Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072321\
Data File : BG049422.D
Acq On : 23 Jul 2021 10:24
Operator : CG/JU
Sample : M2940-03
Misc : MDL-MDL-SOIL 8ppm
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2021

Manual Integrations APPROVED
mohammad
7/26/2021 1:24:53 PM

Quant Time: Jul 23 11:18:29 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG072121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 23 11:17:24 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.057	152	28525	20.000	ng	# 0.00
21) Naphthalene-d8	10.877	136	108462	20.000	ng	# 0.00
39) Acenaphthene-d10	14.707	164	71613	20.000	ng	0.00
64) Phenanthrene-d10	17.456	188	153651	20.000	ng	# 0.00
76) Chrysene-d12	21.733	240	174601	20.000	ng	0.00
86) Perylene-d12	25.016	264	181434	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.601	112	198162	117.863	ng	0.00
7) Phenol-d6	7.211	99	285958	116.785	ng	0.00
23) Nitrobenzene-d5	9.226	82	201979	83.435	ng	0.00
42) 2,4,6-Tribromophenol	16.193	330	123452	128.726	ng	0.00
45) 2-Fluorobiphenyl	13.326	172	403304	81.036	ng	0.00
79) Terphenyl-d14	20.064	244	716124	80.100	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.475	88	6230	8.179	ng	# 89
3) Pyridine	3.898	79	11655m	6.005	ng	
4) n-Nitrosodimethylamine	3.804	42	7350	7.711	ng	# 58
6) Aniline	7.376	93	22202	8.384	ng	93
8) 2-Chlorophenol	7.616	128	12528	7.267	ng	88
9) Benzaldehyde	7.182	77	15426	9.483	ng	94
10) Phenol	7.240	94	16933	7.260	ng	99
11) bis(2-Chloroethyl)ether	7.470	93	11452	7.167	ng	75
12) 1,3-Dichlorobenzene	7.945	146	14914	7.316	ng	94
13) 1,4-Dichlorobenzene	8.092	146	14834m	7.308	ng	
14) 1,2-Dichlorobenzene	8.409	146	14641m	7.466	ng	
15) Benzyl Alcohol	8.292	79	14742	7.365	ng	87
16) 2,2'-oxybis(1-Chloropr...	8.586	45	13280	7.115	ng	98
17) 2-Methylphenol	8.492	107	10908	7.024	ng	92
18) Hexachloroethane	9.144	117	6661	8.443	ng	94
19) n-Nitroso-di-n-propyla...	8.856	70	11458	7.122	ng	# 94
20) 3+4-Methylphenols	8.821	107	16098	7.565	ng	92
22) Acetophenone	8.879	105	22668	7.805	ng	# 98
24) Nitrobenzene	9.267	77	19874	7.817	ng	98
25) Isophorone	9.790	82	29261	6.822	ng	96
26) 2-Nitrophenol	9.978	139	7078	7.669	ng	89
27) 2,4-Dimethylphenol	10.037	122	11738	7.956	ng	96
28) bis(2-Chloroethoxy)met...	10.278	93	14769	7.718	ng	# 79
29) 2,4-Dichlorophenol	10.524	162	12520	7.318	ng	91
30) 1,2,4-Trichlorobenzene	10.730	180	14131	7.313	ng	85
31) Naphthalene	10.924	128	41688	7.288	ng	97
32) Benzoic acid	10.137	122	3983m	4.109	ng	
33) 4-Chloroaniline	11.029	127	15512	7.106	ng	# 92
34) Hexachlorobutadiene	11.217	225	10755	7.767	ng	# 86
35) Caprolactam	11.793	113	3658	6.885	ng	# 64
36) 4-Chloro-3-methylphenol	12.157	107	14255	7.064	ng	# 82
37) 2-Methylnaphthalene	12.533	142	30800	7.377	ng	95
38) 1-Methylnaphthalene	12.751	142	28876	7.234	ng	98
40) 1,2,4,5-Tetrachloroben...	12.897	216	17145	8.096	ng	98
41) Hexachlorocyclopentadiene	12.880	237	8227	8.703	ng	89
43) 2,4,6-Trichlorophenol	13.138	196	9466	6.853	ng	94

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	13.215	196	10930	7.315	ng		87
46) 1,1'-Biphenyl	13.538	154	41286	7.864	ng		96
47) 2-Chloronaphthalene	13.579	162	30157	7.478	ng		95
48) 2-Nitroaniline	13.785	65	10389	7.403	ng		97
49) Acenaphthylene	14.425	152	49447	7.563	ng		94
50) Dimethylphthalate	14.149	163	39080	7.512	ng		97
51) 2,6-Dinitrotoluene	14.272	165	8045	7.122	ng		99
52) Acenaphthene	14.766	154	30115	7.631	ng		95
53) 3-Nitroaniline	14.601	138	7894	6.970	ng	#	96
54) 2,4-Dinitrophenol	14.818	184	2741	5.765	ng	#	67
55) Dibenzofuran	15.100	168	44706	7.060	ng		95
56) 4-Nitrophenol	14.918	139	5085	5.692	ng	#	73
57) 2,4-Dinitrotoluene	15.059	165	11862	7.598	ng	#	95
58) Fluorene	15.752	166	38471	7.497	ng		97
59) 2,3,4,6-Tetrachlorophenol	15.324	232	9474	6.936	ng	#	96
60) Diethylphthalate	15.512	149	40221	7.697	ng		94
61) 4-Chlorophenyl-phenyle...	15.741	204	19328	7.406	ng		93
62) 4-Nitroaniline	15.764	138	8777	7.363	ng	#	85
63) Azobenzene	16.034	77	42465	7.338	ng		91
65) 4,6-Dinitro-2-methylph...	15.829	198	4666	5.606	ng		86
66) n-Nitrosodiphenylamine	15.952	169	32035	7.258	ng		96
67) 4-Bromophenyl-phenylether	16.639	248	13542	7.781	ng		94
68) Hexachlorobenzene	16.757	284	15111	7.668	ng		97
69) Atrazine	16.898	200	13131	7.508	ng		96
70) Pentachlorophenol	17.109	266	4073m	4.599	ng		
71) Phenanthrene	17.491	178	60633m	7.341	ng		
72) Anthracene	17.585	178	60953	7.508	ng		96
73) Carbazole	17.855	167	56136	7.270	ng	#	96
74) Di-n-butylphthalate	18.408	149	70931	8.056	ng		97
75) Fluoranthene	19.506	202	77872	7.572	ng		98
77) Benzidine	19.682	184	40613	8.404	ng		98
78) Pyrene	19.865	202	81148	7.081	ng		98
80) Butylbenzylphthalate	20.746	149	32438	7.785	ng	#	96
81) Benzo(a)anthracene	21.715	228	81772	7.394	ng		98
82) 3,3'-Dichlorobenzidine	21.627	252	30841	9.666	ng		100
83) Chrysene	21.780	228	76870	7.207	ng		95
84) Bis(2-ethylhexyl)phtha...	21.609	149	46488	7.440	ng	#	99
85) Di-n-octyl phthalate	22.843	149	76968	7.131	ng		98
87) Indeno(1,2,3-cd)pyrene	28.764	276	98248	7.650	ng	#	98
88) Benzo(b)fluoranthene	23.971	252	85511	7.314	ng	#	98
89) Benzo(k)fluoranthene	24.035	252	85598	7.872	ng	#	94
90) Benzo(a)pyrene	24.852	252	82050	7.743	ng	#	99
91) Dibenzo(a,h)anthracene	28.823	278	81756	7.580	ng	#	98
92) Benzo(g,h,i)perylene	29.927	276	80732	7.564	ng	#	95

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

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