Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG091218\
Data File : BG036676.D
Acq On : 12 Sep 2018 17:07
Operator : JU/SJ
Sample : J4842-18MS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SG-SOILMS

Quant Time: Sep 12 18:12:27 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG082318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 31 13:03:20 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	58089	20.00	ng		-0.01
21) Naphthalene-d8	10.86	136	238246	20.00	ng		0.00
38) Acenaphthene-d10	14.68	164	157797	20.00	ng		-0.01
63) Phenanthrene-d10	17.42	188	413393	20.00	ng		-0.01
75) Chrysene-d12	21.69	240	423741	20.00	ng		0.00
86) Perylene-d12	24.89	264	441375	20.00	ng		-0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.63	112	354760	96.88	ng		0.00
7) Phenol-d6	7.21	99	446309	85.13	ng		0.00
23) Nitrobenzene-d5	9.22	82	333759	76.01	ng		0.00
41) 2,4,6-Tribromophenol	16.17	330	230782	122.57	ng		0.00
44) 2-Fluorobiphenyl	13.30	172	763340	69.07	ng		-0.01
78) Terphenyl-d14	20.03	244	1374400	75.81	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.54	88	54831	32.084	ng	#	91
3) Pyridine	3.93	79	147522	30.753	ng		97
4) n-Nitrosodimethylamine	3.84	42	79875	37.384	ng		96
6) Aniline	7.38	93	101438	15.242	ng		97
8) 2-Chlorophenol	7.62	128	162290	40.867	ng		98
9) Benzaldehyde	7.19	77	86056	23.835	ng		98
10) Phenol	7.24	94	189626	34.561	ng		98
11) bis(2-Chloroethyl)ether	7.47	93	163603	37.612	ng		96
12) 1,3-Dichlorobenzene	7.94	146	170834	37.674	ng		99
13) 1,4-Dichlorobenzene	8.09	146	173349	37.865	ng		100
14) 1,2-Dichlorobenzene	8.41	146	163895	37.486	ng		97
15) Benzyl Alcohol	8.29	79	160875	38.063	ng		96
16) 2,2'-oxybis(1-Chloropropan	8.58	45	304791	34.745	ng		98
17) 2-Methylphenol	8.49	107	145426	39.917	ng		99
18) Hexachloroethane	9.14	117	62125	37.849	ng		89
19) n-Nitroso-di-n-propylamine	8.86	70	138340	35.305	ng		93
20) 3+4-Methylphenols	8.82	107	199702	39.262	ng		98
22) Acetophenone	8.88	105	258440	41.309	ng	#	99
24) Nitrobenzene	9.26	77	206955	43.707	ng		97
25) Isophorone	9.78	82	381846	43.774	ng		98
26) 2-Nitrophenol	9.97	139	91966	49.014	ng		96
27) 2,4-Dimethylphenol	10.02	122	161949	46.620	ng		98
28) bis(2-Chloroethoxy)methane	10.26	93	223840	41.811	ng		96
29) 2,4-Dichlorophenol	10.50	162	180701	47.464	ng		95
30) 1,2,4-Trichlorobenzene	10.72	180	185996	41.762	ng		99
31) Naphthalene	10.91	128	524016	43.999	ng		99
32) Benzoic acid	10.14	122	63117	26.699	ng		97
33) 4-Chloroaniline	11.01	127	22976	4.210	ng		96
34) Hexachlorobutadiene	11.19	225	124043	41.453	ng		99
35) Caprolactam	11.78	113	49703	32.772	ng		95
36) 4-Chloro-3-methylphenol	12.13	107	199977	45.206	ng		99
37) 2-Methylnaphthalene	12.51	142	410556	47.113	ng		100
39) 1,2,4,5-Tetrachlorobenzene	12.88	216	232186	41.579	ng		98
40) Hexachlorocyclopentadiene	12.85	237	253119	87.117	ng		99

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Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
42) 2,4,6-Trichlorophenol	13.11	196	157545	46.314	ng		97
43) 2,4,5-Trichlorophenol	13.18	196	171068	47.149	ng		97
45) 1,1'-Biphenyl	13.51	154	525597	40.127	ng		98
46) 2-Chloronaphthalene	13.55	162	417029	41.705	ng		98
47) 2-Nitroaniline	13.75	65	149442	47.592	ng		98
48) Acenaphthylene	14.40	152	693699	44.389	ng		98
49) Dimethylphthalate	14.13	163	562388	43.647	ng		99
50) 2,6-Dinitrotoluene	14.25	165	124726	47.042	ng		92
51) Acenaphthene	14.74	154	441346	44.097	ng		98
52) 3-Nitroaniline	14.58	138	57721	20.202	ng		98
53) 2,4-Dinitrophenol	14.78	184	50426	50.211	ng		98
54) Dibenzofuran	15.07	168	673494	42.952	ng		99
55) 4-Nitrophenol	14.88	139	154432	66.106	ng		100
56) 2,4-Dinitrotoluene	15.03	165	177197	51.279	ng	#	90
57) Fluorene	15.73	166	542403	46.273	ng		99
58) 2,3,4,6-Tetrachlorophenol	15.30	232	167742	49.207	ng		97
59) Diethylphthalate	15.49	149	558101	42.979	ng		99
60) 4-Chlorophenyl-phenylether	15.71	204	310213	42.858	ng		99
61) 4-Nitroaniline	15.74	138	137424	45.963	ng		92
62) Azobenzene	16.01	77	551635	41.752	ng		98
64) 4,6-Dinitro-2-methylphenol	15.80	198	65077	35.836	ng		97
65) n-Nitrosodiphenylamine	15.93	169	498349	40.571	ng		96
66) 4-Bromophenyl-phenylether	16.61	248	210239	43.438	ng		98
67) Hexachlorobenzene	16.73	284	210818	42.598	ng		97
68) Atrazine	16.88	200	218226	47.332	ng		98
69) Pentachlorophenol	17.07	266	213853	63.579	ng		99
70) Phenanthrene	17.47	178	932036	44.371	ng		98
71) Anthracene	17.55	178	948312	45.289	ng		98
72) Carbazole	17.82	167	841661	40.249	ng		100
73) Di-n-butylphthalate	18.38	149	967291	41.539	ng		99
74) Fluoranthene	19.47	202	1150171	44.910	ng		98
76) Benzidine	19.65	184	103158	7.630	ng		98
77) Pyrene	19.83	202	1156040	44.365	ng		99
79) Butylbenzylphthalate	20.71	149	454492	43.827	ng		92
80) Benzo(a)anthracene	21.67	228	1154330	44.966	ng		98
81) 3,3'-Dichlorobenzidine	21.58	252	164316	16.061	ng		98
82) Chrysene	21.74	228	1076003	44.221	ng		99
83) Bis(2-ethylhexyl)phthalate	21.57	149	621143	42.803	ng		100
84) Di-n-octyl phthalate	22.78	149	1043632	43.056	ng		96
85) Indeno(1,2,3-cd)pyrene	28.54	276	1074451	38.018	ng	#	95
87) Benzo(b)fluoranthene	23.88	252	1144791	46.708	ng		98
88) Benzo(k)fluoranthene	23.95	252	1100939	45.978	ng		98
89) Benzo(a)pyrene	24.75	252	1103031	46.834	ng		99
90) Dibenzo(a,h)anthracene	28.60	278	866520	38.111	ng		98
91) Benzo(g,h,i)perylene	29.68	276	942707	41.258	ng		98

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

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