Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF082517\
Data File : BF098049.D
Acq On : 26 Aug 2017 00:03
Operator : SJ/JU
Sample : I4938-01MS
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
IRON-LEAF-TOPSOILMS

Manual Integrations APPROVED
Sohil
8/28/2017 3:13:35 PM

Quant Time: Aug 26 00:45:13 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 21 15:59:04 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.74	152	101393	20.00	ng		-0.01
21) Naphthalene-d8	8.03	136	358889	20.00	ng		0.00
38) Acenaphthene-d10	9.77	164	134922	20.00	ng		-0.01
63) Phenanthrene-d10	11.26	188	266110	20.00	ng		0.00
75) Chrysene-d12	13.90	240	181281	20.00	ng		0.00
86) Perylene-d12	15.33	264	128965	20.00	ng		0.02
System Monitoring Compounds							
5) 2-Fluorophenol	5.35	112	749929	112.50	ng		0.00
7) Phenol-d6	6.39	99	988626	109.16	ng		0.00
23) Nitrobenzene-d5	7.31	82	588140	89.03	ng		-0.01
41) 2,4,6-Tribromophenol	10.56	330	138021	117.90	ng		-0.01
44) 2-Fluorobiphenyl	9.10	172	768809	83.72	ng		0.00
78) Terphenyl-d14	12.84	244	671377	77.23	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.40	88	132599	35.669	ng		89
3) Pyridine	3.11	79	391771	38.121	ng		88
4) n-Nitrosodimethylamine	3.07	42	164268	41.541	ng		79
6) Aniline	6.45	93	185444	14.575	ng		95
8) 2-Chlorophenol	6.53	128	296065	42.115	ng		95
9) Benzaldehyde	6.29	77	158571	27.641	ng		89
10) Phenol	6.40	94	438492	41.396	ng		94
11) bis(2-Chloroethyl)ether	6.48	93	368032	46.033	ng		94
12) 1,3-Dichlorobenzene	6.68	146	299998	39.673	ng	#	91
13) 1,4-Dichlorobenzene	6.76	146	302064	39.277	ng		95
14) 1,2-Dichlorobenzene	6.92	146	281159	39.649	ng		98
15) Benzyl Alcohol	6.89	79	283724	41.842	ng		96
16) 2,2'-oxybis(1-Chloropropan	7.02	45	419090	38.960	ng		90
17) 2-Methylphenol	7.00	107	252415	40.745	ng		96
18) Hexachloroethane	7.25	117	88964	29.505	ng	#	76
19) n-Nitroso-di-n-propylamine	7.16	70	224793	36.257	ng		89
20) 3+4-Methylphenols	7.16	107	297550	39.324	ng		90
22) Acetophenone	7.16	105	412718	43.531	ng	#	90
24) Nitrobenzene	7.33	77	352639	47.940	ng		93
25) Isophorone	7.57	82	603324	43.919	ng		98
26) 2-Nitrophenol	7.65	139	112878	42.975	ng	#	84
27) 2,4-Dimethylphenol	7.69	122	244206	42.626	ng		95
28) bis(2-Chloroethoxy)methane	7.78	93	382215	42.322	ng		99
29) 2,4-Dichlorophenol	7.89	162	199963	42.047	ng		93
30) 1,2,4-Trichlorobenzene	7.97	180	214571	40.700	ng		100
31) Naphthalene	8.05	128	766670	41.149	ng		99
32) Benzoic acid	7.80	122	146454	36.808	ng		90
33) 4-Chloroaniline	8.11	127	230968	29.394	ng		99
34) Hexachlorobutadiene	8.16	225	125259	40.693	ng		97
35) Caprolactam	8.46	113	68494	42.365	ng		98
36) 4-Chloro-3-methylphenol	8.58	107	225258	36.866	ng	#	79
37) 2-Methylnaphthalene	8.74	142	462271	40.469	ng		98
39) 1,2,4,5-Tetrachlorobenzene	8.90	216	186777	45.107	ng		99
40) Hexachlorocyclopentadiene	8.89	237	15689	7.887	ng		95

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Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
42) 2,4,6-Trichlorophenol	9.02	196	124477	44.776	ng		98
43) 2,4,5-Trichlorophenol	9.06	196	126960	46.035	ng		96
45) 1,1'-Biphenyl	9.20	154	525891	42.743	ng		97
46) 2-Chloronaphthalene	9.23	162	383617	42.198	ng		93
47) 2-Nitroaniline	9.32	65	162222	53.229	ng		94
48) Acenaphthylene	9.64	152	663199	46.456	ng		99
49) Dimethylphthalate	9.50	163	527601	53.496	ng		99
50) 2,6-Dinitrotoluene	9.56	165	83425	42.377	ng	#	51
51) Acenaphthene	9.81	154	361587	40.160	ng		99
52) 3-Nitroaniline	9.73	138	108343	42.656	ng		92
53) 2,4-Dinitrophenol	9.84	184	4741	14.563	ng	#	80
54) Dibenzofuran	9.98	168	542589	44.965	ng		99
55) 4-Nitrophenol	9.90	139	162399	80.153	ng	#	38
56) 2,4-Dinitrotoluene	9.97	165	102438	41.463	ng	#	65
57) Fluorene	10.33	166	411588	44.117	ng		96
58) 2,3,4,6-Tetrachlorophenol	10.10	232	104140	48.771	ng		94
59) Diethylphthalate	10.20	149	450004	43.632	ng		98
60) 4-Chlorophenyl-phenylether	10.32	204	184351	42.534	ng		92
61) 4-Nitroaniline	10.35	138	116166	48.122	ng		80
62) Azobenzene	10.47	77	524961	42.851	ng		93
64) 4,6-Dinitro-2-methylphenol	10.37	198	4196	11.087	ng	#	82
65) n-Nitrosodiphenylamine	10.43	169	357536	39.455	ng		99
66) 4-Bromophenyl-phenylether	10.80	248	112689	40.779	ng		95
67) Hexachlorobenzene	10.87	284	110594	39.265	ng	#	80
68) Atrazine	10.96	200	98100	40.821	ng		97
69) Pentachlorophenol	11.07	266	126897	77.270	ng		98
70) Phenanthrene	11.29	178	713865	50.342	ng		100
71) Anthracene	11.33	178	680838	47.338	ng		99
72) Carbazole	11.49	167	596964	43.727	ng		98
73) Di-n-butylphthalate	11.83	149	691334	43.963	ng		99
74) Fluoranthene	12.47	202	1046601	70.712	ng		100
76) Benzidine	12.59	184	36924	6.212	ng	#	94
77) Pyrene	12.70	202	1061658	71.604	ng		99
79) Butylbenzylphthalate	13.32	149	299623	52.708	ng	#	70
80) Benzo(a)anthracene	13.89	228	626496	57.662	ng		97
81) 3,3'-Dichlorobenzidine	13.85	252	108500	29.594	ng	#	96
82) Chrysene	13.93	228	615889	56.984	ng		98
83) Bis(2-ethylhexyl)phthalate	13.89	149	337905	53.643	ng	#	100
84) Di-n-octyl phthalate	14.50	149	544172	49.649	ng	#	99
85) Indeno(1,2,3-cd)pyrene	16.73	276	417291	52.484	ng		93
87) Benzo(b)fluoranthene	14.92	252	513648	63.187	ng		97
88) Benzo(k)fluoranthene	14.95	252	411655m	53.901	ng		
89) Benzo(a)pyrene	15.27	252	453301	62.989	ng		99
90) Dibenzo(a,h)anthracene	16.74	278	290257	49.542	ng		99
91) Benzo(g,h,i)perylene	17.15	276	361550	59.143	ng		92

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

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