Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF053019\
Data File : BF114663.D
Acq On : 30 May 2019 16:29
Operator : HP/JU
Sample : K2241-02
Misc : LOO-SOIL-20PPM
ALS Vial : 15 Sample Multiplier: 1

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

Quant Time: May 31 11:31:54 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF052919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri May 31 11:26:19 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.69	152	375304	20.00	ng		0.00
21) Naphthalene-d8	7.97	136	1433973	20.00	ng		0.00
39) Acenaphthene-d10	9.72	164	697347	20.00	ng		0.00
64) Phenanthrene-d10	11.19	188	1333977	20.00	ng		0.00
76) Chrysene-d12	13.82	240	968482	20.00	ng		0.00
87) Perylene-d12	15.21	264	1096364	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.29	112	1975899	92.43	ng		0.00
7) Phenol-d6	6.33	99	2375888	92.23	ng		0.00
23) Nitrobenzene-d5	7.25	82	1362040	59.26	ng		0.00
42) 2,4,6-Tribromophenol	10.50	330	659719	99.29	ng		0.00
45) 2-Fluorobiphenyl	9.05	172	2550028	60.75	ng		0.00
79) Terphenyl-d14	12.77	244	2784442	54.06	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.36	88	238142	23.215	ng		98
3) Pyridine	3.05	79	599428	20.079	ng		99
4) n-Nitrosodimethylamine	2.98	42	231079	19.127	ng		93
6) Aniline	6.35	93	810068	20.819	ng		99
8) 2-Chlorophenol	6.47	128	555318	22.495	ng		97
9) Benzaldehyde	6.23	77	466605	31.747	ng		98
10) Phenol	6.34	94	688654	22.131	ng		96
11) bis(2-Chloroethyl)ether	6.43	93	514959	21.635	ng		99
12) 1,3-Dichlorobenzene	6.63	146	619635	22.031	ng		99
13) 1,4-Dichlorobenzene	6.71	146	624473	22.132	ng		98
14) 1,2-Dichlorobenzene	6.86	146	587020	22.852	ng		98
15) Benzyl Alcohol	6.83	79	452521	22.333	ng		100
16) 2,2'-oxybis(1-Chloropropan	6.97	45	735665	20.151	ng		100
17) 2-Methylphenol	6.95	107	442711	21.203	ng		99
18) Hexachloroethane	7.21	117	221275	20.713	ng		95
19) n-Nitroso-di-n-propylamine	7.11	70	366672	20.622	ng		100
20) 3+4-Methylphenols	7.10	107	546154	22.240	ng		95
22) Acetophenone	7.10	105	766001	25.071	ng	#	98
24) Nitrobenzene	7.27	77	555454	22.750	ng		99
25) Isophorone	7.52	82	998533	21.648	ng		99
26) 2-Nitrophenol	7.59	139	264021	22.215	ng		98
27) 2,4-Dimethylphenol	7.63	122	497274	25.159	ng		97
28) bis(2-Chloroethoxy)methane	7.73	93	644060	21.934	ng		98
29) 2,4-Dichlorophenol	7.83	162	462278	22.978	ng		99
30) 1,2,4-Trichlorobenzene	7.92	180	523579	22.843	ng		100
31) Naphthalene	8.00	128	1582565	23.960	ng		97
32) Benzoic acid	7.73	122	292029	22.747	ng		95
33) 4-Chloroaniline	8.04	127	684135	21.740	ng		99
34) Hexachlorobutadiene	8.12	225	283602	22.273	ng		98
35) Caprolactam	8.39	113	143282	21.104	ng		97
36) 4-Chloro-3-methylphenol	8.52	107	459422	22.771	ng		98
37) 2-Methylnaphthalene	8.69	142	1076266	24.524	ng		98
38) 1-Methylnaphthalene	8.78	142	1021648	24.571	ng		98
40) 1,2,4,5-Tetrachlorobenzene	8.85	216	491368	26.459	ng		100

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Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Hexachlorocyclopentadiene	8.85	237	304686	24.828 ng	98
43) 2,4,6-Trichlorophenol	8.96	196	325805	22.297 ng	98
44) 2,4,5-Trichlorophenol	8.99	196	343144	23.533 ng	98
46) 1,1'-Biphenyl	9.15	154	1345406	25.991 ng	98
47) 2-Chloronaphthalene	9.17	162	1017968	23.974 ng	98
48) 2-Nitroaniline	9.26	65	274856	20.976 ng	99
49) Acenaphthylene	9.58	152	1585411	24.168 ng	99
50) Dimethylphthalate	9.45	163	1139771	23.456 ng	100
51) 2,6-Dinitrotoluene	9.50	165	256001	22.673 ng	95
52) Acenaphthene	9.75	154	971410	24.146 ng	99
53) 3-Nitroaniline	9.66	138	289778	20.970 ng	96
54) 2,4-Dinitrophenol	9.77	184	83238	18.690 ng	97
55) Dibenzofuran	9.92	168	1391104	24.292 ng	99
56) 4-Nitrophenol	9.82	139	224455	21.918 ng	91
57) 2,4-Dinitrotoluene	9.90	165	330100	22.780 ng	91
58) Fluorene	10.26	166	1005979	26.017 ng	100
59) 2,3,4,6-Tetrachlorophenol	10.04	232	287755	24.109 ng	100
60) Diethylphthalate	10.15	149	1129780	22.764 ng	98
61) 4-Chlorophenyl-phenylether	10.26	204	494259	25.549 ng	96
62) 4-Nitroaniline	10.27	138	271652	20.173 ng	97
63) Azobenzene	10.42	77	1057789	23.215 ng	97
65) 4,6-Dinitro-2-methylphenol	10.30	198	120320	20.341 ng	84
66) n-Nitrosodiphenylamine	10.37	169	965082	24.487 ng	99
67) 4-Bromophenyl-phenylether	10.75	248	324256	22.667 ng	97
68) Hexachlorobenzene	10.81	284	351385	22.678 ng	97
69) Atrazine	10.90	200	299385	24.109 ng	100
70) Pentachlorophenol	11.00	266	199076	22.289 ng	98
71) Phenanthrene	11.22	178	1571910	23.100 ng	97
72) Anthracene	11.27	178	1634536	23.733 ng	99
73) Carbazole	11.42	167	1428585	23.602 ng	98
74) Di-n-butylphthalate	11.77	149	1747850	23.767 ng	97
75) Fluoranthene	12.40	202	1622478	23.026 ng	97
77) Benzidine	12.52	184	953825	23.917 ng	98
78) Pyrene	12.62	202	1649865	20.138 ng	98
80) Butylbenzylphthalate	13.25	149	744768	18.089 ng	96
81) Benzo(a)anthracene	13.80	228	1474254	19.809 ng	98
82) 3,3'-Dichlorobenzidine	13.77	252	593067	20.634 ng	97
83) Chrysene	13.84	228	1468789	20.656 ng	97
84) Bis(2-ethylhexyl)phthalate	13.82	149	1014645	19.933 ng	99
85) Di-n-octyl phthalate	14.43	149	1737854	19.650 ng	97
86) Indeno(1,2,3-cd)pyrene	16.53	276	1472649	20.678 ng	100
88) Benzo(b)fluoranthene	14.82	252	1507755	21.835 ng	98
89) Benzo(k)fluoranthene	14.85	252	1421032	23.676 ng	97
90) Benzo(a)pyrene	15.15	252	1399820	23.075 ng	99
91) Dibenzo(a,h)anthracene	16.55	278	1244417	23.215 ng	98
92) Benzo(g,h,i)perylene	16.92	276	1184204	22.761 ng	99

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

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