Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111419\
Data File : BF117786.D
Acq On : 14 Nov 2019 10:14
Operator : JU
Sample : K5111-01
Misc : LOD-MDL-SOIL-8PPM
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LOD-MDL-SOIL-01-QT4-2019

Quant Time: Nov 14 11:04:32 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF111319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 14 10:38:53 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.92	152	253504	20.00	ng		0.00
21) Naphthalene-d8	8.21	136	1006145	20.00	ng		0.00
39) Acenaphthene-d10	9.97	164	542023	20.00	ng		0.00
64) Phenanthrene-d10	11.46	188	1023897	20.00	ng		0.00
76) Chrysene-d12	14.11	240	756708	20.00	ng		0.00
87) Perylene-d12	15.62	264	697152	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.53	112	1898325	132.55	ng		0.00
7) Phenol-d6	6.55	99	2285184	132.29	ng		0.00
23) Nitrobenzene-d5	7.49	82	1729191	102.17	ng		0.00
42) 2,4,6-Tribromophenol	10.77	330	764777	133.27	ng		0.00
45) 2-Fluorobiphenyl	9.29	172	3040519	100.64	ng		0.00
79) Terphenyl-d14	13.06	244	3501713	84.57	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.72	88	48762	7.284	ng		98
3) Pyridine	3.53	79	115171	6.559	ng		99
4) n-Nitrosodimethylamine	3.42	42	57190	7.461	ng	#	96
6) Aniline	6.59	93	193844	8.492	ng		99
8) 2-Chlorophenol	6.71	128	133978	8.621	ng		96
9) Benzaldehyde	6.47	77	109642	10.161	ng		98
10) Phenol	6.56	94	144603	8.056	ng		96
11) bis(2-Chloroethyl)ether	6.66	93	121235	8.411	ng		97
12) 1,3-Dichlorobenzene	6.86	146	148088	8.094	ng		99
13) 1,4-Dichlorobenzene	6.94	146	151322	8.183	ng		99
14) 1,2-Dichlorobenzene	7.10	146	143636	8.121	ng		98
15) Benzyl Alcohol	7.06	79	91828	6.886	ng		98
16) 2,2'-oxybis(1-Chloropropan	7.19	45	174900	7.881	ng		98
17) 2-Methylphenol	7.16	107	109204	8.298	ng		98
18) Hexachloroethane	7.44	117	52930	7.791	ng		94
19) n-Nitroso-di-n-propylamine	7.33	70	92659	8.695	ng		99
20) 3+4-Methylphenols	7.32	107	140571	8.605	ng		98
22) Acetophenone	7.33	105	192486	8.515	ng		97
24) Nitrobenzene	7.50	77	147861	8.468	ng		97
25) Isophorone	7.74	82	250990	8.091	ng		97
26) 2-Nitrophenol	7.82	139	63898	7.519	ng		99
27) 2,4-Dimethylphenol	7.85	122	116340	8.810	ng		98
28) bis(2-Chloroethoxy)methane	7.95	93	156466	7.948	ng		97
29) 2,4-Dichlorophenol	8.06	162	114659	8.004	ng		95
30) 1,2,4-Trichlorobenzene	8.15	180	128612	7.740	ng		98
31) Naphthalene	8.23	128	412942	8.804	ng		97
32) Benzoic acid	7.90	122	45488	4.114	ng		96
33) 4-Chloroaniline	8.27	127	167712	7.987	ng		97
34) Hexachlorobutadiene	8.35	225	72119	7.424	ng		99
35) Caprolactam	8.61	113	33861	7.438	ng		92
36) 4-Chloro-3-methylphenol	8.75	107	114467	7.874	ng		96
37) 2-Methylnaphthalene	8.92	142	278177	8.777	ng		98
38) 1-Methylnaphthalene	9.02	142	261694	8.734	ng		100
40) 1,2,4,5-Tetrachlorobenzene	9.09	216	122035	7.753	ng		99

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Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Hexachlorocyclopentadiene	9.08	237	66723	7.564	ng		97
43) 2,4,6-Trichlorophenol	9.20	196	79762	7.074	ng		96
44) 2,4,5-Trichlorophenol	9.23	196	86806	7.415	ng		99
46) 1,1'-Biphenyl	9.39	154	344721	8.572	ng		98
47) 2-Chloronaphthalene	9.42	162	259368	7.840	ng		98
48) 2-Nitroaniline	9.50	65	68138	6.822	ng		95
49) Acenaphthylene	9.83	152	415229	8.609	ng		97
50) Dimethylphthalate	9.68	163	298079	7.842	ng		98
51) 2,6-Dinitrotoluene	9.75	165	62201	7.488	ng		91
52) Acenaphthene	10.00	154	254694	8.243	ng		99
53) 3-Nitroaniline	9.91	138	67248	6.765	ng		96
54) 2,4-Dinitrophenol	10.02	184	18718	5.076	ng	#	1
55) Dibenzofuran	10.17	168	372094	8.697	ng		97
56) 4-Nitrophenol	10.06	139	51814	6.983	ng		97
57) 2,4-Dinitrotoluene	10.15	165	79774	7.549	ng		98
58) Fluorene	10.52	166	287378	8.668	ng		99
59) 2,3,4,6-Tetrachlorophenol	10.29	232	71668	7.451	ng		98
60) Diethylphthalate	10.39	149	294167	7.938	ng		99
61) 4-Chlorophenyl-phenylether	10.52	204	140512	8.351	ng		95
62) 4-Nitroaniline	10.52	138	68599	6.893	ng		97
63) Azobenzene	10.67	77	278198	8.252	ng		97
65) 4,6-Dinitro-2-methylphenol	10.56	198	29388	6.148	ng		90
66) n-Nitrosodiphenylamine	10.63	169	250960	8.422	ng		99
67) 4-Bromophenyl-phenylether	11.00	248	86451	7.825	ng		92
68) Hexachlorobenzene	11.07	284	100263	7.783	ng	#	91
69) Atrazine	11.15	200	72663	7.413	ng		98
70) Pentachlorophenol	11.26	266	49754	6.611	ng		99
71) Phenanthrene	11.49	178	445302	8.650	ng		96
72) Anthracene	11.54	178	445745	8.733	ng		97
73) Carbazole	11.69	167	389617	8.736	ng		98
74) Di-n-butylphthalate	12.02	149	456797	8.226	ng		99
75) Fluoranthene	12.68	202	446795	8.972	ng		98
77) Benzidine	12.80	184	198815	8.021	ng		97
78) Pyrene	12.91	202	456675	7.468	ng		98
80) Butylbenzylphthalate	13.53	149	170717	6.500	ng		97
81) Benzo(a)anthracene	14.10	228	393318	7.866	ng		98
82) 3,3'-Dichlorobenzidine	14.06	252	140609	8.039	ng		99
83) Chrysene	14.13	228	387303	7.993	ng		98
84) Bis(2-ethylhexyl)phthalate	14.09	149	233687	7.339	ng		98
85) Di-n-octyl phthalate	14.70	149	339058	7.248	ng		100
86) Indeno(1,2,3-cd)pyrene	17.14	276	274796	6.663	ng		99
88) Benzo(b)fluoranthene	15.17	252	326671	7.212	ng		99
89) Benzo(k)fluoranthene	15.20	252	346395	8.117	ng		98
90) Benzo(a)pyrene	15.55	252	285188	7.160	ng		99
91) Dibenzo(a,h)anthracene	17.16	278	229200	6.686	ng		97
92) Benzo(g,h,i)perylene	17.60	276	221124	6.476	ng		100

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

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