Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061219\
Data File : BF114979.D
Acq On : 12 Jun 2019 17:17
Operator : HP/JU
Sample : K2241-02
Misc : LOO-SOIL-20PPM
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LOQ-SOIL-02-QT2-2019

Manual Integrations APPROVED
mohammad
6/14/2019 8:46:30 AM

Quant Time: Jun 13 11:07:18 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 13 10:54:03 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.65	152	274951	20.00	ng		0.00
21) Naphthalene-d8	7.93	136	1101808	20.00	ng		0.00
39) Acenaphthene-d10	9.67	164	533983	20.00	ng		0.00
64) Phenanthrene-d10	11.15	188	1055296	20.00	ng		0.00
76) Chrysene-d12	13.77	240	717388	20.00	ng		0.00
87) Perylene-d12	15.15	264	701847	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.25	112	1284632	78.02	ng		0.00
7) Phenol-d6	6.29	99	1628753	82.00	ng		0.00
23) Nitrobenzene-d5	7.21	82	917843	50.14	ng		0.00
42) 2,4,6-Tribromophenol	10.46	330	462889	80.95	ng		0.00
45) 2-Fluorobiphenyl	9.00	172	1789804	56.81	ng		0.00
79) Terphenyl-d14	12.73	244	1954884	51.25	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.28	88	144620	18.763	ng		100
3) Pyridine	2.96	79	349807	16.120	ng		99
4) n-Nitrosodimethylamine	2.88	42	138205	17.939	ng		99
6) Aniline	6.31	93	505303	18.996	ng	#	85
8) 2-Chlorophenol	6.43	128	369654	19.798	ng		99
9) Benzaldehyde	6.19	77	289086	25.316	ng		96
10) Phenol	6.30	94	441171	19.852	ng		92
11) bis(2-Chloroethyl)ether	6.39	93	330445	19.158	ng		100
12) 1,3-Dichlorobenzene	6.59	146	416134	19.081	ng		99
13) 1,4-Dichlorobenzene	6.66	146	416452	18.994	ng		100
14) 1,2-Dichlorobenzene	6.82	146	396508	19.209	ng		98
15) Benzyl Alcohol	6.79	79	297535	19.993	ng		99
16) 2,2'-oxybis(1-Chloropropan	6.93	45	443784	19.223	ng		98
17) 2-Methylphenol	6.91	107	300247	19.279	ng		98
18) Hexachloroethane	7.16	117	143754	18.155	ng		95
19) n-Nitroso-di-n-propylamine	7.06	70	235945	19.551	ng		95
20) 3+4-Methylphenols	7.06	107	371452m	20.041	ng		
22) Acetophenone	7.06	105	529270	21.221	ng		96
24) Nitrobenzene	7.23	77	369153	19.821	ng		93
25) Isophorone	7.47	82	662164	19.314	ng		99
26) 2-Nitrophenol	7.55	139	204245	19.675	ng		99
27) 2,4-Dimethylphenol	7.59	122	315094	21.041	ng		99
28) bis(2-Chloroethoxy)methane	7.69	93	418030	19.005	ng		99
29) 2,4-Dichlorophenol	7.79	162	318233	20.116	ng		97
30) 1,2,4-Trichlorobenzene	7.87	180	353932	19.362	ng		99
31) Naphthalene	7.95	128	1101308	21.126	ng		98
32) Benzoic acid	7.70	122	189519	17.491	ng		99
33) 4-Chloroaniline	8.00	127	468276	19.460	ng		99
34) Hexachlorobutadiene	8.07	225	190289	18.728	ng		99
35) Caprolactam	8.36	113	103781	19.696	ng		97
36) 4-Chloro-3-methylphenol	8.49	107	318930	20.005	ng		99
37) 2-Methylnaphthalene	8.64	142	740929	21.309	ng		98
38) 1-Methylnaphthalene	8.74	142	696213	21.186	ng		99
40) 1,2,4,5-Tetrachlorobenzene	8.81	216	337711	21.407	ng		99

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Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Hexachlorocyclopentadiene	8.80	237	131249	16.884	ng		99
43) 2,4,6-Trichlorophenol	8.92	196	224772	19.076	ng		99
44) 2,4,5-Trichlorophenol	8.96	196	240894	20.230	ng		99
46) 1,1'-Biphenyl	9.10	154	920519	21.512	ng		98
47) 2-Chloronaphthalene	9.13	162	698054	20.174	ng		97
48) 2-Nitroaniline	9.22	65	190054	18.583	ng		91
49) Acenaphthylene	9.54	152	1094578	20.574	ng		98
50) Dimethylphthalate	9.40	163	788080	19.625	ng		99
51) 2,6-Dinitrotoluene	9.46	165	180205	19.783	ng		93
52) Acenaphthene	9.71	154	627818	20.626	ng		97
53) 3-Nitroaniline	9.63	138	203472	18.231	ng		99
54) 2,4-Dinitrophenol	9.73	184	77501	17.540	ng		90
55) Dibenzofuran	9.88	168	957050	20.863	ng		97
56) 4-Nitrophenol	9.79	139	148581	19.305	ng		99
57) 2,4-Dinitrotoluene	9.86	165	241519	20.831	ng		98
58) Fluorene	10.22	166	709712	21.152	ng		98
59) 2,3,4,6-Tetrachlorophenol	10.00	232	194886	20.261	ng		99
60) Diethylphthalate	10.10	149	769892	20.051	ng		99
61) 4-Chlorophenyl-phenylether	10.22	204	341810	20.639	ng		98
62) 4-Nitroaniline	10.23	138	206876	18.436	ng		98
63) Azobenzene	10.37	77	705557	21.004	ng		98
65) 4,6-Dinitro-2-methylphenol	10.27	198	107983	18.257	ng		98
66) n-Nitrosodiphenylamine	10.33	169	649833	20.600	ng		100
67) 4-Bromophenyl-phenylether	10.70	248	220877	19.493	ng		98
68) Hexachlorobenzene	10.77	284	241408	19.352	ng		97
69) Atrazine	10.86	200	199740	19.639	ng		98
70) Pentachlorophenol	10.96	266	124588	18.391	ng		99
71) Phenanthrene	11.17	178	1120868	20.571	ng		98
72) Anthracene	11.23	178	1144914	20.829	ng		98
73) Carbazole	11.38	167	1020306	21.266	ng		97
74) Di-n-butylphthalate	11.72	149	1192471	19.715	ng		99
75) Fluoranthene	12.36	202	1159380	20.809	ng		98
77) Benzidine	12.47	184	517353	17.830	ng		99
78) Pyrene	12.58	202	1173402	17.955	ng		98
80) Butylbenzylphthalate	13.21	149	521674	17.090	ng		99
81) Benzo(a)anthracene	13.76	228	988313	18.410	ng		98
82) 3,3'-Dichlorobenzidine	13.73	252	391709	19.032	ng	#	98
83) Chrysene	13.80	228	993337	18.608	ng		98
84) Bis(2-ethylhexyl)phthalate	13.77	149	649923	18.015	ng		98
85) Di-n-octyl phthalate	14.38	149	1151525	18.535	ng		99
86) Indeno(1,2,3-cd)pyrene	16.44	276	798006	17.018	ng		99
88) Benzo(b)fluoranthene	14.77	252	908153	19.465	ng		100
89) Benzo(k)fluoranthene	14.80	252	883344	21.570	ng		98
90) Benzo(a)pyrene	15.09	252	829614	20.607	ng		99
91) Dibenzo(a,h)anthracene	16.46	278	671918	19.380	ng		99
92) Benzo(g,h,i)perylene	16.83	276	661053	18.695	ng		99

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

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