Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG101818\
Data File : BG037428.D
Acq On : 18 Oct 2018 20:34
Operator : JU/SJ
Sample : J5164-03
Misc : MDL 2 PPM
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

Manual Integrations APPROVED
Sohil
10/19/2018 3:57:50 PM

Quant Time: Oct 19 08:15:46 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG101818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 18 14:06:42 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.11	152	50942	20.00	ng		0.00
21) Naphthalene-d8	10.93	136	231202	20.00	ng		0.00
39) Acenaphthene-d10	14.74	164	158012	20.00	ng		0.00
64) Phenanthrene-d10	17.49	188	386058	20.00	ng		0.00
76) Chrysene-d12	21.77	240	367754	20.00	ng		0.00
87) Perylene-d12	25.10	264	357967	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.64	112	411188	134.95	ng		0.00
7) Phenol-d6	7.25	99	595397	129.22	ng		0.00
23) Nitrobenzene-d5	9.29	82	338920	82.12	ng		0.00
42) 2,4,6-Tribromophenol	16.23	330	233809	135.67	ng		0.00
45) 2-Fluorobiphenyl	13.36	172	852122	81.32	ng		0.00
79) Terphenyl-d14	20.09	244	1322360	76.83	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.94	88	611	0.395	ng		98
3) Pyridine	3.96	79	7129	1.830	ng	#	90
4) n-Nitrosodimethylamine	3.87	42	3193	2.302	ng	#	90
6) Aniline	7.44	93	6803	1.210	ng	#	89
8) 2-Chlorophenol	7.66	128	6888	1.932	ng		91
9) Benzaldehyde	7.25	77	5916	2.053	ng	#	75
10) Phenol	7.27	94	10163	2.091	ng	#	78
11) bis(2-Chloroethyl)ether	7.53	93	6871	1.861	ng		88
12) 1,3-Dichlorobenzene	7.99	146	8040	2.026	ng		96
13) 1,4-Dichlorobenzene	8.15	146	7739m	1.907	ng		
14) 1,2-Dichlorobenzene	8.46	146	7864	2.014	ng		92
15) Benzyl Alcohol	8.35	79	6072	1.784	ng	#	83
16) 2,2'-oxybis(1-Chloropropan	8.63	45	13206	1.999	ng		97
17) 2-Methylphenol	8.53	107	5648	1.757	ng		95
18) Hexachloroethane	9.20	117	2791	2.017	ng	#	79
19) n-Nitroso-di-n-propylamine	8.91	70	6015	1.896	ng	#	75
20) 3+4-Methylphenols	8.86	107	8237	1.793	ng		88
22) Acetophenone	8.94	105	11841	2.042	ng	#	91
24) Nitrobenzene	9.33	77	8676	2.024	ng		97
25) Isophorone	9.84	82	15698	2.082	ng	#	96
26) 2-Nitrophenol	10.04	139	3112	1.611	ng	#	82
27) 2,4-Dimethylphenol	10.08	122	7090	2.056	ng		93
28) bis(2-Chloroethoxy)methane	10.33	93	9594	1.942	ng		98
29) 2,4-Dichlorophenol	10.56	162	7074	1.842	ng		81
30) 1,2,4-Trichlorobenzene	10.79	180	8276	1.982	ng		88
31) Naphthalene	10.98	128	25327	2.230	ng		97
33) 4-Chloroaniline	11.10	127	5939	1.113	ng	#	91
34) Hexachlorobutadiene	11.24	225	4756	1.922	ng		93
35) Caprolactam	11.85	113	1895	1.231	ng	#	78
36) 4-Chloro-3-methylphenol	12.19	107	7521	1.737	ng		94
37) 2-Methylnaphthalene	12.58	142	18712	2.260	ng		91
38) 1-Methylnaphthalene	12.79	142	18637	2.318	ng		96
40) 1,2,4,5-Tetrachlorobenzene	12.93	216	10176	1.997	ng		95
41) Hexachlorocyclopentadiene	12.91	237	4120	1.692	ng		94

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Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
43) 2,4,6-Trichlorophenol	13.17	196	5199	1.527	ng		95
44) 2,4,5-Trichlorophenol	13.24	196	6261	1.689	ng		91
46) 1,1'-Biphenyl	13.58	154	26870	2.053	ng		95
47) 2-Chloronaphthalene	13.62	162	20378	2.058	ng		95
48) 2-Nitroaniline	13.83	65	4676	1.557	ng	#	80
49) Acenaphthylene	14.47	152	32022	2.150	ng		95
50) Dimethylphthalate	14.19	163	25148	2.057	ng		97
51) 2,6-Dinitrotoluene	14.31	165	4367	1.615	ng		92
52) Acenaphthene	14.80	154	19589	2.136	ng		99
53) 3-Nitroaniline	14.64	138	4133	1.377	ng	#	74
55) Dibenzofuran	15.14	168	32366	2.130	ng		94
56) 4-Nitrophenol	14.94	139	1709	0.769	ng		96
57) 2,4-Dinitrotoluene	15.10	165	5509	1.552	ng	#	87
58) Fluorene	15.78	166	26022	2.287	ng		99
59) 2,3,4,6-Tetrachlorophenol	15.36	232	5127	1.615	ng	#	90
60) Diethylphthalate	15.54	149	24589	1.959	ng		96
61) 4-Chlorophenyl-phenylether	15.77	204	12958	1.954	ng		91
62) 4-Nitroaniline	15.80	138	4568	1.531	ng		88
63) Azobenzene	16.07	77	23515	1.964	ng		94
66) n-Nitrosodiphenylamine	15.99	169	21658	1.865	ng		97
67) 4-Bromophenyl-phenylether	16.67	248	7669	1.809	ng		97
68) Hexachlorobenzene	16.78	284	9167	2.086	ng		93
69) Atrazine	16.92	200	7121	1.696	ng		98
70) Pentachlorophenol	17.12	266	1392	0.473	ng		96
71) Phenanthrene	17.53	178	43788	2.232	ng		97
72) Anthracene	17.62	178	42333	2.199	ng		99
73) Carbazole	17.89	167	35706	1.854	ng		100
74) Di-n-butylphthalate	18.43	149	38911	1.816	ng	#	94
75) Fluoranthene	19.53	202	49119	2.207	ng		99
77) Benzidine	19.72	184	3948	0.316	ng	#	93
78) Pyrene	19.90	202	50922	2.118	ng		95
80) Butylbenzylphthalate	20.77	149	15413	1.567	ng		98
81) Benzo(a)anthracene	21.75	228	44944	2.066	ng		99
82) 3,3'-Dichlorobenzidine	21.67	252	9892	1.173	ng		94
83) Chrysene	21.81	228	46691	2.232	ng		96
84) Bis(2-ethylhexyl)phthalate	21.63	149	22183	1.608	ng		99
85) Di-n-octyl phthalate	22.88	149	33416	1.486	ng	#	97
86) Indeno(1,2,3-cd)pyrene	28.92	276	35687m	1.591	ng		
88) Benzo(b)fluoranthene	24.03	252	40661	2.072	ng		93
89) Benzo(k)fluoranthene	24.10	252	39621	2.061	ng	#	97
90) Benzo(a)pyrene	24.93	252	36908	1.979	ng	#	97
91) Dibenzo(a,h)anthracene	29.00	278	26660	1.550	ng	#	91
92) Benzo(g,h,i)perylene	30.13	276	32605m	1.874	ng		

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

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