Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG020123\
Data File : BG056502.D
Acq On : 1 Feb 2023 16:21
Operator : CG/JU
Sample : N3980-03
Misc : MDL-MDL-SOIL 4ppm
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Feb 02 05:02:53 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-QT3-2022

Manual Integrations APPROVED

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

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	8.276	152	27846	20.000	ng		# 0.00
21) Naphthalene-d8	11.108	136	101093	20.000	ng		0.00
39) Acenaphthene-d10	14.892	164	83127	20.000	ng		0.00
64) Phenanthrene-d10	17.630	188	215566	20.000	ng		0.00
76) Chrysene-d12	21.919	240	209188	20.000	ng		0.00
86) Perylene-d12	25.344	264	227414	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.790	112	191769	126.688	ng		0.00
7) Phenol-d6	7.418	99	270843	120.760	ng		0.00
23) Nitrobenzene-d5	9.451	82	175805	98.751	ng		0.00
42) 2,4,6-Tribromophenol	16.378	330	146953	132.974	ng		0.00
45) 2-Fluorobiphenyl	13.523	172	603625	100.675	ng		0.00
79) Terphenyl-d14	20.209	244	1148614	96.439	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.593	88	3159	5.012	ng	#	98
3) Pyridine	4.028	79	8011	4.264	ng	#	91
4) n-Nitrosodimethylamine	3.934	42	1477	3.697	ng	#	83
6) Aniline	7.588	93	12626	4.300	ng		96
8) 2-Chlorophenol	7.829	128	7597	4.569	ng		97
9) Benzaldehyde	7.400	77	6511	4.625	ng		95
10) Phenol	7.441	94	9832	4.313	ng		86
11) bis(2-Chloroethyl)ether	7.676	93	7147	4.561	ng		91
12) 1,3-Dichlorobenzene	8.170	146	8592m	4.488	ng		
13) 1,4-Dichlorobenzene	8.311	146	9452	4.875	ng		94
14) 1,2-Dichlorobenzene	8.634	146	9141	4.859	ng		98
15) Benzyl Alcohol	8.517	79	6140	3.990	ng		93
16) 2,2'-oxybis(1-Chloropr...	8.799	45	1653	4.979	ng		80
17) 2-Methylphenol	8.716	107	6945	4.005	ng	#	91
18) Hexachloroethane	9.374	117	3103	5.291	ng		89
19) n-Nitroso-di-n-propyla...	9.069	70	5627	4.354	ng		95
20) 3+4-Methylphenols	9.040	107	9302	3.827	ng		87
22) Acetophenone	9.104	105	13193	4.912	ng	#	100
24) Nitrobenzene	9.492	77	8914	5.191	ng		93
25) Isophorone	10.009	82	16261	4.427	ng		99
26) 2-Nitrophenol	10.215	139	4879	4.683	ng	#	93
27) 2,4-Dimethylphenol	10.250	122	7570	4.341	ng	#	78
28) bis(2-Chloroethoxy)met...	10.491	93	9903	4.881	ng	#	98
29) 2,4-Dichlorophenol	10.755	162	8478	4.320	ng		98
30) 1,2,4-Trichlorobenzene	10.967	180	11098	5.088	ng		99
31) Naphthalene	11.155	128	26397	4.947	ng		95
33) 4-Chloroaniline	11.260	127	11390	4.573	ng	#	94
34) Hexachlorobutadiene	11.431	225	7820	5.108	ng		90
35) Caprolactam	12.001	113	3179	4.803	ng		83
36) 4-Chloro-3-methylphenol	12.365	107	7981	4.211	ng		93
37) 2-Methylnaphthalene	12.741	142	19730m	4.485	ng		
38) 1-Methylnaphthalene	12.964	142	19214m	4.677	ng		
40) 1,2,4,5-Tetrachloroben...	13.105	216	15671	5.160	ng		97
41) Hexachlorocyclopentadiene	13.076	237	3058	8.120	ng		98
43) 2,4,6-Trichlorophenol	13.346	196	8406	4.295	ng		91
44) 2,4,5-Trichlorophenol	13.423	196	8709	3.801	ng	#	90

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46) 1,1'-Biphenyl	13.734	154	29948	4.967	ng		98
47) 2-Chloronaphthalene	13.781	162	23183	4.919	ng		95
48) 2-Nitroaniline	13.981	65	3882	3.985	ng		93
49) Acenaphthylene	14.621	152	36525	4.764	ng		95
50) Dimethylphthalate	14.327	163	32076	4.770	ng		99
51) 2,6-Dinitrotoluene	14.457	165	6674	4.551	ng		90
52) Acenaphthene	14.956	154	21612	4.753	ng		97
53) 3-Nitroaniline	14.798	138	6191	4.354	ng	#	91
55) Dibenzofuran	15.291	168	40421	4.957	ng		97
56) 4-Nitrophenol	15.115	139	3306	3.403	ng	#	66
57) 2,4-Dinitrotoluene	15.250	165	9374	4.538	ng	#	93
58) Fluorene	15.937	166	31436	4.845	ng		94
59) 2,3,4,6-Tetrachlorophenol	15.520	232	8821m	4.330	ng		
60) Diethylphthalate	15.679	149	29559	4.681	ng		97
61) 4-Chlorophenyl-phenyle...	15.920	204	19045	4.810	ng		97
62) 4-Nitroaniline	15.949	138	5929	4.167	ng		97
63) Azobenzene	16.214	77	20862	4.801	ng		96
65) 4,6-Dinitro-2-methylph...	16.020	198	4488	2.961	ng		90
66) n-Nitrosodiphenylamine	16.131	169	27712	4.540	ng		99
67) 4-Bromophenyl-phenylether	16.813	248	13057	4.731	ng		87
68) Hexachlorobenzene	16.942	284	13256	4.904	ng		99
69) Atrazine	17.060	200	12394	5.264	ng		90
71) Phenanthrene	17.677	178	55587	4.927	ng		99
72) Anthracene	17.765	178	54677	4.721	ng		97
73) Carbazole	18.035	167	46560	4.720	ng		96
74) Di-n-butylphthalate	18.558	149	45843	4.426	ng		99
75) Fluoranthene	19.668	202	67542	4.743	ng		97
77) Benzidine	19.839	184	38342	6.773	ng		99
78) Pyrene	20.027	202	69243	4.654	ng		100
80) Butylbenzylphthalate	20.884	149	19464	4.284	ng		96
81) Benzo(a)anthracene	21.901	228	70567	4.825	ng		97
82) 3,3'-Dichlorobenzidine	21.801	252	29039	5.514	ng		97
83) Chrysene	21.971	228	65604	4.775	ng		96
84) Bis(2-ethylhexyl)phtha...	21.760	149	29165	4.477	ng		99
85) Di-n-octyl phthalate	23.029	149	48417	4.463	ng		99
87) Indeno(1,2,3-cd)pyrene	29.269	276	76512	4.596	ng	#	65
88) Benzo(b)fluoranthene	24.245	252	70884	5.022	ng		96
89) Benzo(k)fluoranthene	24.316	252	69003	4.842	ng		99
90) Benzo(a)pyrene	25.179	252	62165	4.471	ng		97
91) Dibenzo(a,h)anthracene	29.322	278	67408	4.824	ng		99
92) Benzo(g,h,i)perylene	30.503	276	65875	4.886	ng		98

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

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