Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG020223\
Data File : BG056510.D
Acq On : 2 Feb 2023 11:56
Operator : CG/JU
Sample : N4955-03
Misc : MDL-MDL-SOIL 4ppm
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Feb 03 05:19:46 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

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

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	8.273	152	28240	20.000	ng		0.00
21) Naphthalene-d8	11.105	136	107738	20.000	ng	#	0.00
39) Acenaphthene-d10	14.894	164	89593	20.000	ng		0.00
64) Phenanthrene-d10	17.632	188	230363	20.000	ng		0.00
76) Chrysene-d12	21.921	240	223078	20.000	ng		0.00
86) Perylene-d12	25.341	264	243317	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.793	112	203369	132.476	ng		0.00
7) Phenol-d6	7.415	99	287028	126.190	ng		0.00
23) Nitrobenzene-d5	9.454	82	186270	98.177	ng		0.00
42) 2,4,6-Tribromophenol	16.375	330	153522	128.893	ng		0.00
45) 2-Fluorobiphenyl	13.519	172	644003	99.658	ng		0.00
79) Terphenyl-d14	20.212	244	1225018	96.450	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.596	88	3425	5.358	ng		96
3) Pyridine	4.036	79	7863	4.127	ng		97
4) n-Nitrosodimethylamine	3.937	42	1579	3.897	ng	#	78
6) Aniline	7.591	93	13742	4.614	ng		98
8) 2-Chlorophenol	7.838	128	7217	4.279	ng		90
9) Benzaldehyde	7.409	77	7684	5.485	ng	#	75
10) Phenol	7.450	94	10686	4.622	ng		97
11) bis(2-Chloroethyl)ether	7.679	93	8096	5.095	ng		86
12) 1,3-Dichlorobenzene	8.167	146	10066m	5.184	ng		
13) 1,4-Dichlorobenzene	8.314	146	10027	5.099	ng		94
14) 1,2-Dichlorobenzene	8.637	146	9857	5.167	ng		97
15) Benzyl Alcohol	8.514	79	6709	4.299	ng		96
16) 2,2'-oxybis(1-Chloropr...	8.790	45	1398	4.152	ng		92
17) 2-Methylphenol	8.719	107	7085	4.028	ng	#	96
18) Hexachloroethane	9.371	117	3004	5.051	ng	#	82
19) n-Nitroso-di-n-propyla...	9.072	70	6076	4.635	ng		97
20) 3+4-Methylphenols	9.042	107	9408	3.817	ng		85
22) Acetophenone	9.107	105	14289	4.992	ng	#	96
24) Nitrobenzene	9.495	77	9469	5.174	ng		98
25) Isophorone	10.012	82	18082	4.620	ng		97
26) 2-Nitrophenol	10.212	139	5216	4.698	ng	#	90
27) 2,4-Dimethylphenol	10.259	122	8077	4.346	ng		92
28) bis(2-Chloroethoxy)met...	10.488	93	10587	4.896	ng	#	90
29) 2,4-Dichlorophenol	10.758	162	9143	4.371	ng		90
30) 1,2,4-Trichlorobenzene	10.964	180	11365	4.889	ng	#	96
31) Naphthalene	11.157	128	27559	4.846	ng		99
33) 4-Chloroaniline	11.263	127	11747	4.426	ng	#	93
34) Hexachlorobutadiene	11.434	225	8795	5.390	ng		94
35) Caprolactam	12.004	113	2981	4.226	ng		100
36) 4-Chloro-3-methylphenol	12.362	107	8696	4.305	ng		97
37) 2-Methylnaphthalene	12.744	142	21817	4.654	ng		92
38) 1-Methylnaphthalene	12.961	142	21250	4.854	ng		95
40) 1,2,4,5-Tetrachloroben...	13.102	216	16831	5.142	ng		97
41) Hexachlorocyclopentadiene	13.079	237	3003	7.964	ng		93
43) 2,4,6-Trichlorophenol	13.343	196	8981	4.258	ng		99
44) 2,4,5-Trichlorophenol	13.420	196	10250	4.150	ng		98

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) 1,1'-Biphenyl	13.731	154	32766	5.042	ng		96
47) 2-Chloronaphthalene	13.784	162	25067	4.935	ng		98
48) 2-Nitroaniline	13.978	65	4458	4.246	ng	#	83
49) Acenaphthylene	14.624	152	38809	4.696	ng		97
50) Dimethylphthalate	14.330	163	34007	4.692	ng		97
51) 2,6-Dinitrotoluene	14.459	165	7363	4.658	ng		95
52) Acenaphthene	14.959	154	23161	4.726	ng		94
53) 3-Nitroaniline	14.794	138	6330	4.131	ng		99
55) Dibenzofuran	15.288	168	42756	4.865	ng		97
56) 4-Nitrophenol	15.112	139	3167	3.025	ng		93
57) 2,4-Dinitrotoluene	15.247	165	10080	4.527	ng		98
58) Fluorene	15.934	166	34163	4.885	ng		98
59) 2,3,4,6-Tetrachlorophenol	15.517	232	8605	3.919	ng	#	94
60) Diethylphthalate	15.682	149	31037	4.560	ng		98
61) 4-Chlorophenyl-phenyle...	15.917	204	20143	4.720	ng		98
62) 4-Nitroaniline	15.952	138	6301	4.109	ng		93
63) Azobenzene	16.210	77	22760	4.860	ng		98
65) 4,6-Dinitro-2-methylph...	16.016	198	4609	2.846	ng		94
66) n-Nitrosodiphenylamine	16.128	169	30578	4.688	ng		98
67) 4-Bromophenyl-phenylether	16.810	248	14293	4.847	ng		98
68) Hexachlorobenzene	16.939	284	14093	4.879	ng		97
69) Atrazine	17.062	200	12758	5.070	ng		98
71) Phenanthrene	17.673	178	58442	4.847	ng		98
72) Anthracene	17.767	178	60292	4.871	ng		98
73) Carbazole	18.032	167	50349	4.776	ng		95
74) Di-n-butylphthalate	18.561	149	50836	4.593	ng		98
75) Fluoranthene	19.665	202	74672	4.907	ng		100
77) Benzidine	19.836	184	35323	5.851	ng	#	95
78) Pyrene	20.029	202	76097	4.796	ng		98
80) Butylbenzylphthalate	20.881	149	20682	4.268	ng		94
81) Benzo(a)anthracene	21.898	228	74877	4.801	ng		98
82) 3,3'-Dichlorobenzidine	21.804	252	28865	5.140	ng		97
83) Chrysene	21.968	228	71328	4.868	ng		99
84) Bis(2-ethylhexyl)phtha...	21.757	149	30531	4.395	ng	#	96
85) Di-n-octyl phthalate	23.032	149	52263	4.517	ng		99
87) Indeno(1,2,3-cd)pyrene	29.272	276	80997	4.548	ng	#	94
88) Benzo(b)fluoranthene	24.242	252	75896	5.025	ng		100
89) Benzo(k)fluoranthene	24.313	252	72248	4.738	ng	#	98
90) Benzo(a)pyrene	25.182	252	66802	4.490	ng		94
91) Dibenzo(a,h)anthracene	29.342	278	73251	4.900	ng		97
92) Benzo(g,h,i)perylene	30.505	276	70807	4.908	ng		97

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

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