Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG072919\
Data File : BG041788.D
Acq On : 29 Jul 2019 14:27
Operator : HP/JU
Sample : K3591-01
Misc : LOD-SOIL-8PPM
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2019

Manual Integrations APPROVED
mohammad
7/30/2019 4:52:26 PM

Quant Time: Jul 30 07:46:52 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG072719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jul 29 12:47:21 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.06	152	92945	20.00	ng		0.02
21) Naphthalene-d8	10.88	136	398284	20.00	ng		0.00
39) Acenaphthene-d10	14.71	164	295513	20.00	ng		0.00
64) Phenanthrene-d10	17.46	188	664929	20.00	ng		0.00
76) Chrysene-d12	21.74	240	674512	20.00	ng		0.00
87) Perylene-d12	25.02	264	764791	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.61	112	485055	101.54	ng		0.02
7) Phenol-d6	7.21	99	652172	101.26	ng		0.02
23) Nitrobenzene-d5	9.23	82	489649	84.60	ng		0.02
42) 2,4,6-Tribromophenol	16.20	330	350177	104.32	ng		0.00
45) 2-Fluorobiphenyl	13.33	172	1359475	81.14	ng		0.00
79) Terphenyl-d14	20.07	244	2155607	73.13	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.49	88	18853	8.385	ng		93
3) Pyridine	3.89	79	39172	6.353	ng		92
4) n-Nitrosodimethylamine	3.80	42	17057	6.978	ng	#	86
6) Aniline	7.37	93	68982	7.607	ng		95
8) 2-Chlorophenol	7.62	128	44757	8.182	ng		97
9) Benzaldehyde	7.19	77	39772	8.776	ng		97
10) Phenol	7.23	94	52333	7.811	ng		97
11) bis(2-Chloroethyl)ether	7.47	93	42358	7.690	ng		93
12) 1,3-Dichlorobenzene	7.96	146	52374	7.336	ng		95
13) 1,4-Dichlorobenzene	8.10	146	52415	7.337	ng		98
14) 1,2-Dichlorobenzene	8.42	146	51021	7.485	ng		96
15) Benzyl Alcohol	8.29	79	37986	7.497	ng		96
16) 2,2'-oxybis(1-Chloropropan	8.59	45	73836	7.534	ng		98
17) 2-Methylphenol	8.50	107	36403	7.471	ng		96
18) Hexachloroethane	9.16	117	17829	7.288	ng		89
19) n-Nitroso-di-n-propylamine	8.87	70	36549	7.817	ng		92
20) 3+4-Methylphenols	8.83	107	49877	7.480	ng		93
22) Acetophenone	8.88	105	72087	8.092	ng	#	90
24) Nitrobenzene	9.27	77	50849	8.340	ng		97
25) Isophorone	9.80	82	99426	7.897	ng		98
26) 2-Nitrophenol	9.98	139	22284	7.875	ng		90
27) 2,4-Dimethylphenol	10.04	122	44874	8.985	ng		98
28) bis(2-Chloroethoxy)methane	10.28	93	62384	7.929	ng		96
29) 2,4-Dichlorophenol	10.52	162	46761	7.688	ng		90
30) 1,2,4-Trichlorobenzene	10.75	180	58661	7.606	ng		96
31) Naphthalene	10.94	128	149343	8.193	ng		96
32) Benzoic acid	10.12	122	7027	10.340	ng		94
33) 4-Chloroaniline	11.03	127	65679	7.598	ng		95
34) Hexachlorobutadiene	11.23	225	37894	7.280	ng		93
35) Caprolactam	11.77	113	16737	7.918	ng	#	60
36) 4-Chloro-3-methylphenol	12.15	107	47895	7.943	ng		94
37) 2-Methylnaphthalene	12.54	142	121777	8.440	ng		99
38) 1-Methylnaphthalene	12.76	142	112483	8.226	ng		99
40) 1,2,4,5-Tetrachlorobenzene	12.91	216	73743	7.883	ng	#	98

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Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Hexachlorocyclopentadiene	12.89	237	40124	7.629	ng		100
43) 2,4,6-Trichlorophenol	13.14	196	42315	7.157	ng		96
44) 2,4,5-Trichlorophenol	13.21	196	46775	7.613	ng		92
46) 1,1'-Biphenyl	13.54	154	158316	8.334	ng		94
47) 2-Chloronaphthalene	13.58	162	125168	7.739	ng		98
48) 2-Nitroaniline	13.78	65	29236	7.127	ng		90
49) Acenaphthylene	14.43	152	206617	8.540	ng		95
50) Dimethylphthalate	14.15	163	169082	8.378	ng		98
51) 2,6-Dinitrotoluene	14.27	165	34692	8.221	ng		87
52) Acenaphthene	14.77	154	122073	7.758	ng		98
53) 3-Nitroaniline	14.60	138	33488	7.417	ng	#	89
54) 2,4-Dinitrophenol	14.81	184	9312	8.235	ng	#	77
55) Dibenzofuran	15.11	168	210137	8.731	ng		92
56) 4-Nitrophenol	14.90	139	23763	6.934	ng		88
57) 2,4-Dinitrotoluene	15.06	165	44261	7.626	ng		93
58) Fluorene	15.76	166	168074	8.702	ng		98
59) 2,3,4,6-Tetrachlorophenol	15.33	232	46167	7.587	ng	#	94
60) Diethylphthalate	15.52	149	164897	8.322	ng		95
61) 4-Chlorophenyl-phenylether	15.75	204	94864	8.045	ng		95
62) 4-Nitroaniline	15.76	138	37726	7.715	ng		97
63) Azobenzene	16.05	77	135811	8.391	ng		95
65) 4,6-Dinitro-2-methylphenol	15.82	198	19965	12.111	ng		84
66) n-Nitrosodiphenylamine	15.96	169	153999	8.502	ng		94
67) 4-Bromophenyl-phenylether	16.65	248	62801	7.667	ng		96
68) Hexachlorobenzene	16.77	284	64681	7.548	ng		94
69) Atrazine	16.90	200	56683	7.965	ng		99
70) Pentachlorophenol	17.11	266	29464	6.053	ng		92
71) Phenanthrene	17.50	178	280733	8.808	ng		93
72) Anthracene	17.59	178	286210m	9.004	ng		
73) Carbazole	17.86	167	246895	8.654	ng		94
74) Di-n-butylphthalate	18.43	149	272315	8.419	ng	#	92
75) Fluoranthene	19.51	202	351700	9.078	ng		89
77) Benzidine	19.68	184	169036	7.678	ng		97
78) Pyrene	19.87	202	365882	9.155	ng	#	88
80) Butylbenzylphthalate	20.76	149	114617	7.480	ng		91
81) Benzo(a)anthracene	21.72	228	346569m	8.684	ng		
82) 3,3'-Dichlorobenzidine	21.63	252	133863	8.355	ng	#	95
83) Chrysene	21.79	228	329110	8.603	ng		89
84) Bis(2-ethylhexyl)phthalate	21.64	149	170383	8.061	ng		96
85) Di-n-octyl phthalate	22.88	149	276798	7.782	ng	#	89
86) Indeno(1,2,3-cd)pyrene	28.76	276	375665	7.418	ng	#	89
88) Benzo(b)fluoranthene	23.98	252	335052	8.008	ng		93
89) Benzo(k)fluoranthene	24.04	252	346652	8.506	ng	#	92
90) Benzo(a)pyrene	24.86	252	333046	8.300	ng	#	93
91) Dibenzo(a,h)anthracene	28.83	278	316238	8.027	ng		95
92) Benzo(g,h,i)perylene	29.92	276	312769	7.946	ng	#	93

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

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