Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073018\
Data File : BF107824.D
Acq On : 31 Jul 2018 2:07
Operator : JU/SJ
Sample : J4210-01MS
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TOPSOIL-072618MS

Manual Integrations APPROVED
Sohil
7/31/2018 2:43:02 PM

Quant Time: Jul 31 05:02:08 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jul 30 17:48:53 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	175168	20.00	ng		0.00
21) Naphthalene-d8	8.25	136	687640	20.00	ng		0.00
38) Acenaphthene-d10	10.00	164	266434	20.00	ng		0.00
63) Phenanthrene-d10	11.50	188	469001	20.00	ng		0.00
75) Chrysene-d12	14.15	240	435177	20.00	ng		0.00
86) Perylene-d12	15.69	264	325177	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.61	112	898508	87.18	ng		0.01
7) Phenol-d6	6.61	99	1109946	81.71	ng		0.00
23) Nitrobenzene-d5	7.53	82	691722	57.95	ng		0.00
41) 2,4,6-Tribromophenol	10.80	330	247886	68.47	ng		0.00
44) 2-Fluorobiphenyl	9.32	172	1192081	62.35	ng		0.00
78) Terphenyl-d14	13.08	244	1091524	54.39	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.85	88	101093	24.176	ng	#	81
3) Pyridine	3.65	79	204512	20.955	ng		87
4) n-Nitrosodimethylamine	3.62	42	61371	11.703	ng		93
6) Aniline	6.64	93	212889	15.068	ng	#	37
8) 2-Chlorophenol	6.75	128	336483	25.990	ng		91
9) Benzaldehyde	6.52	77	141090	17.215	ng		98
10) Phenol	6.62	94	393262	24.277	ng		91
11) bis(2-Chloroethyl)ether	6.70	93	287880	19.986	ng		96
12) 1,3-Dichlorobenzene	6.90	146	349384	25.730	ng		97
13) 1,4-Dichlorobenzene	6.98	146	384322	25.426	ng		99
14) 1,2-Dichlorobenzene	7.13	146	333547	23.772	ng		99
15) Benzyl Alcohol	7.11	79	226418	26.817	ng		99
16) 2,2'-oxybis(1-Chloropropan	7.23	45	569699	27.509	ng		73
17) 2-Methylphenol	7.22	107	252053	26.373	ng	#	77
18) Hexachloroethane	7.47	117	109646	20.181	ng		95
19) n-Nitroso-di-n-propylamine	7.37	70	238591	27.689	ng		96
20) 3+4-Methylphenols	7.38	107	313772	26.741	ng	#	61
22) Acetophenone	7.37	105	485891	29.370	ng	#	94
24) Nitrobenzene	7.55	77	322425	25.761	ng		99
25) Isophorone	7.78	82	626671	31.985	ng		99
26) 2-Nitrophenol	7.87	139	147321	23.454	ng		96
27) 2,4-Dimethylphenol	7.90	122	247504	29.431	ng		97
28) bis(2-Chloroethoxy)methane	7.98	93	394137	30.525	ng		97
29) 2,4-Dichlorophenol	8.11	162	251412	26.430	ng		98
30) 1,2,4-Trichlorobenzene	8.18	180	288044	26.543	ng		99
31) Naphthalene	8.27	128	961704	30.087	ng		99
32) Benzoic acid	7.96	122	48005m	9.684	ng		
33) 4-Chloroaniline	8.33	127	169713	12.430	ng		95
34) Hexachlorobutadiene	8.37	225	169777	25.317	ng		99
35) Caprolactam	8.68	113	72350	25.265	ng	#	78
36) 4-Chloro-3-methylphenol	8.81	107	264812	25.633	ng		99
37) 2-Methylnaphthalene	8.96	142	607232	30.243	ng		97
39) 1,2,4,5-Tetrachlorobenzene	9.12	216	273295	30.085	ng	#	96
40) Hexachlorocyclopentadiene	9.10	237	8810	9.459	ng		97

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Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
42) 2,4,6-Trichlorophenol	9.24	196	152752	30.417	ng		98
43) 2,4,5-Trichlorophenol	9.30	196	167793	27.754	ng		94
45) 1,1'-Biphenyl	9.42	154	749134	30.896	ng		99
46) 2-Chloronaphthalene	9.45	162	523692	28.641	ng		97
47) 2-Nitroaniline	9.56	65	181030	30.438	ng		91
48) Acenaphthylene	9.87	152	836860	29.522	ng		100
49) Dimethylphthalate	9.71	163	684259	34.197	ng		99
50) 2,6-Dinitrotoluene	9.79	165	111726	25.693	ng		91
51) Acenaphthene	10.04	154	473407	28.750	ng		99
52) 3-Nitroaniline	9.98	138	129110	23.562	ng		96
53) 2,4-Dinitrophenol	10.13	184	413	8.601	ng	#	1
54) Dibenzofuran	10.21	168	695816	27.339	ng		99
55) 4-Nitrophenol	10.17	139	73231	34.403	ng		89
56) 2,4-Dinitrotoluene	10.20	165	127367	22.285	ng	#	89
57) Fluorene	10.55	166	529521	26.771	ng		92
58) 2,3,4,6-Tetrachlorophenol	10.34	232	137329	24.731	ng	#	83
59) Diethylphthalate	10.41	149	610196	28.363	ng		98
60) 4-Chlorophenyl-phenylether	10.54	204	266881	24.768	ng		91
61) 4-Nitroaniline	10.60	138	125099	25.726	ng		95
62) Azobenzene	10.70	77	527887	26.346	ng		97
65) n-Nitrosodiphenylamine	10.67	169	464807	30.098	ng		99
66) 4-Bromophenyl-phenylether	11.04	248	145443	26.606	ng	#	86
67) Hexachlorobenzene	11.10	284	156378	25.797	ng	#	91
68) Atrazine	11.18	200	134591	29.447	ng		98
69) Pentachlorophenol	11.31	266	121870	40.840	ng		97
70) Phenanthrene	11.52	178	655654	29.442	ng		98
71) Anthracene	11.58	178	758084	29.513	ng		100
72) Carbazole	11.74	167	707037	27.854	ng		98
73) Di-n-butylphthalate	12.04	149	842796	30.434	ng		99
74) Fluoranthene	12.72	202	791356	30.248	ng		98
76) Benzidine	12.85	184	169006	12.011	ng		98
77) Pyrene	12.95	202	795551	25.387	ng		98
79) Butylbenzylphthalate	13.55	149	358727	26.141	ng		96
80) Benzo(a)anthracene	14.14	228	691144	28.037	ng		99
81) 3,3'-Dichlorobenzidine	14.10	252	242627	25.390	ng		99
82) Chrysene	14.18	228	752892	28.316	ng		100
83) Bis(2-ethylhexyl)phthalate	14.09	149	502302	29.117	ng		99
84) Di-n-octyl phthalate	14.72	149	912157	32.942	ng		99
85) Indeno(1,2,3-cd)pyrene	17.27	276	458697	22.681	ng		96
87) Benzo(b)fluoranthene	15.23	252	498165	31.062	ng		98
88) Benzo(k)fluoranthene	15.26	252	600585	30.502	ng		98
89) Benzo(a)pyrene	15.62	252	476590	28.786	ng		99
90) Dibenzo(a,h)anthracene	17.28	278	386497	26.762	ng		98
91) Benzo(g,h,i)perylene	17.75	276	367690	26.312	ng		94

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

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