Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG033123\
Data File : BG056944.D
Acq On : 31 Mar 2023 14:50
Operator : CG/JU
Sample : 01627-01
Misc : LOD-MDL-SOIL 8ppm
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Apr 01 02:35:04 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG033023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 31 03:23:11 2023
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2023

Manual Integrations APPROVED

Reviewed By :Christian Giraldo 04/03/2023
Supervised By :Jagrut Upadhyay 04/03/2023

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	8.414	152	16163	20.000	ng		0.00
21) Naphthalene-d8	11.257	136	62889	20.000	ng	#	0.00
39) Acenaphthene-d10	15.029	164	52561	20.000	ng		0.00
64) Phenanthrene-d10	17.766	188	130969	20.000	ng		0.00
76) Chrysene-d12	22.090	240	127291	20.000	ng	#	0.00
86) Perylene-d12	25.632	264	137210	20.000	ng		-0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.918	112	99519	98.543	ng		0.00
7) Phenol-d6	7.539	99	147808	97.858	ng		0.00
23) Nitrobenzene-d5	9.589	82	120028	78.094	ng		0.00
42) 2,4,6-Tribromophenol	16.509	330	87347	104.024	ng		0.00
45) 2-Fluorobiphenyl	13.654	172	292414	75.439	ng		0.00
79) Terphenyl-d14	20.339	244	574082	76.316	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.726	88	3492	7.888	ng		91
3) Pyridine	4.155	79	8946	6.274	ng		95
4) n-Nitrosodimethylamine	4.055	42	4620	7.047	ng	#	80
6) Aniline	7.721	93	13476	6.979	ng		99
8) 2-Chlorophenol	7.974	128	7200	7.158	ng		85
9) Benzaldehyde	7.533	77	8327	8.789	ng		92
10) Phenol	7.568	94	9653	6.450	ng		95
11) bis(2-Chloroethyl)ether	7.809	93	7686	7.209	ng		96
12) 1,3-Dichlorobenzene	8.303	146	8865	7.976	ng		98
13) 1,4-Dichlorobenzene	8.449	146	8512	7.588	ng		91
14) 1,2-Dichlorobenzene	8.773	146	7743	7.144	ng		95
15) Benzyl Alcohol	8.637	79	8309	6.620	ng		93
16) 2,2'-oxybis(1-Chloropr...	8.919	45	9375	7.297	ng		90
17) 2-Methylphenol	8.843	107	6902	6.464	ng	#	85
18) Hexachloroethane	9.519	117	3014	7.351	ng	#	82
19) n-Nitroso-di-n-propyla...	9.207	70	7826	7.244	ng	#	97
20) 3+4-Methylphenols	9.166	107	9177	6.146	ng		97
22) Acetophenone	9.237	105	13990	7.476	ng	#	95
24) Nitrobenzene	9.636	77	11837	7.533	ng	#	96
25) Isophorone	10.153	82	20662	7.060	ng	#	95
26) 2-Nitrophenol	10.347	139	4107	6.771	ng	#	75
27) 2,4-Dimethylphenol	10.388	122	7796	7.280	ng		93
28) bis(2-Chloroethoxy)met...	10.623	93	10574	7.216	ng	#	97
29) 2,4-Dichlorophenol	10.881	162	7693	6.680	ng		88
30) 1,2,4-Trichlorobenzene	11.111	180	9098	7.435	ng		94
31) Naphthalene	11.304	128	24436	7.129	ng		96
32) Benzoic acid	10.459	122	2860m	3.888	ng		
33) 4-Chloroaniline	11.404	127	10892	7.035	ng	#	93
34) Hexachlorobutadiene	11.586	225	6622	7.204	ng		90
35) Caprolactam	12.139	113	3083	7.762	ng	#	62
36) 4-Chloro-3-methylphenol	12.485	107	8616	6.690	ng		90
37) 2-Methylnaphthalene	12.879	142	19058	7.005	ng		96
38) 1-Methylnaphthalene	13.102	142	17556	6.872	ng	#	91
40) 1,2,4,5-Tetrachloroben...	13.237	216	13493	7.403	ng		96
41) Hexachlorocyclopentadiene	13.214	237	7010	6.980	ng		91
43) 2,4,6-Trichlorophenol	13.472	196	7542m	6.484	ng		

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	13.537	196	8309	6.030	ng	#	97
46) 1,1'-Biphenyl	13.866	154	26857	6.980	ng		91
47) 2-Chloronaphthalene	13.913	162	19856	6.978	ng		96
48) 2-Nitroaniline	14.101	65	6714	6.598	ng		98
49) Acenaphthylene	14.753	152	32383	6.926	ng		99
50) Dimethylphthalate	14.459	163	28439	6.867	ng		98
51) 2,6-Dinitrotoluene	14.588	165	5824	6.509	ng		94
52) Acenaphthene	15.093	154	21942	6.805	ng		92
53) 3-Nitroaniline	14.917	138	6252	7.059	ng	#	92
54) 2,4-Dinitrophenol	15.117	184	2199	4.366	ng	#	79
55) Dibenzofuran	15.422	168	33528	6.928	ng		94
56) 4-Nitrophenol	15.199	139	4102	6.263	ng		92
57) 2,4-Dinitrotoluene	15.364	165	8267	6.551	ng	#	97
58) Fluorene	16.063	166	28689	7.164	ng		90
59) 2,3,4,6-Tetrachlorophenol	15.640	232	7627	6.079	ng	#	97
60) Diethylphthalate	15.810	149	28974	6.979	ng		97
61) 4-Chlorophenyl-phenyle...	16.051	204	16435	6.990	ng		92
62) 4-Nitroaniline	16.069	138	6289	6.853	ng		83
63) Azobenzene	16.339	77	28224	6.821	ng		97
65) 4,6-Dinitro-2-methylph...	16.127	198	4379	5.521	ng		82
66) n-Nitrosodiphenylamine	16.257	169	23889	6.795	ng		98
67) 4-Bromophenyl-phenylether	16.944	248	10344	6.383	ng		90
68) Hexachlorobenzene	17.067	284	12056	7.525	ng		99
69) Atrazine	17.185	200	11047	7.570	ng		98
70) Pentachlorophenol	17.414	266	4857	4.226	ng		93
71) Phenanthrene	17.807	178	46431	6.953	ng		98
72) Anthracene	17.901	178	47540	6.945	ng		99
73) Carbazole	18.160	167	41502	6.954	ng		98
74) Di-n-butylphthalate	18.689	149	47301	6.844	ng		99
75) Fluoranthene	19.793	202	59310	7.007	ng		96
77) Benzidine	19.963	184	34605	9.946	ng		98
78) Pyrene	20.157	202	59706	6.782	ng		97
80) Butylbenzylphthalate	21.021	149	19481	6.430	ng		94
81) Benzo(a)anthracene	22.066	228	60159	6.830	ng		99
82) 3,3'-Dichlorobenzidine	21.966	252	24524	8.245	ng		99
83) Chrysene	22.137	228	55557	6.736	ng		97
84) Bis(2-ethylhexyl)phtha...	21.925	149	29065	6.625	ng		96
85) Di-n-octyl phthalate	23.247	149	47861	6.474	ng		99
87) Indeno(1,2,3-cd)pyrene	29.709	276	70247	6.927	ng	#	80
88) Benzo(b)fluoranthene	24.492	252	60758	7.081	ng		100
89) Benzo(k)fluoranthene	24.569	252	61525m	7.183	ng		
90) Benzo(a)pyrene	25.468	252	54901	6.512	ng	#	92
91) Dibenzo(a,h)anthracene	29.791	278	58091	6.969	ng		95
92) Benzo(g,h,i)perylene	30.990	276	55788	6.835	ng	#	97

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

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