misc : LOD-MDL-SOIL-4ppm
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2023

Quant Time: May 18 01:59:19 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042723.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 12 22:04:03 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Christian Giraldo 05/18/2023
 Supervised By : Jagrut Upadhyay 05/18/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.360	152	16233	20.000	ng	0.00
21) Naphthalene-d8	11.198	136	64777	20.000	ng	0.00
39) Acenaphthene-d10	14.975	164	52896	20.000	ng	0.00
64) Phenanthrene-d10	17.712	188	134056	20.000	ng	0.00
76) Chrysene-d12	22.024	240	130644	20.000	ng	0.00
86) Perylene-d12	25.531	264	138734	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.875	112	93770	98.813	ng	0.00
7) Phenol-d6	7.497	99	138989	96.451	ng	0.00
23) Nitrobenzene-d5	9.541	82	105642	68.448	ng	0.00
42) 2,4,6-Tribromophenol	16.461	330	83048	110.651	ng	0.00
45) 2-Fluorobiphenyl	13.600	172	286369	72.913	ng	0.00
79) Terphenyl-d14	20.285	244	552425	69.005	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.678	88	1489	3.795	ng	# 83
3) Pyridine	4.119	79	3069	2.434	ng	# 89
4) n-Nitrosodimethylamine	4.013	42	1319	2.226	ng	# 94
6) Aniline	7.673	93	6155	3.367	ng	# 96
8) 2-Chlorophenol	7.920	128	3597	3.587	ng	90
10) Phenol	7.526	94	4802	3.418	ng	88
11) bis(2-Chloroethyl)ether	7.761	93	3354	3.166	ng	96
12) 1,3-Dichlorobenzene	8.249	146	4372	3.950	ng	91
13) 1,4-Dichlorobenzene	8.395	146	4247m	3.820	ng	
14) 1,2-Dichlorobenzene	8.719	146	4123	3.842	ng	95
15) Benzyl Alcohol	8.595	79	3488	2.905	ng	95
16) 2,2'-oxybis(1-Chloropr...	8.871	45	4216	3.158	ng	95
17) 2-Methylphenol	8.801	107	3169	3.130	ng	95
18) Hexachloroethane	9.453	117	1492	3.719	ng	# 89
19) n-Nitroso-di-n-propyla...	9.159	70	3573	3.252	ng	# 94
20) 3+4-Methylphenols	9.130	107	4170	3.007	ng	96
22) Acetophenone	9.189	105	6460	3.484	ng	# 93
24) Nitrobenzene	9.582	77	5487	3.522	ng	# 88
25) Isophorone	10.099	82	9399	3.141	ng	99
26) 2-Nitrophenol	10.305	139	2147	3.601	ng	93
27) 2,4-Dimethylphenol	10.346	122	3616	3.463	ng	93
28) bis(2-Chloroethoxy)met...	10.575	93	5036	3.359	ng	98
29) 2,4-Dichlorophenol	10.851	162	4041	3.649	ng	92
30) 1,2,4-Trichlorobenzene	11.057	180	4806	3.763	ng	98
31) Naphthalene	11.250	128	12335	3.562	ng	96
33) 4-Chloroaniline	11.356	127	5134	3.301	ng	97
34) Hexachlorobutadiene	11.521	225	3507	3.700	ng	97
35) Caprolactam	12.102	113	1042	2.755	ng	# 82
36) 4-Chloro-3-methylphenol	12.455	107	4279	3.400	ng	96
37) 2-Methylnaphthalene	12.825	142	9907	3.639	ng	94
38) 1-Methylnaphthalene	13.048	142	8760	3.413	ng	97
40) 1,2,4,5-Tetrachloroben...	13.189	216	7143	3.804	ng	# 98
41) Hexachlorocyclopentadiene	13.160	237	272	6.572	ng	# 27
43) 2,4,6-Trichlorophenol	13.430	196	3749	3.277	ng	94
44) 2,4,5-Trichlorophenol	13.512	196	4398	3.268	ng	96
46) 1,1'-Biphenyl	13.812	154	15054	3.835	ng	95

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG051723\
 Data File : BG057450.D
 Acq On : 17 May 2023 18:48
 Operator : CG/JU
 Sample : 02213-01
 Misc : LOD-MDL-SOIL-4ppm
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2023

Quant Time: May 18 01:59:19 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042723.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 12 22:04:03 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Christian Giraldo 05/18/2023
 Supervised By :Jagrut Upadhyay 05/18/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
47) 2-Chloronaphthalene	13.865	162	11283	3.866	ng	98
48) 2-Nitroaniline	14.064	65	2957	2.980	ng	95
49) Acenaphthylene	14.705	152	16869	3.557	ng	99
50) Dimethylphthalate	14.405	163	14945	3.438	ng	# 98
51) 2,6-Dinitrotoluene	14.540	165	2979	3.357	ng	86
52) Acenaphthene	15.039	154	10776	3.637	ng	95
53) 3-Nitroaniline	14.875	138	2776	3.122	ng	83
55) Dibenzofuran	15.368	168	18483	3.712	ng	98
57) 2,4-Dinitrotoluene	15.327	165	4255	3.355	ng	# 89
58) Fluorene	16.015	166	14909	3.636	ng	97
59) 2,3,4,6-Tetrachlorophenol	15.598	232	4067	3.333	ng	# 93
60) Diethylphthalate	15.750	149	14893	3.374	ng	99
61) 4-Chlorophenyl-phenyle...	15.997	204	8931	3.615	ng	# 94
62) 4-Nitroaniline	16.038	138	2713	3.025	ng	# 73
63) Azobenzene	16.291	77	13288	3.120	ng	97
66) n-Nitrosodiphenylamine	16.208	169	12567	3.452	ng	95
67) 4-Bromophenyl-phenylether	16.890	248	5766	3.523	ng	97
68) Hexachlorobenzene	17.019	284	5720	3.597	ng	96
69) Atrazine	17.137	200	5275	3.798	ng	96
71) Phenanthrene	17.759	178	25444	3.704	ng	94
72) Anthracene	17.847	178	25730	3.650	ng	96
73) Carbazole	18.118	167	21570	3.635	ng	95
74) Di-n-butylphthalate	18.629	149	23296	3.412	ng	97
75) Fluoranthene	19.745	202	30672	3.590	ng	99
77) Benzidine	19.915	184	15354	5.257	ng	97
78) Pyrene	20.109	202	31789	3.349	ng	98
80) Butylbenzylphthalate	20.955	149	10068	3.342	ng	93
81) Benzo(a)anthracene	22.001	228	32464	3.488	ng	96
82) 3,3'-Dichlorobenzidine	21.901	252	12217	4.098	ng	96
83) Chrysene	22.077	228	30797	3.517	ng	96
84) Bis(2-ethylhexyl)phtha...	21.848	149	14957	3.356	ng	99
85) Di-n-octyl phthalate	23.140	149	25008	3.366	ng	# 99
87) Indeno(1,2,3-cd)pyrene	29.579	276	35063	3.468	ng	# 95
88) Benzo(b)fluoranthene	24.403	252	31903m	3.518	ng	
89) Benzo(k)fluoranthene	24.480	252	32620	3.540	ng	97
90) Benzo(a)pyrene	25.361	252	27641	3.120	ng	# 98
91) Dibenzo(a,h)anthracene	29.626	278	28662	3.404	ng	# 98
92) Benzo(g,h,i)perylene	30.836	276	28398	3.454	ng	97

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG051723\
Data File : BG057450.D
Acq On : 17 May 2023 18:48
Operator : CG/JU
Sample : 02213-01
Misc : LOD-MDL-SOIL-4ppm
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2023

Quant Time: May 18 01:59:19 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri May 12 22:04:03 2023
Response via : Initial Calibration

Manual Integrations
APPROVED

Reviewed By : Christian Giraldo 05/18/2023
Supervised By : Jagrut Upadhyay 05/18/2023

