Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM101818\
Data File : BM017191.D
Acq On : 18 Oct 2018 14:01
Operator : MJ/SJ
Sample : J5164-02
Misc : LOQ 20 PPM
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : LOQ-SOIL-02-QT4-2018

Quant Time: Oct 19 09:34:29 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM101718.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 17 14:23:17 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.67	152	191696	20.00	ng		0.00
21) Naphthalene-d8	10.45	136	808708	20.00	ng		0.00
39) Acenaphthene-d10	14.31	164	457072	20.00	ng		0.00
64) Phenanthrene-d10	17.06	188	1073261	20.00	ng		0.00
76) Chrysene-d12	21.25	240	1309949	20.00	ng		-0.01
87) Perylene-d12	23.47	264	1363405	20.00	ng		-0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.29	112	1685413	148.70	ng		0.00
7) Phenol-d6	6.85	99	2207965	143.04	ng		0.00
23) Nitrobenzene-d5	8.82	82	1225144	88.60	ng		-0.01
42) 2,4,6-Tribromophenol	15.80	330	928274	150.18	ng		-0.01
45) 2-Fluorobiphenyl	12.93	172	2897952	84.36	ng		0.00
79) Terphenyl-d14	19.70	244	4614669	79.40	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.26	88	96095	16.604	ng		90
3) Pyridine	3.65	79	261139	19.610	ng		88
4) n-Nitrosodimethylamine	3.56	42	114936	21.500	ng	#	69
6) Aniline	7.01	93	322112	16.683	ng		96
8) 2-Chlorophenol	7.24	128	269695	20.568	ng		97
9) Benzaldehyde	6.82	77	175726	17.854	ng		93
10) Phenol	6.87	94	335185	20.176	ng		97
11) bis(2-Chloroethyl)ether	7.11	93	246002	18.575	ng		99
12) 1,3-Dichlorobenzene	7.56	146	293368	19.193	ng		97
13) 1,4-Dichlorobenzene	7.70	146	301939	19.335	ng		95
14) 1,2-Dichlorobenzene	8.02	146	290959	19.338	ng		98
15) Benzyl Alcohol	7.92	79	225555	19.991	ng		96
16) 2,2'-oxybis(1-Chloropropan	8.20	45	332456	17.968	ng		99
17) 2-Methylphenol	8.11	107	217748	20.420	ng		95
18) Hexachloroethane	8.73	117	104172	19.492	ng		98
19) n-Nitroso-di-n-propylamine	8.47	70	194021	19.089	ng		95
20) 3+4-Methylphenols	8.43	107	291385	19.979	ng		97
22) Acetophenone	8.49	105	390115	19.030	ng	#	97
24) Nitrobenzene	8.86	77	299356	20.467	ng		94
25) Isophorone	9.39	82	500126	21.904	ng		98
26) 2-Nitrophenol	9.57	139	127279	22.088	ng		95
27) 2,4-Dimethylphenol	9.63	122	238777	23.650	ng		99
28) bis(2-Chloroethoxy)methane	9.87	93	323513	20.130	ng		99
29) 2,4-Dichlorophenol	10.10	162	243166	20.743	ng		99
30) 1,2,4-Trichlorobenzene	10.31	180	269309	19.151	ng		97
31) Naphthalene	10.49	128	814230	20.545	ng		99
32) Benzoic acid	9.73	122	132365	17.571	ng		95
33) 4-Chloroaniline	10.62	127	214950	12.558	ng		98
34) Hexachlorobutadiene	10.77	225	168284	18.887	ng		97
35) Caprolactam	11.39	113	72104	16.878	ng		92
36) 4-Chloro-3-methylphenol	11.74	107	263830	19.966	ng		97
37) 2-Methylnaphthalene	12.11	142	598543	22.070	ng		97
38) 1-Methylnaphthalene	12.33	142	569824	21.588	ng		97
40) 1,2,4,5-Tetrachlorobenzene	12.49	216	306408	19.036	ng		99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	12.46	237	202852	26.068	ng	100
43) 2,4,6-Trichlorophenol	12.73	196	192685	20.621	ng	98
44) 2,4,5-Trichlorophenol	12.80	196	209574	20.916	ng	97
46) 1,1'-Biphenyl	13.14	154	760381	18.486	ng	98
47) 2-Chloronaphthalene	13.18	162	590945	19.529	ng	99
48) 2-Nitroaniline	13.39	65	158736	22.056	ng	97
49) Acenaphthylene	14.03	152	956838	21.815	ng	98
50) Dimethylphthalate	13.77	163	744609	21.116	ng	99
51) 2,6-Dinitrotoluene	13.89	165	156067	20.108	ng	95
52) Acenaphthene	14.37	154	560105	20.338	ng	99
53) 3-Nitroaniline	14.22	138	119793	14.251	ng	93
54) 2,4-Dinitrophenol	14.43	184	80762	24.140	ng	96
55) Dibenzofuran	14.71	168	911643	19.906	ng	99
56) 4-Nitrophenol	14.53	139	134364	21.221	ng	88
57) 2,4-Dinitrotoluene	14.69	165	215224	20.632	ng	96
58) Fluorene	15.36	166	730159	21.540	ng	99
59) 2,3,4,6-Tetrachlorophenol	14.94	232	200357	21.936	ng	96
60) Diethylphthalate	15.14	149	736549	21.062	ng	99
61) 4-Chlorophenyl-phenylether	15.36	204	378204	19.571	ng	96
62) 4-Nitroaniline	15.39	138	168706	20.957	ng	94
63) Azobenzene	15.66	77	690321	20.309	ng	98
65) 4,6-Dinitro-2-methylphenol	15.45	198	115985	21.376	ng	96
66) n-Nitrosodiphenylamine	15.58	169	645027	19.865	ng	99
67) 4-Bromophenyl-phenylether	16.26	248	235733	20.004	ng	96
68) Hexachlorobenzene	16.36	284	261798	19.125	ng	99
69) Atrazine	16.53	200	237515	20.437	ng	98
70) Pentachlorophenol	16.71	266	145213	15.486	ng	96
71) Phenanthrene	17.10	178	1217342	21.023	ng	99
72) Anthracene	17.19	178	1204689	21.895	ng	100
73) Carbazole	17.47	167	1098864	19.551	ng	100
74) Di-n-butylphthalate	18.04	149	1204620	20.321	ng	99
75) Fluoranthene	19.12	202	1448400	22.229	ng	100
77) Benzidine	19.32	184	392334	11.812	ng	99
78) Pyrene	19.49	202	1500727	20.498	ng	99
80) Butylbenzylphthalate	20.40	149	555123	24.122	ng	93
81) Benzo(a)anthracene	21.24	228	1587274	21.532	ng	99
82) 3,3'-Dichlorobenzidine	21.18	252	386565	14.070	ng	99
83) Chrysene	21.29	228	1525447	20.907	ng	100
84) Bis(2-ethylhexyl)phthalate	21.18	149	830533	22.637	ng	99
85) Di-n-octyl phthalate	22.05	149	1416942	22.916	ng	100
86) Indeno(1,2,3-cd)pyrene	25.68	276	1797510	22.026	ng	98
88) Benzo(b)fluoranthene	22.80	252	1643647	22.050	ng	100
89) Benzo(k)fluoranthene	22.85	252	1548227	20.699	ng	98
90) Benzo(a)pyrene	23.37	252	1537072	21.718	ng	99
91) Dibenzo(a,h)anthracene	25.69	278	1507406	21.449	ng	98
92) Benzo(g,h,i)perylene	26.36	276	1508688	21.660	ng	97

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

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