Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG021422\
Data File : BG052384.D
Acq On : 14 Feb 2022 15:22
Operator : CG/JU
Sample : M4068-03
Misc : MDL-MDL-SOIL 4PPM
ALS Vial : 7 Sample Multiplier: 1

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

Quant Time: Feb 14 16:28:28 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	8.223	152	21500	20.000	ng		0.00
21) Naphthalene-d8	11.066	136	91885	20.000	ng	#	0.00
39) Acenaphthene-d10	14.866	164	69938	20.000	ng		0.00
64) Phenanthrene-d10	17.616	188	170103	20.000	ng		0.00
76) Chrysene-d12	21.933	240	185381	20.000	ng	#	0.00
86) Perylene-d12	25.405	264	187351	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.755	112	214589	173.953	ng		0.00
7) Phenol-d6	7.371	99	312265	164.058	ng		0.00
23) Nitrobenzene-d5	9.397	82	189017	89.404	ng		0.00
42) 2,4,6-Tribromophenol	16.359	330	167964	167.166	ng		0.00
45) 2-Fluorobiphenyl	13.492	172	464129	92.213	ng		0.00
79) Terphenyl-d14	20.212	244	963049	91.736	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.588	88	2534	4.461	ng		87
3) Pyridine	4.011	79	6353	3.856	ng		92
4) n-Nitrosodimethylamine	3.905	42	3179	3.737	ng	#	91
6) Aniline	7.535	93	9742	4.405	ng		95
8) 2-Chlorophenol	7.788	128	5516	4.065	ng		89
9) Benzaldehyde	7.347	77	6763	5.788	ng		91
10) Phenol	7.394	94	7694	4.068	ng	#	81
11) bis(2-Chloroethyl)ether	7.629	93	5968	4.129	ng		84
12) 1,3-Dichlorobenzene	8.111	146	6361m	4.114	ng		
13) 1,4-Dichlorobenzene	8.264	146	6556	4.159	ng		94
14) 1,2-Dichlorobenzene	8.587	146	6341m	4.079	ng		
15) Benzyl Alcohol	8.463	79	5820	3.684	ng		98
16) 2,2'-oxybis(1-Chloropr...	8.751	45	8429	4.038	ng		95
17) 2-Methylphenol	8.669	107	4960	3.975	ng	#	82
18) Hexachloroethane	9.321	117	2438	4.448	ng		85
19) n-Nitroso-di-n-propyla...	9.027	70	5702	3.974	ng	#	86
20) 3+4-Methylphenols	8.992	107	7305	4.092	ng		83
22) Acetophenone	9.051	105	9943	4.094	ng	#	93
24) Nitrobenzene	9.433	77	8707	4.342	ng		99
25) Isophorone	9.961	82	15874	4.413	ng	#	92
26) 2-Nitrophenol	10.161	139	3217	3.785	ng		94
27) 2,4-Dimethylphenol	10.214	122	5719	4.544	ng		85
28) bis(2-Chloroethoxy)met...	10.443	93	8217	4.025	ng		98
29) 2,4-Dichlorophenol	10.713	162	5792	3.840	ng		95
30) 1,2,4-Trichlorobenzene	10.919	180	7453	4.231	ng		92
31) Naphthalene	11.113	128	21324	4.427	ng	#	94
32) Benzoic acid	10.367	122	637	0.862	ng	#	32
33) 4-Chloroaniline	11.213	127	8221	4.088	ng	#	88
34) Hexachlorobutadiene	11.401	225	4870	4.094	ng		93
35) Caprolactam	11.947	113	2041	3.713	ng	#	70
36) 4-Chloro-3-methylphenol	12.329	107	6801	3.963	ng		96
37) 2-Methylnaphthalene	12.711	142	15337	4.287	ng		97
38) 1-Methylnaphthalene	12.928	142	14653m	4.227	ng		
40) 1,2,4,5-Tetrachloroben...	13.075	216	9276	4.032	ng		97
41) Hexachlorocyclopentadiene	13.057	237	1726	1.777	ng		74
43) 2,4,6-Trichlorophenol	13.304	196	5007	3.328	ng		93

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	13.392	196	5534	3.394	ng	#	94
46) 1,1'-Biphenyl	13.703	154	22573	4.402	ng		98
47) 2-Chloronaphthalene	13.750	162	16688	4.224	ng		97
48) 2-Nitroaniline	13.944	65	4800	3.412	ng	#	82
49) Acenaphthylene	14.590	152	27426	4.264	ng	#	92
50) Dimethylphthalate	14.303	163	21200	3.957	ng		99
51) 2,6-Dinitrotoluene	14.426	165	4338	3.752	ng		92
52) Acenaphthene	14.931	154	16124	3.828	ng		94
53) 3-Nitroaniline	14.761	138	4309	3.586	ng	#	86
54) 2,4-Dinitrophenol	14.984	184	342	0.546	ng	#	82
55) Dibenzofuran	15.266	168	27541	4.158	ng		97
56) 4-Nitrophenol	15.090	139	2860	3.169	ng	#	72
57) 2,4-Dinitrotoluene	15.213	165	6524	3.965	ng	#	81
58) Fluorene	15.912	166	22154	4.189	ng		94
59) 2,3,4,6-Tetrachlorophenol	15.489	232	5488	3.524	ng	#	89
60) Diethylphthalate	15.665	149	21160	3.910	ng		99
61) 4-Chlorophenyl-phenyle...	15.900	204	11860	3.937	ng		91
62) 4-Nitroaniline	15.918	138	4748	3.753	ng	#	66
63) Azobenzene	16.194	77	22160	4.000	ng		91
65) 4,6-Dinitro-2-methylph...	15.994	198	2035	1.989	ng		90
66) n-Nitrosodiphenylamine	16.112	169	19368	4.132	ng		94
67) 4-Bromophenyl-phenylether	16.799	248	7638	3.692	ng		92
68) Hexachlorobenzene	16.928	284	9248	4.122	ng	#	88
69) Atrazine	17.046	200	7442	3.928	ng		97
70) Pentachlorophenol	17.275	266	1747	1.592	ng	#	90
71) Phenanthrene	17.663	178	37320m	4.256	ng		
72) Anthracene	17.751	178	36650	4.265	ng		97
73) Carbazole	18.021	167	34148	4.075	ng		99
74) Di-n-butylphthalate	18.561	149	37741	4.133	ng		97
75) Fluoranthene	19.666	202	47803	4.281	ng		97
77) Benzidine	19.830	184	20373	5.143	ng		96
78) Pyrene	20.024	202	51331	4.138	ng		97
80) Butylbenzylphthalate	20.894	149	17032	3.953	ng		89
81) Benzo(a)anthracene	21.916	228	51227	4.176	ng		99
82) 3,3'-Dichlorobenzidine	21.816	252	18018	4.207	ng		97
83) Chrysene	21.986	228	47889	4.120	ng		98
84) Bis(2-ethylhexyl)phtha...	21.792	149	23859	3.993	ng	#	93
85) Di-n-octyl phthalate	23.079	149	39573	3.951	ng		100
87) Indeno(1,2,3-cd)pyrene	29.394	276	52377	3.820	ng	#	98
88) Benzo(b)fluoranthene	24.295	252	47423	4.062	ng		95
89) Benzo(k)fluoranthene	24.359	252	50407m	4.371	ng		
90) Benzo(a)pyrene	25.235	252	46478	4.713	ng		97
91) Dibenzo(a,h)anthracene	29.464	278	45405	4.009	ng		98
92) Benzo(g,h,i)perylene	30.651	276	44508	4.004	ng	#	92

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

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