Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102720\
Data File : BG047090.D
Acq On : 27 Oct 2020 11:42
Operator : CG/JU
Sample : L4214-01
Misc : LOD-MDL-SOIL 8ppm
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2020

Manual Integrations APPROVED
mohammad
10/28/2020 8:05:51 AM

Quant Time: Oct 27 12:48:32 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG102720.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 27 12:36:22 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	8.056	152	37355	20.00	ng		# 0.00
21) Naphthalene-d8	10.864	136	138787	20.00	ng		# 0.00
39) Acenaphthene-d10	14.683	164	106350	20.00	ng		0.00
64) Phenanthrene-d10	17.427	188	262040	20.00	ng		# 0.00
76) Chrysene-d12	21.698	240	331739	20.00	ng		# 0.00
86) Perylene-d12	24.930	264	334546	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.611	112	330753	156.96	ng		0.00
7) Phenol-d6	7.210	99	457151	150.02	ng		0.00
23) Nitrobenzene-d5	9.219	82	334087	115.28	ng		0.00
42) 2,4,6-Tribromophenol	16.170	330	260432	152.78	ng		0.00
45) 2-Fluorobiphenyl	13.308	172	838206	111.43	ng		0.00
79) Terphenyl-d14	20.036	244	1862311	109.16	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.496	88	8633	9.07	ng	#	93
3) Pyridine	3.902	79	22627	8.76	ng		96
4) n-Nitrosodimethylamine	3.814	42	12094	8.83	ng	#	61
6) Aniline	7.374	93	32110	8.92	ng		91
8) 2-Chlorophenol	7.615	128	18207	8.13	ng		75
9) Benzaldehyde	7.192	77	20034	11.73	ng		85
10) Phenol	7.233	94	23822	8.28	ng		70
11) bis(2-Chloroethyl)ether	7.468	93	19296	8.52	ng		93
12) 1,3-Dichlorobenzene	7.944	146	24266	8.50	ng	#	95
13) 1,4-Dichlorobenzene	8.091	146	24007	8.33	ng		88
14) 1,2-Dichlorobenzene	8.408	146	22233	8.14	ng		94
15) Benzyl Alcohol	8.291	79	19356	8.15	ng	#	89
16) 2,2'-oxybis(1-Chloropr...	8.584	45	28771	8.03	ng		94
17) 2-Methylphenol	8.490	107	16235	8.21	ng	#	85
18) Hexachloroethane	9.143	117	8793	8.14	ng		86
19) n-Nitroso-di-n-propyla...	8.855	70	15948	7.68	ng		95
20) 3+4-Methylphenols	8.819	107	21795	8.17	ng		91
22) Acetophenone	8.872	105	32557	8.71	ng	#	93
24) Nitrobenzene	9.254	77	27103	9.01	ng		92
25) Isophorone	9.777	82	47297	9.12	ng	#	92
26) 2-Nitrophenol	9.971	139	10341	7.92	ng	#	74
27) 2,4-Dimethylphenol	10.030	122	17996	10.09	ng		90
28) bis(2-Chloroethoxy)met...	10.265	93	26111	8.16	ng		95
29) 2,4-Dichlorophenol	10.512	162	20876	8.50	ng		94
30) 1,2,4-Trichlorobenzene	10.729	180	25629	8.47	ng		99
31) Naphthalene	10.917	128	65126	8.97	ng		99
32) Benzoic acid	10.100	122	6531m	4.63	ng		
33) 4-Chloroaniline	11.023	127	25835	8.18	ng		97
34) Hexachlorobutadiene	11.199	225	19421	8.56	ng		99
35) Caprolactam	11.757	113	7351	8.99	ng	#	79
36) 4-Chloro-3-methylphenol	12.133	107	20825	8.17	ng	#	86
37) 2-Methylnaphthalene	12.515	142	48908	8.68	ng		93
38) 1-Methylnaphthalene	12.733	142	45999	8.61	ng	#	91
40) 1,2,4,5-Tetrachloroben...	12.879	216	32546	8.38	ng	#	95
41) Hexachlorocyclopentadiene	12.862	237	18539	8.73	ng		98
43) 2,4,6-Trichlorophenol	13.120	196	18425	7.28	ng		97

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	13.191	196	20305	7.89	ng	#	93
46) 1,1'-Biphenyl	13.520	154	67349	8.37	ng		91
47) 2-Chloronaphthalene	13.561	162	52804	7.97	ng		96
48) 2-Nitroaniline	13.761	65	15405	7.13	ng	#	74
49) Acenaphthylene	14.407	152	78431	8.15	ng		99
50) Dimethylphthalate	14.131	163	72574	8.28	ng		97
51) 2,6-Dinitrotoluene	14.254	165	15433	8.45	ng		96
52) Acenaphthene	14.748	154	50762	8.08	ng		97
53) 3-Nitroaniline	14.577	138	13530	7.45	ng	#	91
54) 2,4-Dinitrophenol	14.795	184	5874	4.87	ng	#	72
55) Dibenzofuran	15.083	168	84671	8.40	ng		98
56) 4-Nitrophenol	14.883	139	9962	7.01	ng	#	55
57) 2,4-Dinitrotoluene	15.036	165	20711	7.89	ng	#	84
58) Fluorene	15.729	166	68223	8.38	ng		98
59) 2,3,4,6-Tetrachlorophenol	15.306	232	21167	7.75	ng		95
60) Diethylphthalate	15.488	149	75492	8.65	ng		95
61) 4-Chlorophenyl-phenyle...	15.723	204	40919	8.43	ng		98
62) 4-Nitroaniline	15.741	138	14924	7.65	ng	#	73
63) Azobenzene	16.011	77	66840	8.62	ng		90
65) 4,6-Dinitro-2-methylph...	15.805	198	12827	7.96	ng		94
66) n-Nitrosodiphenylamine	15.935	169	65132	8.66	ng		98
67) 4-Bromophenyl-phenylether	16.616	248	26924	7.81	ng		92
68) Hexachlorobenzene	16.740	284	29940	8.23	ng		98
69) Atrazine	16.875	200	26341	8.51	ng		98
70) Pentachlorophenol	17.080	266	13878	6.55	ng	#	76
71) Phenanthrene	17.474	178	123356	8.81	ng		97
72) Anthracene	17.562	178	126389	9.22	ng		96
73) Carbazole	17.832	167	110725	9.08	ng		96
74) Di-n-butylphthalate	18.385	149	140723	9.33	ng	#	97
75) Fluoranthene	19.478	202	167343	9.30	ng		96
77) Benzidine	19.654	184	76292	10.06	ng		97
78) Pyrene	19.842	202	177571	8.40	ng		96
80) Butylbenzylphthalate	20.717	149	62728	7.74	ng		92
81) Benzo(a)anthracene	21.675	228	186404	8.58	ng		95
82) 3,3'-Dichlorobenzidine	21.587	252	67670	8.59	ng		95
83) Chrysene	21.740	228	185045	8.94	ng		95
84) Bis(2-ethylhexyl)phtha...	21.575	149	89739	7.86	ng		91
85) Di-n-octyl phthalate	22.791	149	154094	8.03	ng	#	95
87) Indeno(1,2,3-cd)pyrene	28.596	276	197759	8.10	ng	#	87
88) Benzo(b)fluoranthene	23.896	252	179639	8.22	ng	#	97
89) Benzo(k)fluoranthene	23.966	252	181143	8.53	ng	#	94
90) Benzo(a)pyrene	24.771	252	163012	7.98	ng	#	97
91) Dibenzo(a,h)anthracene	28.661	278	160914	8.11	ng	#	92
92) Benzo(g,h,i)perylene	29.754	276	167976	8.52	ng	#	92

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

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