Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG070920\
Data File : BG045990.D
Acq On : 9 Jul 2020 11:05
Operator : CG/JU
Sample : L3216-03
Misc : MDL-MDL-SOIL-8PPM
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-03-QT3-2020

Manual Integrations APPROVED
mohammad
7/10/2020 11:47:00 AM

Quant Time: Jul 09 12:08:10 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG070620.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 07 09:58:42 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.01	152	146239	20.00	ng		0.00
21) Naphthalene-d8	10.80	136	605234	20.00	ng		0.00
39) Acenaphthene-d10	14.63	164	361512	20.00	ng		0.00
64) Phenanthrene-d10	17.37	188	740704	20.00	ng		0.00
76) Chrysene-d12	21.63	240	655647	20.00	ng		0.00
86) Perylene-d12	24.78	264	648550	20.00	ng		-0.02
System Monitoring Compounds							
5) 2-Fluorophenol	5.58	112	837723	92.90	ng		0.00
7) Phenol-d6	7.17	99	1237452	95.31	ng		0.00
23) Nitrobenzene-d5	9.16	82	880918	83.78	ng		0.00
42) 2,4,6-Tribromophenol	16.11	330	313931	93.57	ng		0.00
45) 2-Fluorobiphenyl	13.26	172	1705213	73.58	ng		0.00
79) Terphenyl-d14	19.98	244	1751322	59.45	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.52	88	33863	8.139	ng		99
3) Pyridine	3.90	79	75288	5.985	ng		93
4) n-Nitrosodimethylamine	3.82	42	31782	7.471	ng	#	98
6) Aniline	7.33	93	119174	7.175	ng		99
8) 2-Chlorophenol	7.57	128	69454	7.155	ng		99
9) Benzaldehyde	7.14	77	81130	9.863	ng		96
10) Phenol	7.19	94	94452	7.252	ng		98
11) bis(2-Chloroethyl)ether	7.42	93	76832	7.134	ng		99
12) 1,3-Dichlorobenzene	7.90	146	80484	7.193	ng		98
13) 1,4-Dichlorobenzene	8.04	146	78802	7.159	ng		98
14) 1,2-Dichlorobenzene	8.36	146	73745	6.961	ng		95
15) Benzyl Alcohol	8.23	79	68314	6.711	ng		96
16) 2,2'-oxybis(1-Chloropropan	8.53	45	99224	7.062	ng		94
17) 2-Methylphenol	8.44	107	62678	6.414	ng		97
18) Hexachloroethane	9.09	117	30173	7.124	ng		94
19) n-Nitroso-di-n-propylamine	8.80	70	65905	7.226	ng		95
20) 3+4-Methylphenols	8.76	107	84658	6.356	ng		94
22) Acetophenone	8.82	105	120170	7.432	ng	#	94
24) Nitrobenzene	9.20	77	89987	7.754	ng		98
25) Isophorone	9.72	82	173096	6.743	ng	#	98
26) 2-Nitrophenol	9.91	139	25255	6.676	ng	#	89
27) 2,4-Dimethylphenol	9.97	122	66333	7.260	ng		97
28) bis(2-Chloroethoxy)methane	10.21	93	102581	7.116	ng		98
29) 2,4-Dichlorophenol	10.45	162	60684	6.416	ng		98
30) 1,2,4-Trichlorobenzene	10.67	180	71243	6.798	ng		97
31) Naphthalene	10.85	128	229438	7.071	ng		99
32) Benzoic acid	10.03	122	22009m	4.448	ng		
33) 4-Chloroaniline	10.95	127	96772	6.675	ng		93
34) Hexachlorobutadiene	11.15	225	38889	6.355	ng		94
35) Caprolactam	11.69	113	22290	6.207	ng		91
36) 4-Chloro-3-methylphenol	12.06	107	70407	6.535	ng		99
37) 2-Methylnaphthalene	12.46	142	167106	7.245	ng		97
38) 1-Methylnaphthalene	12.68	142	158700m	7.291	ng		
40) 1,2,4,5-Tetrachlorobenzene	12.82	216	75151	7.374	ng		99

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Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Hexachlorocyclopentadiene	12.82	237	39579	6.545	ng		97
43) 2,4,6-Trichlorophenol	13.06	196	43902	6.370	ng		95
44) 2,4,5-Trichlorophenol	13.13	196	47802	6.134	ng		92
46) 1,1'-Biphenyl	13.46	154	213425	7.848	ng		98
47) 2-Chloronaphthalene	13.50	162	150094	6.995	ng		97
48) 2-Nitroaniline	13.69	65	39638	7.893	ng		94
49) Acenaphthylene	14.34	152	253510	7.323	ng		97
50) Dimethylphthalate	14.08	163	187664	6.917	ng	#	97
51) 2,6-Dinitrotoluene	14.19	165	33148	7.874	ng		90
52) Acenaphthene	14.69	154	147950	6.775	ng		97
53) 3-Nitroaniline	14.51	138	37862	7.258	ng	#	92
54) 2,4-Dinitrophenol	14.72	184	6720	4.525	ng		90
55) Dibenzofuran	15.03	168	233060	7.281	ng		94
56) 4-Nitrophenol	14.81	139	28503	6.448	ng		93
57) 2,4-Dinitrotoluene	14.97	165	40844	7.852	ng		96
58) Fluorene	15.67	166	189658	7.223	ng		99
59) 2,3,4,6-Tetrachlorophenol	15.25	232	41301m	6.865	ng		
60) Diethylphthalate	15.45	149	193935	6.816	ng		96
61) 4-Chlorophenyl-phenylether	15.67	204	87401	6.690	ng		98
62) 4-Nitroaniline	15.67	138	40311	7.189	ng		93
63) Azobenzene	15.96	77	221442	7.251	ng		98
65) 4,6-Dinitro-2-methylphenol	15.74	198	11257	5.189	ng		93
66) n-Nitrosodiphenylamine	15.88	169	161417	7.032	ng		99
67) 4-Bromophenyl-phenylether	16.56	248	52097	6.298	ng		98
68) Hexachlorobenzene	16.68	284	55934	6.738	ng		96
69) Atrazine	16.82	200	52320	7.710	ng		95
70) Pentachlorophenol	17.02	266	22945	4.971	ng		93
71) Phenanthrene	17.41	178	286117	7.307	ng		98
72) Anthracene	17.50	178	295129	7.427	ng		95
73) Carbazole	17.76	167	276050	6.930	ng	#	93
74) Di-n-butylphthalate	18.34	149	328207	6.818	ng	#	95
75) Fluoranthene	19.42	202	329187	7.272	ng		94
77) Benzidine	19.59	184	155711	8.306	ng		98
78) Pyrene	19.78	202	335783	7.503	ng		94
80) Butylbenzylphthalate	20.68	149	130382	6.165	ng		99
81) Benzo(a)anthracene	21.60	228	305757	7.092	ng		95
82) 3,3'-Dichlorobenzidine	21.52	252	110531	6.938	ng		99
83) Chrysene	21.67	228	285848	6.960	ng		97
84) Bis(2-ethylhexyl)phthalate	21.55	149	197134	6.421	ng		94
85) Di-n-octyl phthalate	22.75	149	324151	6.084	ng		99
87) Indeno(1,2,3-cd)pyrene	28.34	276	329731	6.950	ng		96
88) Benzo(b)fluoranthene	23.78	252	290958	7.067	ng		100
89) Benzo(k)fluoranthene	23.85	252	291178	7.480	ng		97
90) Benzo(a)pyrene	24.62	252	262781	6.788	ng		96
91) Dibenzo(a,h)anthracene	28.41	278	269346	7.038	ng		99
92) Benzo(g,h,i)perylene	29.45	276	272195	7.068	ng		99

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

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