Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG051923\
Data File : BG057463.D
Acq On : 19 May 2023 11:30
Operator : CG/JU
Sample : 02213-03
Misc : MDL-MDL-SOIL 4ppm
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 20 07:02:09 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat May 20 04:19:55 2023
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT2-2023

Manual Integrations APPROVED

Reviewed By :Christian Giraldo 05/22/2023
Supervised By :Jagrut Upadhyay 05/22/2023

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	8.356	152	17801	20.000	ng		0.00
21) Naphthalene-d8	11.194	136	71202	20.000	ng		0.00
39) Acenaphthene-d10	14.971	164	58270	20.000	ng		0.00
64) Phenanthrene-d10	17.708	188	148299	20.000	ng		0.00
76) Chrysene-d12	22.014	240	137295	20.000	ng		0.00
86) Perylene-d12	25.510	264	144894	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.871	112	100475	96.553	ng		0.00
7) Phenol-d6	7.499	99	153480	97.125	ng		0.00
23) Nitrobenzene-d5	9.537	82	114518	67.504	ng		0.00
42) 2,4,6-Tribromophenol	16.457	330	87436	105.754	ng		0.00
45) 2-Fluorobiphenyl	13.596	172	306908	70.936	ng		0.00
79) Terphenyl-d14	20.281	244	569582	67.702	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.674	88	1455	3.382	ng	#	85
3) Pyridine	4.121	79	3851	2.785	ng	#	75
4) n-Nitrosodimethylamine	4.015	42	1849	2.845	ng	#	91
6) Aniline	7.675	93	6493	3.239	ng		96
8) 2-Chlorophenol	7.916	128	3841	3.493	ng		90
10) Phenol	7.522	94	5114	3.320	ng	#	77
11) bis(2-Chloroethyl)ether	7.757	93	4021	3.462	ng		90
12) 1,3-Dichlorobenzene	8.245	146	4502	3.710	ng		88
13) 1,4-Dichlorobenzene	8.397	146	4611	3.782	ng		91
14) 1,2-Dichlorobenzene	8.721	146	4434m	3.768	ng		
15) Benzyl Alcohol	8.597	79	3607	2.740	ng	#	89
16) 2,2'-oxybis(1-Chloropr...	8.867	45	4442	3.034	ng		89
17) 2-Methylphenol	8.791	107	3518	3.168	ng	#	93
18) Hexachloroethane	9.461	117	1534	3.487	ng	#	78
19) n-Nitroso-di-n-propyla...	9.155	70	3579	2.970	ng	#	93
20) 3+4-Methylphenols	9.126	107	4527	2.977	ng		98
22) Acetophenone	9.185	105	6561	3.219	ng	#	97
24) Nitrobenzene	9.578	77	6116	3.572	ng		90
25) Isophorone	10.095	82	10222	3.107	ng		99
26) 2-Nitrophenol	10.301	139	2293	3.499	ng		89
27) 2,4-Dimethylphenol	10.342	122	3778	3.292	ng		91
28) bis(2-Chloroethoxy)met...	10.571	93	5624	3.413	ng	#	98
29) 2,4-Dichlorophenol	10.847	162	4313	3.543	ng		97
30) 1,2,4-Trichlorobenzene	11.053	180	5276	3.758	ng		95
31) Naphthalene	11.247	128	13312	3.497	ng		97
33) 4-Chloroaniline	11.358	127	5646	3.303	ng	#	92
34) Hexachlorobutadiene	11.517	225	3465	3.326	ng	#	86
35) Caprolactam	12.098	113	1094	2.631	ng	#	64
36) 4-Chloro-3-methylphenol	12.451	107	4708	3.404	ng		91
37) 2-Methylnaphthalene	12.827	142	10672m	3.566	ng		
38) 1-Methylnaphthalene	13.038	142	9925	3.518	ng		94
40) 1,2,4,5-Tetrachloroben...	13.191	216	7494	3.623	ng	#	98
41) Hexachlorocyclopentadiene	13.156	237	355	6.624	ng		78
43) 2,4,6-Trichlorophenol	13.432	196	4219	3.348	ng		85
44) 2,4,5-Trichlorophenol	13.514	196	4470m	3.015	ng		
46) 1,1'-Biphenyl	13.808	154	15616	3.612	ng		98

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47) 2-Chloronaphthalene	13.861	162	11929	3.710	ng		98
48) 2-Nitroaniline	14.066	65	3154	2.885	ng		97
49) Acenaphthylene	14.701	152	18378	3.518	ng		99
50) Dimethylphthalate	14.407	163	16032	3.348	ng		97
51) 2,6-Dinitrotoluene	14.542	165	3423	3.501	ng	#	74
52) Acenaphthene	15.036	154	11662	3.573	ng		93
53) 3-Nitroaniline	14.877	138	3284	3.353	ng		96
55) Dibenzofuran	15.365	168	20157	3.675	ng	#	89
56) 4-Nitrophenol	15.206	139	1312	2.014	ng	#	67
57) 2,4-Dinitrotoluene	15.329	165	4577	3.276	ng	#	84
58) Fluorene	16.011	166	15894	3.518	ng	#	94
59) 2,3,4,6-Tetrachlorophenol	15.600	232	4115	3.062	ng	#	98
60) Diethylphthalate	15.752	149	16389	3.370	ng		99
61) 4-Chlorophenyl-phenyle...	15.987	204	9262	3.403	ng		97
62) 4-Nitroaniline	16.028	138	3015	3.051	ng		83
63) Azobenzene	16.287	77	14242	3.035	ng		94
66) n-Nitrosodiphenylamine	16.205	169	14151	3.513	ng		97
67) 4-Bromophenyl-phenylether	16.886	248	6208	3.429	ng		87
68) Hexachlorobenzene	17.015	284	7090	4.030	ng		94
69) Atrazine	17.133	200	5960	3.879	ng		90
71) Phenanthrene	17.755	178	27308	3.594	ng		99
72) Anthracene	17.844	178	27144	3.481	ng		100
73) Carbazole	18.108	167	22383	3.410	ng		97
74) Di-n-butylphthalate	18.625	149	23749	3.144	ng		98
75) Fluoranthene	19.747	202	31895	3.375	ng		97
77) Benzidine	19.911	184	11479	3.740	ng		97
78) Pyrene	20.105	202	33502	3.358	ng		97
80) Butylbenzylphthalate	20.951	149	10230	3.232	ng		91
81) Benzo(a)anthracene	21.997	228	33922	3.468	ng		98
82) 3,3'-Dichlorobenzidine	21.897	252	12596	4.020	ng		92
83) Chrysene	22.067	228	31815	3.457	ng		99
84) Bis(2-ethylhexyl)phtha...	21.844	149	15670	3.346	ng		93
85) Di-n-octyl phthalate	23.130	149	26422	3.384	ng	#	95
87) Indeno(1,2,3-cd)pyrene	29.551	276	36468	3.453	ng	#	97
88) Benzo(b)fluoranthene	24.388	252	33600	3.547	ng		97
89) Benzo(k)fluoranthene	24.470	252	33859	3.518	ng		98
90) Benzo(a)pyrene	25.351	252	28516	3.082	ng		97
91) Dibenzo(a,h)anthracene	29.610	278	30004	3.412	ng		98
92) Benzo(g,h,i)perylene	30.826	276	29079	3.386	ng		94

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

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