Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM020718\
Data File : BM014171.D
Acq On : 07 Feb 2018 21:19
Operator : SJ/JU
Sample : J1161-02
Misc : LOQ 20 PPM
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2018

Manual Integrations APPROVED
Sohil
2/8/2018 3:50:31 PM

Quant Time: Feb 08 11:09:04 2018
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\8270-BM020718.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Feb 07 17:16:49 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.54	152	79632	20.00	ng		0.00
21) Naphthalene-d8	10.32	136	395066	20.00	ng		0.00
38) Acenaphthene-d10	14.20	164	275769	20.00	ng		0.00
63) Phenanthrene-d10	16.96	188	722487	20.00	ng		0.00
75) Chrysene-d12	21.17	240	835066	20.00	ng		0.00
86) Perylene-d12	23.34	264	715262	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.16	112	620592	135.83	ng		0.00
7) Phenol-d6	6.73	99	874138	135.09	ng		0.00
23) Nitrobenzene-d5	8.70	82	951781	107.61	ng		0.00
41) 2,4,6-Tribromophenol	15.70	330	537228	137.29	ng		0.00
44) 2-Fluorobiphenyl	12.81	172	2357329	106.71	ng		0.00
78) Terphenyl-d14	19.60	244	4379863	102.48	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.15	88	39179	20.87	ng	#	100
3) Pyridine	3.53	79	102677	19.75	ng	#	85
4) n-Nitrosodimethylamine	3.45	42	62077	18.74	ng	#	52
6) Aniline	6.89	93	161261	19.55	ng		95
8) 2-Chlorophenol	7.11	128	98587	18.99	ng		96
9) Benzaldehyde	6.71	77	63982	13.74	ng		90
10) Phenol	6.76	94	130661	20.45	ng		97
11) bis(2-Chloroethyl)ether	6.99	93	96283	19.07	ng		90
12) 1,3-Dichlorobenzene	7.43	146	125221	19.29	ng	#	88
13) 1,4-Dichlorobenzene	7.58	146	129414	19.85	ng		94
14) 1,2-Dichlorobenzene	7.89	146	131613	20.06	ng	#	91
15) Benzyl Alcohol	7.80	79	109313	18.23	ng	#	83
16) 2,2'-oxybis(1-Chloropropan	8.07	45	98959	19.27	ng		83
17) 2-Methylphenol	8.00	107	93305	19.08	ng	#	81
18) Hexachloroethane	8.60	117	52129	18.50	ng	#	83
19) n-Nitroso-di-n-propylamine	8.35	70	106213	19.05	ng	#	92
20) 3+4-Methylphenols	8.33	107	130815	18.48	ng		88
22) Acetophenone	8.37	105	205618	18.10	ng	#	88
24) Nitrobenzene	8.75	77	170779	18.75	ng		93
25) Isophorone	9.26	82	264526	18.05	ng	#	95
26) 2-Nitrophenol	9.45	139	60519	17.62	ng	#	57
27) 2,4-Dimethylphenol	9.52	122	94338	18.02	ng	#	78
28) bis(2-Chloroethoxy)methane	9.75	93	142812	19.01	ng		98
29) 2,4-Dichlorophenol	9.98	162	105043	17.95	ng		95
30) 1,2,4-Trichlorobenzene	10.18	180	141253	18.31	ng		99
31) Naphthalene	10.36	128	395961	18.30	ng		99
32) Benzoic acid	9.66	122	62680	18.30	ng	#	77
33) 4-Chloroaniline	10.50	127	159731	17.76	ng	#	86
34) Hexachlorobutadiene	10.64	225	96377	18.22	ng		99
35) Caprolactam	11.29	113	36823	17.60	ng		94
36) 4-Chloro-3-methylphenol	11.63	107	131343	18.12	ng	#	84
37) 2-Methylnaphthalene	11.99	142	304994	18.72	ng	#	90
39) 1,2,4,5-Tetrachlorobenzene	12.37	216	178001	18.42	ng	#	100
40) Hexachlorocyclopentadiene	12.33	237	79390	19.11	ng		97

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Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
42) 2,4,6-Trichlorophenol	12.62	196	101553	17.89	ng		94
43) 2,4,5-Trichlorophenol	12.70	196	111639	17.81	ng	#	82
45) 1,1'-Biphenyl	13.02	154	455638	19.07	ng		98
46) 2-Chloronaphthalene	13.06	162	342667	18.90	ng	#	89
47) 2-Nitroaniline	13.29	65	120452	18.05	ng	#	74
48) Acenaphthylene	13.92	152	549448	18.48	ng		99
49) Dimethylphthalate	13.67	163	468411	18.97	ng	#	99
50) 2,6-Dinitrotoluene	13.80	165	93878	18.53	ng	#	59
51) Acenaphthene	14.26	154	344325	18.79	ng		99
52) 3-Nitroaniline	14.13	138	94953	18.12	ng	#	73
53) 2,4-Dinitrophenol	14.36	184	31939	17.68	ng	#	73
54) Dibenzofuran	14.60	168	542880	18.96	ng	#	90
55) 4-Nitrophenol	14.46	139	58660	18.90	ng		95
56) 2,4-Dinitrotoluene	14.60	165	139831	17.89	ng	#	79
57) Fluorene	15.26	166	468016	18.58	ng		97
58) 2,3,4,6-Tetrachlorophenol	14.84	232	109103	17.67	ng	#	100
59) Diethylphthalate	15.04	149	522240	19.06	ng		95
60) 4-Chlorophenyl-phenylether	15.26	204	244746	18.69	ng		93
61) 4-Nitroaniline	15.30	138	91048	17.36	ng	#	4
62) Azobenzene	15.55	77	543416	19.09	ng		83
64) 4,6-Dinitro-2-methylphenol	15.37	198	71450	18.33	ng		91
65) n-Nitrosodiphenylamine	15.47	169	411920	18.06	ng		100
66) 4-Bromophenyl-phenylether	16.15	248	153436	18.12	ng	#	83
67) Hexachlorobenzene	16.26	284	167572	18.02	ng	#	80
68) Atrazine	16.44	200	125745	14.70	ng		98
69) Pentachlorophenol	16.62	266	87051	18.59	ng		96
70) Phenanthrene	17.00	178	809263	18.57	ng		99
71) Anthracene	17.09	178	787388	18.54	ng		98
72) Carbazole	17.37	167	716816	17.96	ng		98
73) Di-n-butylphthalate	17.93	149	948328	18.56	ng	#	96
74) Fluoranthene	19.03	202	971087	18.93	ng		99
76) Benzidine	19.23	184	251908m	10.13	ng		
77) Pyrene	19.39	202	1017044	17.53	ng		97
79) Butylbenzylphthalate	20.31	149	443281	16.97	ng	#	82
80) Benzo(a)anthracene	21.15	228	1000644	18.44	ng		99
81) 3,3'-Dichlorobenzidine	21.09	252	332511	16.40	ng	#	99
82) Chrysene	21.20	228	955626	18.16	ng		99
83) Bis(2-ethylhexyl)phthalate	21.09	149	641903	16.84	ng		98
84) Di-n-octyl phthalate	21.95	149	945588	17.92	ng	#	96
85) Indeno(1,2,3-cd)pyrene	25.51	276	795888	19.23	ng		97
87) Benzo(b)fluoranthene	22.69	252	904713	18.23	ng	#	92
88) Benzo(k)fluoranthene	22.74	252	883695	18.73	ng	#	97
89) Benzo(a)pyrene	23.25	252	823229	18.82	ng		99
90) Dibenzo(a,h)anthracene	25.51	278	667661	18.68	ng	#	95
91) Benzo(g,h,i)perylene	26.17	276	632249	18.92	ng	#	86

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

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