Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102820\
Data File : BG047105.D
Acq On : 28 Oct 2020 12:45
Operator : CG/JU
Sample : L4214-03
Misc : MDL-MDL-SOIL 8PPM
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT4-2020

Manual Integrations APPROVED
mohammad
10/29/2020 10:43:46 AM

Quant Time: Oct 28 13:19:25 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG102720.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 28 12:53:38 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	8.061	152	45886	20.00	ng		0.00
21) Naphthalene-d8	10.864	136	163945	20.00	ng		0.00
39) Acenaphthene-d10	14.689	164	122530	20.00	ng		0.00
64) Phenanthrene-d10	17.432	188	320336	20.00	ng		# 0.00
76) Chrysene-d12	21.698	240	366642	20.00	ng		# 0.00
86) Perylene-d12	24.930	264	368338	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.611	112	382782	147.88	ng		0.00
7) Phenol-d6	7.209	99	532508	142.26	ng		0.00
23) Nitrobenzene-d5	9.219	82	392971	114.79	ng		0.00
42) 2,4,6-Tribromophenol	16.175	330	316131	160.96	ng		0.00
45) 2-Fluorobiphenyl	13.308	172	982833	113.41	ng		0.00
79) Terphenyl-d14	20.041	244	2083375	110.49	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.490	88	10632	9.09	ng		94
3) Pyridine	3.901	79	24697	7.78	ng		88
4) n-Nitrosodimethylamine	3.807	42	14322	8.52	ng	#	74
6) Aniline	7.374	93	38019	8.59	ng		91
8) 2-Chlorophenol	7.620	128	22436	8.15	ng		95
9) Benzaldehyde	7.191	77	23776	11.34	ng	#	79
10) Phenol	7.233	94	28639	8.10	ng		75
11) bis(2-Chloroethyl)ether	7.473	93	22039	7.92	ng		92
12) 1,3-Dichlorobenzene	7.944	146	28114m	8.02	ng		
13) 1,4-Dichlorobenzene	8.096	146	29416	8.31	ng		98
14) 1,2-Dichlorobenzene	8.408	146	28754	8.57	ng		98
15) Benzyl Alcohol	8.284	79	23116	7.92	ng	#	80
16) 2,2'-oxybis(1-Chloropr...	8.578	45	33641	7.64	ng		94
17) 2-Methylphenol	8.490	107	19012	7.82	ng	#	87
18) Hexachloroethane	9.142	117	10335	7.79	ng		90
19) n-Nitroso-di-n-propyla...	8.854	70	20619	8.09	ng	#	90
20) 3+4-Methylphenols	8.819	107	24179	7.38	ng		90
22) Acetophenone	8.872	105	38675	8.76	ng	#	89
24) Nitrobenzene	9.260	77	30863	8.68	ng	#	82
25) Isophorone	9.783	82	54851	8.96	ng	#	91
26) 2-Nitrophenol	9.971	139	12751	8.27	ng	#	81
27) 2,4-Dimethylphenol	10.029	122	19382	9.20	ng		97
28) bis(2-Chloroethoxy)met...	10.264	93	31535	8.34	ng		92
29) 2,4-Dichlorophenol	10.511	162	24380	8.41	ng		93
30) 1,2,4-Trichlorobenzene	10.729	180	30710	8.59	ng		92
31) Naphthalene	10.917	128	75798	8.84	ng		99
32) Benzoic acid	10.094	122	7885m	4.73	ng		
33) 4-Chloroaniline	11.022	127	30406	8.15	ng	#	93
34) Hexachlorobutadiene	11.204	225	22918	8.55	ng		95
35) Caprolactam	11.763	113	7904	8.18	ng		96
36) 4-Chloro-3-methylphenol	12.133	107	25151	8.35	ng		97
37) 2-Methylnaphthalene	12.521	142	56965	8.56	ng		90
38) 1-Methylnaphthalene	12.738	142	53806	8.53	ng		98
40) 1,2,4,5-Tetrachloroben...	12.885	216	39033	8.72	ng		98
41) Hexachlorocyclopentadiene	12.861	237	19284	7.88	ng		95
43) 2,4,6-Trichlorophenol	13.126	196	22090	7.57	ng		94

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	13.190	196	23902	8.06	ng		97
46) 1,1'-Biphenyl	13.519	154	79182	8.54	ng		96
47) 2-Chloronaphthalene	13.566	162	62308	8.16	ng		97
48) 2-Nitroaniline	13.760	65	18791	7.55	ng	#	74
49) Acenaphthylene	14.407	152	93653	8.45	ng		98
50) Dimethylphthalate	14.130	163	88593	8.78	ng	#	98
51) 2,6-Dinitrotoluene	14.254	165	17659	8.39	ng	#	80
52) Acenaphthene	14.747	154	60056	8.30	ng		92
53) 3-Nitroaniline	14.583	138	16604	7.94	ng	#	73
54) 2,4-Dinitrophenol	14.794	184	8056	5.80	ng	#	87
55) Dibenzofuran	15.082	168	106314	9.15	ng	#	97
56) 4-Nitrophenol	14.888	139	12521	7.65	ng	#	64
57) 2,4-Dinitrotoluene	15.041	165	24994	8.27	ng	#	81
58) Fluorene	15.729	166	83398	8.89	ng		97
59) 2,3,4,6-Tetrachlorophenol	15.305	232	25711	8.17	ng	#	99
60) Diethylphthalate	15.493	149	88849	8.83	ng		97
61) 4-Chlorophenyl-phenyle...	15.723	204	47777	8.54	ng		98
62) 4-Nitroaniline	15.746	138	18039	8.03	ng	#	75
63) Azobenzene	16.016	77	83866	9.38	ng		91
65) 4,6-Dinitro-2-methylph...	15.805	198	15454	7.84	ng		82
66) n-Nitrosodiphenylamine	15.934	169	76837	8.36	ng		97
67) 4-Bromophenyl-phenylether	16.616	248	34001	8.07	ng		92
68) Hexachlorobenzene	16.733	284	34502	7.76	ng	#	94
69) Atrazine	16.874	200	31213	8.25	ng		99
70) Pentachlorophenol	17.080	266	18081	6.98	ng		94
71) Phenanthrene	17.474	178	146867	8.58	ng		95
72) Anthracene	17.562	178	150382	8.97	ng		97
73) Carbazole	17.832	167	130797	8.77	ng		99
74) Di-n-butylphthalate	18.384	149	161844	8.78	ng	#	97
75) Fluoranthene	19.477	202	203663	9.26	ng		96
77) Benzidine	19.653	184	83840	10.01	ng		98
78) Pyrene	19.841	202	207736	8.89	ng		95
80) Butylbenzylphthalate	20.717	149	67825	7.57	ng		92
81) Benzo(a)anthracene	21.680	228	212699	8.85	ng		94
82) 3,3'-Dichlorobenzidine	21.592	252	75607	8.68	ng		98
83) Chrysene	21.745	228	201212	8.80	ng		98
84) Bis(2-ethylhexyl)phtha...	21.580	149	100822	7.99	ng	#	94
85) Di-n-octyl phthalate	22.791	149	176115	8.30	ng	#	96
87) Indeno(1,2,3-cd)pyrene	28.608	276	223882	8.32	ng	#	76
88) Benzo(b)fluoranthene	23.901	252	204889	8.51	ng		95
89) Benzo(k)fluoranthene	23.966	252	198525	8.49	ng	#	97
90) Benzo(a)pyrene	24.771	252	179685	7.99	ng	#	97
91) Dibenzo(a,h)anthracene	28.678	278	182924	8.37	ng	#	93
92) Benzo(g,h,i)perylene	29.759	276	187842	8.65	ng	#	93

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

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