Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG030620\
Data File : BG044693.D
Acq On : 6 Mar 2020 11:59
Operator : CG/JU
Sample : L1161-01
Misc : LOD-MDL-SOIL 5PPM
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : LOD-MDL-SOIL-01-QT1-2020

Manual Integrations APPROVED
mohammad
3/9/2020 3:07:45 PM

Quant Time: Mar 07 04:53:03 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG030520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 05 17:42:35 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.06	152	70306	20.00	ng		0.00
21) Naphthalene-d8	10.87	136	282112	20.00	ng		0.00
39) Acenaphthene-d10	14.69	164	195684	20.00	ng		0.00
64) Phenanthrene-d10	17.44	188	455870	20.00	ng		0.00
76) Chrysene-d12	21.71	240	440972	20.00	ng		0.00
87) Perylene-d12	24.94	264	503177	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.62	112	608427	129.97	ng		0.00
7) Phenol-d6	7.21	99	902205	127.50	ng		0.00
23) Nitrobenzene-d5	9.22	82	626435	101.10	ng		0.00
42) 2,4,6-Tribromophenol	16.18	330	390103	145.13	ng		0.00
45) 2-Fluorobiphenyl	13.32	172	1324081	94.26	ng		0.00
79) Terphenyl-d14	20.06	244	2165791	87.67	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.53	88	9836	4.383	ng		94
3) Pyridine	3.93	79	24188	3.477	ng		92
4) n-Nitrosodimethylamine	3.84	42	11774	4.001	ng	#	67
6) Aniline	7.38	93	39601	4.467	ng		95
8) 2-Chlorophenol	7.63	128	20893	4.403	ng		87
9) Benzaldehyde	7.19	77	26794	6.451	ng		99
10) Phenol	7.24	94	29230	4.193	ng		92
11) bis(2-Chloroethyl)ether	7.47	93	23227	4.337	ng		95
12) 1,3-Dichlorobenzene	7.95	146	24431	4.330	ng		92
13) 1,4-Dichlorobenzene	8.09	146	24255m	4.302	ng		
14) 1,2-Dichlorobenzene	8.42	146	23339	4.380	ng		95
15) Benzyl Alcohol	8.29	79	23500	3.850	ng		94
16) 2,2'-oxybis(1-Chloropropan	8.59	45	40804	4.032	ng		98
17) 2-Methylphenol	8.49	107	19181	4.016	ng		97
18) Hexachloroethane	9.16	117	9385	4.151	ng		96
19) n-Nitroso-di-n-propylamine	8.86	70	22973	4.346	ng		96
20) 3+4-Methylphenols	8.82	107	28480	4.280	ng		97
22) Acetophenone	8.88	105	39991	4.856	ng	#	91
24) Nitrobenzene	9.26	77	31963	4.865	ng		96
25) Isophorone	9.79	82	64721	4.737	ng		98
26) 2-Nitrophenol	9.97	139	8568	3.988	ng		95
27) 2,4-Dimethylphenol	10.03	122	19469	4.542	ng		96
28) bis(2-Chloroethoxy)methane	10.27	93	34557	4.492	ng		97
29) 2,4-Dichlorophenol	10.51	162	20119	4.125	ng		90
30) 1,2,4-Trichlorobenzene	10.73	180	24973	4.408	ng		94
31) Naphthalene	10.92	128	74423	4.701	ng		96
32) Benzoic acid	10.08	122	3107	1.033	ng	#	79
33) 4-Chloroaniline	11.01	127	33365	4.576	ng		98
34) Hexachlorobutadiene	11.22	225	17090	4.415	ng	#	82
35) Caprolactam	11.75	113	8543	4.196	ng	#	82
36) 4-Chloro-3-methylphenol	12.13	107	25377	4.108	ng	#	90
37) 2-Methylnaphthalene	12.52	142	55371	4.635	ng		97
38) 1-Methylnaphthalene	12.74	142	52985m	4.691	ng		
40) 1,2,4,5-Tetrachlorobenzene	12.89	216	31799	5.006	ng		97

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Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Hexachlorocyclopentadiene	12.88	237	16552	4.456	ng		96
43) 2,4,6-Trichlorophenol	13.12	196	17203	3.906	ng		96
44) 2,4,5-Trichlorophenol	13.19	196	19888	4.403	ng	#	92
46) 1,1'-Biphenyl	13.53	154	76066	4.887	ng		97
47) 2-Chloronaphthalene	13.57	162	55522	4.677	ng		99
48) 2-Nitroaniline	13.75	65	16042	4.006	ng	#	84
49) Acenaphthylene	14.41	152	96827	5.091	ng		95
50) Dimethylphthalate	14.15	163	76542	4.705	ng		97
51) 2,6-Dinitrotoluene	14.25	165	12880	4.406	ng		95
52) Acenaphthene	14.76	154	55253	4.493	ng		95
53) 3-Nitroaniline	14.57	138	14035	4.166	ng	#	95
54) 2,4-Dinitrophenol	14.78	184	3380	2.490	ng	#	58
55) Dibenzofuran	15.09	168	88920	4.825	ng		99
56) 4-Nitrophenol	14.87	139	10792	4.117	ng		92
57) 2,4-Dinitrotoluene	15.04	165	16198	4.147	ng		97
58) Fluorene	15.74	166	74474	4.886	ng		92
59) 2,3,4,6-Tetrachlorophenol	15.31	232	17820	4.146	ng	#	94
60) Diethylphthalate	15.51	149	80668	4.638	ng		97
61) 4-Chlorophenyl-phenylether	15.74	204	38772	4.688	ng		97
62) 4-Nitroaniline	15.74	138	15379	4.145	ng		97
63) Azobenzene	16.03	77	93073	5.113	ng		97
65) 4,6-Dinitro-2-methylphenol	15.80	198	6586	3.536	ng		85
66) n-Nitrosodiphenylamine	15.94	169	65443	4.695	ng		96
67) 4-Bromophenyl-phenylether	16.63	248	24757	4.306	ng		92
68) Hexachlorobenzene	16.75	284	27338	4.404	ng		94
69) Atrazine	16.90	200	28301	5.254	ng		90
70) Pentachlorophenol	17.09	266	13124	3.726	ng		93
71) Phenanthrene	17.48	178	121587	4.864	ng		99
72) Anthracene	17.57	178	126541	5.140	ng		96
73) Carbazole	17.84	167	115202	4.886	ng		97
74) Di-n-butylphthalate	18.42	149	145813	4.910	ng	#	96
75) Fluoranthene	19.49	202	152212	5.038	ng		99
77) Benzidine	19.66	184	88274	5.015	ng		95
78) Pyrene	19.85	202	154713	4.600	ng		97
80) Butylbenzylphthalate	20.75	149	60974	4.061	ng		95
81) Benzo(a)anthracene	21.70	228	154373	4.668	ng		97
82) 3,3'-Dichlorobenzidine	21.61	252	61835	4.696	ng		99
83) Chrysene	21.76	228	146276	4.647	ng		97
84) Bis(2-ethylhexyl)phthalate	21.64	149	91532	4.372	ng		99
85) Di-n-octyl phthalate	22.86	149	153304	4.264	ng		100
86) Indeno(1,2,3-cd)pyrene	28.61	276	178097	4.284	ng		92
88) Benzo(b)fluoranthene	23.92	252	152124	4.442	ng		98
89) Benzo(k)fluoranthene	23.98	252	154112	4.801	ng		95
90) Benzo(a)pyrene	24.79	252	141960	4.451	ng		98
91) Dibenzo(a,h)anthracene	28.67	278	148765	4.677	ng	#	91
92) Benzo(g,h,i)perylene	29.73	276	147411	4.627	ng		94

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

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