Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG060519\
Data File : BG041073.D
Acq On : 5 Jun 2019 15:42
Operator : HP/JU
Sample : K2241-03
Misc : MDL-SOIL-8PPM
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT2-2019

Manual Integrations APPROVED
mohammad
6/6/2019 3:42:18 PM

Quant Time: Jun 06 08:29:30 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG052919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 29 18:39:57 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.11	152	37526	20.00	ng		-0.02
21) Naphthalene-d8	10.93	136	133093	20.00	ng		-0.02
39) Acenaphthene-d10	14.74	164	91365	20.00	ng		-0.02
64) Phenanthrene-d10	17.48	188	242284	20.00	ng		-0.02
76) Chrysene-d12	21.77	240	281558	20.00	ng		-0.02
87) Perylene-d12	25.09	264	306242	20.00	ng		-0.04
System Monitoring Compounds							
5) 2-Fluorophenol	5.64	112	240053	115.35	ng		-0.01
7) Phenol-d6	7.25	99	330385	102.80	ng		-0.01
23) Nitrobenzene-d5	9.29	82	230439	76.86	ng		-0.02
42) 2,4,6-Tribromophenol	16.23	330	174412	128.59	ng		-0.02
45) 2-Fluorobiphenyl	13.36	172	508193	80.10	ng		-0.02
79) Terphenyl-d14	20.08	244	1015904	76.58	ng		-0.02
Target Compounds							Qvalue
2) 1,4-Dioxane	3.51	88	8519	9.021	ng		90
3) Pyridine	3.93	79	17228	6.165	ng		99
4) n-Nitrosodimethylamine	3.85	42	8609	6.638	ng	#	79
6) Aniline	7.43	93	26853	6.259	ng		98
8) 2-Chlorophenol	7.67	128	17263	6.958	ng		93
9) Benzaldehyde	7.25	77	18939	9.878	ng		83
10) Phenol	7.28	94	21240	6.164	ng		96
11) bis(2-Chloroethyl)ether	7.53	93	15485	6.194	ng		96
12) 1,3-Dichlorobenzene	7.99	146	18893m	6.376	ng		
13) 1,4-Dichlorobenzene	8.15	146	20405	6.803	ng		95
14) 1,2-Dichlorobenzene	8.46	146	19426	6.670	ng		97
15) Benzyl Alcohol	8.35	79	17127	5.761	ng		92
16) 2,2'-oxybis(1-Chloropropan	8.63	45	25739	6.301	ng		95
17) 2-Methylphenol	8.54	107	14441	5.788	ng		94
18) Hexachloroethane	9.19	117	7526	6.510	ng		96
19) n-Nitroso-di-n-propylamine	8.91	70	15451	6.247	ng		98
20) 3+4-Methylphenols	8.87	107	19474	5.635	ng		95
22) Acetophenone	8.93	105	29553	7.916	ng	#	94
24) Nitrobenzene	9.33	77	24894	8.148	ng	#	93
25) Isophorone	9.84	82	39372	6.901	ng		99
26) 2-Nitrophenol	10.04	139	9595	7.618	ng		92
27) 2,4-Dimethylphenol	10.09	122	15044	7.232	ng		95
28) bis(2-Chloroethoxy)methane	10.33	93	21290	6.914	ng		96
29) 2,4-Dichlorophenol	10.57	162	18139	6.867	ng		99
30) 1,2,4-Trichlorobenzene	10.79	180	22293	7.419	ng	#	80
31) Naphthalene	10.99	128	54708	7.656	ng		97
32) Benzoic acid	10.19	122	2659m	9.496	ng		
33) 4-Chloroaniline	11.10	127	23190	6.994	ng	#	87
34) Hexachlorobutadiene	11.24	225	16415	7.139	ng		94
35) Caprolactam	11.84	113	5591	6.409	ng		97
36) 4-Chloro-3-methylphenol	12.20	107	20701	6.862	ng		94
37) 2-Methylnaphthalene	12.58	142	39430	7.164	ng		99
38) 1-Methylnaphthalene	12.79	142	38072	7.341	ng		97
40) 1,2,4,5-Tetrachlorobenzene	12.94	216	28531	7.748	ng		98

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Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Hexachlorocyclopentadiene	12.91	237	9962	12.750	ng		94
43) 2,4,6-Trichlorophenol	13.18	196	16759	7.035	ng		95
44) 2,4,5-Trichlorophenol	13.25	196	18446	7.342	ng	#	89
46) 1,1'-Biphenyl	13.58	154	52235	7.724	ng		98
47) 2-Chloronaphthalene	13.62	162	42521	7.324	ng		97
48) 2-Nitroaniline	13.83	65	14604	7.011	ng		92
49) Acenaphthylene	14.47	152	68586	7.849	ng		95
50) Dimethylphthalate	14.18	163	55769	7.211	ng		99
51) 2,6-Dinitrotoluene	14.32	165	12422	7.449	ng		88
52) Acenaphthene	14.80	154	40327	7.618	ng		99
53) 3-Nitroaniline	14.65	138	11542	6.922	ng	#	96
54) 2,4-Dinitrophenol	14.87	184	1515	10.437	ng	#	83
55) Dibenzofuran	15.14	168	70598	7.926	ng		99
56) 4-Nitrophenol	14.95	139	7325	6.404	ng		85
57) 2,4-Dinitrotoluene	15.10	165	17048	7.237	ng	#	97
58) Fluorene	15.79	166	52955	7.465	ng		98
59) 2,3,4,6-Tetrachlorophenol	15.36	232	19650	7.958	ng		96
60) Diethylphthalate	15.54	149	57181	7.245	ng		99
61) 4-Chlorophenyl-phenylether	15.77	204	32492	7.047	ng		95
62) 4-Nitroaniline	15.81	138	13477	7.634	ng		81
63) Azobenzene	16.07	77	53241	7.422	ng		99
65) 4,6-Dinitro-2-methylphenol	15.86	198	6121	12.460	ng		98
66) n-Nitrosodiphenylamine	15.99	169	49654	7.290	ng		96
67) 4-Bromophenyl-phenylether	16.67	248	21626	6.614	ng		96
68) Hexachlorobenzene	16.78	284	23144	6.647	ng		97
69) Atrazine	16.93	200	21235	8.080	ng		96
70) Pentachlorophenol	17.13	266	7360	7.992	ng	#	81
71) Phenanthrene	17.53	178	96691m	7.662	ng		
72) Anthracene	17.62	178	98281	7.896	ng		97
73) Carbazole	17.89	167	88026	8.242	ng	#	97
74) Di-n-butylphthalate	18.42	149	96318	7.256	ng		99
75) Fluoranthene	19.53	202	132784	8.518	ng		98
77) Benzidine	19.72	184	59911	8.920	ng		95
78) Pyrene	19.89	202	139128m	7.601	ng		
80) Butylbenzylphthalate	20.76	149	49403	6.936	ng		96
81) Benzo(a)anthracene	21.74	228	151600	8.089	ng		97
82) 3,3'-Dichlorobenzidine	21.66	252	53282	8.083	ng		100
83) Chrysene	21.81	228	142012	7.918	ng		99
84) Bis(2-ethylhexyl)phthalate	21.61	149	70884	7.069	ng		93
85) Di-n-octyl phthalate	22.85	149	128049	7.668	ng		98
86) Indeno(1,2,3-cd)pyrene	28.90	276	160644	7.312	ng	#	60
88) Benzo(b)fluoranthene	24.02	252	140755	7.578	ng		99
89) Benzo(k)fluoranthene	24.09	252	136872	7.446	ng		99
90) Benzo(a)pyrene	24.93	252	134205	7.573	ng	#	92
91) Dibenzo(a,h)anthracene	28.97	278	134490	7.595	ng		95
92) Benzo(g,h,i)perylene	30.11	276	134124	7.796	ng		98

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

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