Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF102318\
Data File : BF110089.D
Acq On : 23 Oct 2018 20:37
Operator : JU/SJ
Sample : J5164-03
Misc : MDL 5PPM
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

Manual Integrations APPROVED
Sohil
10/24/2018 5:12:05 PM

Quant Time: Oct 24 05:58:00 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 23 15:06:18 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.96	152	178278	20.00	ng		-0.02
21) Naphthalene-d8	8.25	136	758697	20.00	ng		-0.02
39) Acenaphthene-d10	10.00	164	369248	20.00	ng		-0.02
64) Phenanthrene-d10	11.50	188	717002	20.00	ng		-0.02
76) Chrysene-d12	14.14	240	610974	20.00	ng		-0.02
87) Perylene-d12	15.67	264	519471	20.00	ng		-0.02
System Monitoring Compounds							
5) 2-Fluorophenol	5.58	112	1394309	127.36	ng		-0.02
7) Phenol-d6	6.59	99	1789688	127.81	ng		-0.02
23) Nitrobenzene-d5	7.53	82	1056032	82.56	ng		-0.02
42) 2,4,6-Tribromophenol	10.80	330	473153	129.36	ng		-0.01
45) 2-Fluorobiphenyl	9.32	172	1912143	81.32	ng		-0.02
79) Terphenyl-d14	13.09	244	1998841	68.04	ng		-0.02
Target Compounds							Qvalue
2) 1,4-Dioxane	2.83	88	24535	4.278	ng		93
3) Pyridine	3.67	79	61947	4.849	ng	#	84
4) n-Nitrosodimethylamine	3.55	42	27156	5.074	ng	#	92
6) Aniline	6.63	93	85147	4.668	ng	#	56
8) 2-Chlorophenol	6.75	128	66619	5.278	ng		97
9) Benzaldehyde	6.52	77	41547	3.410	ng		89
10) Phenol	6.60	94	77984	5.210	ng	#	65
11) bis(2-Chloroethyl)ether	6.70	93	65418	5.312	ng		99
12) 1,3-Dichlorobenzene	6.90	146	74129	5.337	ng		96
13) 1,4-Dichlorobenzene	6.98	146	73413	5.226	ng		99
14) 1,2-Dichlorobenzene	7.13	146	70443	5.402	ng		99
15) Benzyl Alcohol	7.10	79	68258	6.338	ng		88
16) 2,2'-oxybis(1-Chloropropan	7.23	45	107549	5.462	ng		66
17) 2-Methylphenol	7.20	107	54098	5.378	ng	#	81
18) Hexachloroethane	7.47	117	26672	5.186	ng		94
19) n-Nitroso-di-n-propylamine	7.36	70	46563	5.183	ng		91
20) 3+4-Methylphenols	7.35	107	71300	5.484	ng	#	86
22) Acetophenone	7.37	105	97497	5.577	ng	#	98
24) Nitrobenzene	7.55	77	72111	5.460	ng		93
25) Isophorone	7.77	82	129981	5.961	ng		98
26) 2-Nitrophenol	7.86	139	29152	4.639	ng		94
27) 2,4-Dimethylphenol	7.89	122	58205	5.586	ng		98
28) bis(2-Chloroethoxy)methane	7.99	93	82997	5.603	ng		98
29) 2,4-Dichlorophenol	8.10	162	54097	5.139	ng		98
30) 1,2,4-Trichlorobenzene	8.19	180	61820	5.243	ng		98
31) Naphthalene	8.27	128	208134	5.952	ng		99
32) Benzoic acid	7.95	122	22095m	2.744	ng		
33) 4-Chloroaniline	8.32	127	67015	4.258	ng		95
34) Hexachlorobutadiene	8.38	225	33745	5.155	ng		99
35) Caprolactam	8.65	113	16388	4.467	ng	#	89
36) 4-Chloro-3-methylphenol	8.78	107	59817	5.255	ng		97
37) 2-Methylnaphthalene	8.96	142	141630	6.122	ng		97
38) 1-Methylnaphthalene	9.06	142	133041	5.951	ng		96
40) 1,2,4,5-Tetrachlorobenzene	9.12	216	58948	5.124	ng		98

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Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Hexachlorocyclopentadiene	9.11	237	28260	4.804	ng		98
43) 2,4,6-Trichlorophenol	9.23	196	36225	4.882	ng		96
44) 2,4,5-Trichlorophenol	9.27	196	41087	5.238	ng		96
46) 1,1'-Biphenyl	9.42	154	177930	5.329	ng		100
47) 2-Chloronaphthalene	9.45	162	135618	5.537	ng		98
48) 2-Nitroaniline	9.54	65	37769	5.089	ng		96
49) Acenaphthylene	9.87	152	206135	5.827	ng		100
50) Dimethylphthalate	9.72	163	151974	5.576	ng		99
51) 2,6-Dinitrotoluene	9.78	165	31808	5.418	ng		90
52) Acenaphthene	10.04	154	131072	5.601	ng		96
53) 3-Nitroaniline	9.95	138	30484	4.366	ng		91
54) 2,4-Dinitrophenol	10.06	184	6603	7.825	ng		93
55) Dibenzofuran	10.21	168	186414	5.689	ng		94
56) 4-Nitrophenol	10.10	139	25515	4.938	ng		93
57) 2,4-Dinitrotoluene	10.19	165	39299	5.270	ng	#	84
58) Fluorene	10.56	166	148851	6.104	ng		99
59) 2,3,4,6-Tetrachlorophenol	10.33	232	32511m	5.085	ng		
60) Diethylphthalate	10.42	149	148369	5.576	ng		98
61) 4-Chlorophenyl-phenylether	10.55	204	70041	5.444	ng		96
62) 4-Nitroaniline	10.56	138	35350	5.090	ng		89
63) Azobenzene	10.70	77	149031	5.643	ng		99
65) 4,6-Dinitro-2-methylphenol	10.59	198	11520	3.517	ng		86
66) n-Nitrosodiphenylamine	10.66	169	126180	5.365	ng		95
67) 4-Bromophenyl-phenylether	11.04	248	41517	5.338	ng		98
68) Hexachlorobenzene	11.10	284	43072	5.220	ng		96
69) Atrazine	11.18	200	41345	5.563	ng		97
70) Pentachlorophenol	11.30	266	16038	3.333	ng		98
71) Phenanthrene	11.52	178	225549	6.012	ng		99
72) Anthracene	11.57	178	229947	6.115	ng		98
73) Carbazole	11.73	167	199928	5.445	ng		98
74) Di-n-butylphthalate	12.05	149	236018	5.692	ng		99
75) Fluoranthene	12.71	202	231237	6.073	ng		99
77) Benzidine	12.83	184	54039	2.127	ng	#	92
78) Pyrene	12.94	202	231606	5.288	ng		99
80) Butylbenzylphthalate	13.55	149	95512	5.024	ng		94
81) Benzo(a)anthracene	14.13	228	207350	5.723	ng		98
82) 3,3'-Dichlorobenzidine	14.09	252	49262	3.905	ng		98
83) Chrysene	14.17	228	196510	5.710	ng		99
84) Bis(2-ethylhexyl)phthalate	14.10	149	135349	5.267	ng		98
85) Di-n-octyl phthalate	14.72	149	210625	5.271	ng		99
86) Indeno(1,2,3-cd)pyrene	17.22	276	150126	5.259	ng		95
88) Benzo(b)fluoranthene	15.21	252	172641	5.755	ng		100
89) Benzo(k)fluoranthene	15.24	252	170852m	5.793	ng		
90) Benzo(a)pyrene	15.59	252	158916	5.757	ng		95
91) Dibenzo(a,h)anthracene	17.23	278	127226	5.342	ng		95
92) Benzo(g,h,i)perylene	17.69	276	118239	5.038	ng		96

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

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