Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG052020\
Data File : BG045434.D
Acq On : 20 May 2020 13:36
Operator : CG/JU
Sample : L2182-03
Misc : MDL- 8PPM
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT2-2020

Manual Integrations APPROVED
mohammad
5/21/2020 10:23:19 AM

Quant Time: May 20 14:19:56 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG051520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 19 12:10:36 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.97	152	76213	20.00	ng		0.00
21) Naphthalene-d8	10.77	136	311824	20.00	ng		0.00
39) Acenaphthene-d10	14.61	164	232171	20.00	ng		0.00
64) Phenanthrene-d10	17.36	188	554570	20.00	ng		0.00
76) Chrysene-d12	21.62	240	558358	20.00	ng		0.00
87) Perylene-d12	24.77	264	587923	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.57	112	488753	125.33	ng		0.00
7) Phenol-d6	7.20	99	720651	129.83	ng		0.00
23) Nitrobenzene-d5	9.13	82	502375	87.85	ng		0.00
42) 2,4,6-Tribromophenol	16.11	330	431539	145.34	ng		0.00
45) 2-Fluorobiphenyl	13.24	172	1227916	89.71	ng		0.00
79) Terphenyl-d14	19.97	244	2275182	95.04	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.42	88	13406	6.93	ng		93
3) Pyridine	3.82	79	28408	5.27	ng		95
4) n-Nitrosodimethylamine	3.73	42	10818	6.14	ng	#	95
6) Aniline	7.30	93	51509	7.11	ng	#	91
8) 2-Chlorophenol	7.55	128	30839	7.21	ng		94
9) Benzaldehyde	7.10	77	28153	7.78	ng		98
10) Phenol	7.22	94	39500	6.90	ng		94
11) bis(2-Chloroethyl)ether	7.39	93	29891	6.70	ng		94
12) 1,3-Dichlorobenzene	7.86	146	34275	6.67	ng		97
13) 1,4-Dichlorobenzene	8.00	146	36092	7.12	ng		98
14) 1,2-Dichlorobenzene	8.32	146	34163	7.00	ng		96
15) Benzyl Alcohol	8.22	79	28789	6.28	ng		94
16) 2,2'-oxybis(1-Chloropropan	8.49	45	28980	6.84	ng		92
17) 2-Methylphenol	8.46	107	27889	6.51	ng	#	89
18) Hexachloroethane	9.05	117	12674	6.52	ng	#	88
19) n-Nitroso-di-n-propylamine	8.77	70	28076	7.31	ng		96
20) 3+4-Methylphenols	8.79	107	35946m	6.16	ng		
22) Acetophenone	8.79	105	51600	6.98	ng		93
24) Nitrobenzene	9.17	77	40783	6.66	ng		100
25) Isophorone	9.69	82	79248	7.04	ng		96
26) 2-Nitrophenol	9.89	139	18118	6.91	ng	#	86
27) 2,4-Dimethylphenol	9.98	122	30417	7.83	ng		89
28) bis(2-Chloroethoxy)methane	10.19	93	44325	7.51	ng		97
29) 2,4-Dichlorophenol	10.46	162	31387	6.84	ng		89
30) 1,2,4-Trichlorobenzene	10.64	180	36800	6.78	ng		98
31) Naphthalene	10.83	128	104685	7.20	ng		98
32) Benzoic acid	10.10	122	10908	13.29	ng		92
33) 4-Chloroaniline	10.94	127	41441	6.82	ng		92
34) Hexachlorobutadiene	11.12	225	25740	6.71	ng		93
35) Caprolactam	11.68	113	12686	7.53	ng		89
36) 4-Chloro-3-methylphenol	12.11	107	37568	7.26	ng		99
37) 2-Methylnaphthalene	12.44	142	81487	7.52	ng		98
38) 1-Methylnaphthalene	12.65	142	78338	7.66	ng	#	95
40) 1,2,4,5-Tetrachlorobenzene	12.81	216	46187	7.12	ng		99

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Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Hexachlorocyclopentadiene	12.79	237	20188	5.39	ng		98
43) 2,4,6-Trichlorophenol	13.06	196	29151	6.47	ng		90
44) 2,4,5-Trichlorophenol	13.16	196	33816	6.57	ng		97
46) 1,1'-Biphenyl	13.44	154	108145	7.58	ng		96
47) 2-Chloronaphthalene	13.49	162	81884	7.07	ng		99
48) 2-Nitroaniline	13.70	65	24447	6.42	ng		93
49) Acenaphthylene	14.33	152	143119	7.69	ng		97
50) Dimethylphthalate	14.06	163	123511	7.75	ng		99
51) 2,6-Dinitrotoluene	14.18	165	26769	7.45	ng		96
52) Acenaphthene	14.67	154	84088	6.75	ng		96
53) 3-Nitroaniline	14.52	138	23976	6.56	ng	#	86
54) 2,4-Dinitrophenol	14.73	184	4328	7.17	ng	#	72
55) Dibenzofuran	15.01	168	144832	7.83	ng		99
56) 4-Nitrophenol	14.90	139	16238	5.87	ng		92
57) 2,4-Dinitrotoluene	14.97	165	36725	7.06	ng		96
58) Fluorene	15.66	166	120599	7.94	ng		97
59) 2,3,4,6-Tetrachlorophenol	15.25	232	33712	7.44	ng	#	95
60) Diethylphthalate	15.43	149	129089	7.79	ng	#	93
61) 4-Chlorophenyl-phenylether	15.66	204	66276	7.62	ng		94
62) 4-Nitroaniline	15.69	138	27540	7.22	ng		82
63) Azobenzene	15.94	77	116985	7.57	ng		98
65) 4,6-Dinitro-2-methylphenol	15.74	198	17298	5.36	ng		90
66) n-Nitrosodiphenylamine	15.87	169	106266	7.98	ng		94
67) 4-Bromophenyl-phenylether	16.55	248	45232	7.53	ng		92
68) Hexachlorobenzene	16.67	284	50297	8.01	ng		97
69) Atrazine	16.82	200	42903	7.82	ng		99
70) Pentachlorophenol	17.03	266	8582	2.63	ng		96
71) Phenanthrene	17.40	178	203453	8.40	ng		99
72) Anthracene	17.49	178	210750	8.67	ng		99
73) Carbazole	17.77	167	191848	8.10	ng		96
74) Di-n-butylphthalate	18.32	149	229545	8.07	ng		97
75) Fluoranthene	19.41	202	260548	8.46	ng		99
77) Benzidine	19.59	184	109038	6.95	ng		96
78) Pyrene	19.77	202	269110	8.45	ng		97
80) Butylbenzylphthalate	20.66	149	102969	7.50	ng		96
81) Benzo(a)anthracene	21.59	228	258146	8.30	ng		99
82) 3,3'-Dichlorobenzidine	21.52	252	101253	8.30	ng		99
83) Chrysene	21.66	228	241630	8.08	ng		97
84) Bis(2-ethylhexyl)phthalate	21.51	149	147033	7.79	ng	#	97
85) Di-n-octyl phthalate	22.70	149	250224	7.71	ng		100
86) Indeno(1,2,3-cd)pyrene	28.35	276	297050	7.60	ng	#	79
88) Benzo(b)fluoranthene	23.77	252	252129m	8.00	ng		
89) Benzo(k)fluoranthene	23.84	252	252367	8.52	ng		96
90) Benzo(a)pyrene	24.62	252	236713	8.06	ng	#	99
91) Dibenzo(a,h)anthracene	28.41	278	243242	8.24	ng		95
92) Benzo(g,h,i)perylene	29.45	276	243844	8.26	ng		97

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

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