Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG021422\
Data File : BG052382.D
Acq On : 14 Feb 2022 14:05
Operator : CG/JU
Sample : M4068-03
Misc : MDL-MDL-SOIL 8PPM
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT4-2021

Quant Time: Feb 14 14:38:29 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG020722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Feb 14 14:37:39 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	8.225	152	22439	20.000	ng		0.00
21) Naphthalene-d8	11.063	136	90259	20.000	ng	#	0.00
39) Acenaphthene-d10	14.869	164	67132	20.000	ng		0.00
64) Phenanthrene-d10	17.619	188	167807	20.000	ng		0.00
76) Chrysene-d12	21.936	240	180585	20.000	ng		0.00
86) Perylene-d12	25.402	264	183961	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.752	112	205144	159.338	ng		0.00
7) Phenol-d6	7.374	99	302438	152.246	ng		0.00
23) Nitrobenzene-d5	9.394	82	185262	89.207	ng		0.00
42) 2,4,6-Tribromophenol	16.356	330	162248	168.227	ng		0.00
45) 2-Fluorobiphenyl	13.489	172	443151	91.726	ng		0.00
79) Terphenyl-d14	20.215	244	921233	90.083	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.585	88	4820	8.130	ng		88
3) Pyridine	4.002	79	12367	7.193	ng		92
4) n-Nitrosodimethylamine	3.902	42	7056	7.948	ng	#	86
6) Aniline	7.538	93	19922	8.632	ng		91
8) 2-Chlorophenol	7.785	128	10733	7.578	ng		90
9) Benzaldehyde	7.344	77	12904	10.582	ng		96
10) Phenol	7.397	94	15310	7.757	ng		94
11) bis(2-Chloroethyl)ether	7.626	93	11863	7.863	ng		96
12) 1,3-Dichlorobenzene	8.114	146	13235	8.202	ng		93
13) 1,4-Dichlorobenzene	8.261	146	13334	8.105	ng		99
14) 1,2-Dichlorobenzene	8.584	146	12502	7.706	ng		92
15) Benzyl Alcohol	8.460	79	11470	6.957	ng		95
16) 2,2'-oxybis(1-Chloropr...	8.754	45	16679	7.656	ng		97
17) 2-Methylphenol	8.660	107	9985	7.666	ng		83
18) Hexachloroethane	9.330	117	4882	8.535	ng		91
19) n-Nitroso-di-n-propyla...	9.024	70	11440	7.639	ng		96
20) 3+4-Methylphenols	8.995	107	13634	7.317	ng		92
22) Acetophenone	9.048	105	19958	8.366	ng	#	94
24) Nitrobenzene	9.441	77	16425	8.338	ng		94
25) Isophorone	9.964	82	31025	8.780	ng		96
26) 2-Nitrophenol	10.164	139	6605	7.910	ng		98
27) 2,4-Dimethylphenol	10.217	122	11334	9.168	ng		94
28) bis(2-Chloroethoxy)met...	10.440	93	16136	8.046	ng	#	97
29) 2,4-Dichlorophenol	10.704	162	11343	7.655	ng		98
30) 1,2,4-Trichlorobenzene	10.922	180	14747	8.523	ng		97
31) Naphthalene	11.116	128	40090	8.472	ng	#	94
32) Benzoic acid	10.328	122	3507m	4.830	ng		
33) 4-Chloroaniline	11.210	127	16357	8.280	ng		97
34) Hexachlorobutadiene	11.403	225	9661	8.267	ng		95
35) Caprolactam	11.956	113	4318	7.996	ng	#	84
36) 4-Chloro-3-methylphenol	12.326	107	13161	7.807	ng		95
37) 2-Methylnaphthalene	12.708	142	29170	8.300	ng		94
38) 1-Methylnaphthalene	12.925	142	29055	8.532	ng		96
40) 1,2,4,5-Tetrachloroben...	13.072	216	18581	8.415	ng		98
41) Hexachlorocyclopentadiene	13.060	237	4968	5.329	ng		88
43) 2,4,6-Trichlorophenol	13.313	196	10561	7.313	ng		89

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	13.389	196	12007	7.672	ng		95
46) 1,1'-Biphenyl	13.700	154	41154	8.360	ng		94
47) 2-Chloronaphthalene	13.753	162	31600	8.332	ng		98
48) 2-Nitroaniline	13.941	65	10226	7.574	ng		99
49) Acenaphthylene	14.593	152	54369	8.807	ng		99
50) Dimethylphthalate	14.305	163	41887	8.145	ng	#	95
51) 2,6-Dinitrotoluene	14.429	165	9007	8.116	ng	#	82
52) Acenaphthene	14.934	154	30969m	7.659	ng		
53) 3-Nitroaniline	14.764	138	8854	7.676	ng		97
54) 2,4-Dinitrophenol	14.981	184	1539	2.558	ng	#	72
55) Dibenzofuran	15.263	168	53104	8.352	ng		96
56) 4-Nitrophenol	15.081	139	5915	6.828	ng	#	81
57) 2,4-Dinitrotoluene	15.216	165	13345	8.449	ng	#	90
58) Fluorene	15.915	166	44336	8.734	ng	#	97
59) 2,3,4,6-Tetrachlorophenol	15.492	232	10808	7.229	ng		98
60) Diethylphthalate	15.662	149	44231	8.514	ng		98
61) 4-Chlorophenyl-phenyle...	15.897	204	23456	8.112	ng		97
62) 4-Nitroaniline	15.921	138	10311	8.491	ng	#	78
63) Azobenzene	16.191	77	43122	8.108	ng		93
65) 4,6-Dinitro-2-methylph...	15.986	198	5738	5.684	ng		93
66) n-Nitrosodiphenylamine	16.109	169	37955	8.209	ng		97
67) 4-Bromophenyl-phenylether	16.796	248	16470	8.071	ng		88
68) Hexachlorobenzene	16.925	284	17994	8.130	ng	#	91
69) Atrazine	17.049	200	15837	8.472	ng		96
70) Pentachlorophenol	17.278	266	5033	4.648	ng	#	80
71) Phenanthrene	17.660	178	75197	8.693	ng		96
72) Anthracene	17.748	178	73613	8.684	ng		96
73) Carbazole	18.018	167	67024	8.107	ng		98
74) Di-n-butylphthalate	18.558	149	75955	8.432	ng		99
75) Fluoranthene	19.663	202	96700	8.779	ng		98
77) Benzidine	19.833	184	38128	9.881	ng		97
78) Pyrene	20.027	202	102602	8.491	ng		95
80) Butylbenzylphthalate	20.891	149	32957	7.852	ng		94
81) Benzo(a)anthracene	21.913	228	101359	8.482	ng		98
82) 3,3'-Dichlorobenzidine	21.819	252	35697	8.557	ng	#	97
83) Chrysene	21.983	228	92334	8.154	ng		98
84) Bis(2-ethylhexyl)phtha...	21.789	149	47333	8.133	ng		96
85) Di-n-octyl phthalate	23.082	149	78861	8.082	ng		96
87) Indeno(1,2,3-cd)pyrene	29.403	276	105438	7.832	ng	#	75
88) Benzo(b)fluoranthene	24.292	252	97487	8.504	ng		99
89) Benzo(k)fluoranthene	24.362	252	95992	8.476	ng		97
90) Benzo(a)pyrene	25.238	252	93902	9.697	ng		97
91) Dibenzo(a,h)anthracene	29.473	278	91918	8.266	ng		95
92) Benzo(g,h,i)perylene	30.660	276	89842	8.232	ng		98

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

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