Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG070820\
Data File : BG045977.D
Acq On : 8 Jul 2020 12:12
Operator : CG/JU
Sample : L3216-02
Misc : LOQ-SOIL-5PPM
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : LOQ-SOIL-02-QT3-2020

Manual Integrations APPROVED
mohammad
7/10/2020 11:45:36 AM

Quant Time: Jul 08 13:00:55 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG070620.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jul 08 12:06:39 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.00	152	140575	20.00	ng		0.00
21) Naphthalene-d8	10.80	136	574241	20.00	ng		0.00
39) Acenaphthene-d10	14.63	164	340180	20.00	ng		0.00
64) Phenanthrene-d10	17.37	188	702440	20.00	ng		0.00
76) Chrysene-d12	21.63	240	668557	20.00	ng		0.00
86) Perylene-d12	24.78	264	675411	20.00	ng		-0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.58	112	864116	99.68	ng		0.00
7) Phenol-d6	7.16	99	1263210	101.22	ng		0.00
23) Nitrobenzene-d5	9.16	82	824168	82.61	ng		0.00
42) 2,4,6-Tribromophenol	16.11	330	325511	103.10	ng		0.00
45) 2-Fluorobiphenyl	13.26	172	1615124	74.06	ng		0.00
79) Terphenyl-d14	19.99	244	1722148	57.33	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.52	88	20970	5.243	ng	#	91
3) Pyridine	3.91	79	47138	3.898	ng		97
4) n-Nitrosodimethylamine	3.82	42	19491	4.767	ng	#	91
6) Aniline	7.33	93	75075	4.702	ng		96
8) 2-Chlorophenol	7.57	128	42384	4.542	ng		94
9) Benzaldehyde	7.15	77	49802	6.298	ng		95
10) Phenol	7.19	94	58068	4.638	ng		95
11) bis(2-Chloroethyl)ether	7.42	93	48077	4.644	ng		98
12) 1,3-Dichlorobenzene	7.90	146	47281	4.396	ng		97
13) 1,4-Dichlorobenzene	8.05	146	49456	4.674	ng		97
14) 1,2-Dichlorobenzene	8.36	146	44161	4.337	ng		97
15) Benzyl Alcohol	8.23	79	42494	4.343	ng		95
16) 2,2'-oxybis(1-Chloropropan	8.54	45	59488	4.404	ng		97
17) 2-Methylphenol	8.44	107	39913	4.249	ng		98
18) Hexachloroethane	9.10	117	18834	4.626	ng		94
19) n-Nitroso-di-n-propylamine	8.81	70	40437	4.612	ng		99
20) 3+4-Methylphenols	8.76	107	51730	4.041	ng		92
22) Acetophenone	8.82	105	71941	4.690	ng	#	97
24) Nitrobenzene	9.20	77	57323	5.206	ng		98
25) Isophorone	9.73	82	104301	4.282	ng		98
26) 2-Nitrophenol	9.91	139	16578	4.619	ng		91
27) 2,4-Dimethylphenol	9.97	122	39572	4.565	ng		99
28) bis(2-Chloroethoxy)methane	10.21	93	63144	4.617	ng		98
29) 2,4-Dichlorophenol	10.44	162	35489	3.955	ng		89
30) 1,2,4-Trichlorobenzene	10.67	180	42722	4.296	ng		95
31) Naphthalene	10.85	128	141649	4.601	ng		100
32) Benzoic acid	10.02	122	13110m	2.793	ng		
33) 4-Chloroaniline	10.95	127	57758	4.199	ng		99
34) Hexachlorobutadiene	11.15	225	22901	3.944	ng		94
35) Caprolactam	11.69	113	12820	3.763	ng		88
36) 4-Chloro-3-methylphenol	12.07	107	41312	4.042	ng		97
37) 2-Methylnaphthalene	12.46	142	102615	4.689	ng		99
38) 1-Methylnaphthalene	12.67	142	96246	4.660	ng		98
40) 1,2,4,5-Tetrachlorobenzene	12.82	216	46940	4.895	ng		98

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Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Hexachlorocyclopentadiene	12.82	237	24117	4.238	ng		99
43) 2,4,6-Trichlorophenol	13.06	196	26978	4.160	ng		98
44) 2,4,5-Trichlorophenol	13.13	196	29615	4.039	ng		95
46) 1,1'-Biphenyl	13.46	154	131287	5.130	ng		94
47) 2-Chloronaphthalene	13.50	162	90271	4.471	ng		97
48) 2-Nitroaniline	13.69	65	23315	4.934	ng		96
49) Acenaphthylene	14.35	152	151360	4.646	ng		97
50) Dimethylphthalate	14.08	163	112780	4.418	ng		99
51) 2,6-Dinitrotoluene	14.19	165	19013	4.800	ng		96
52) Acenaphthene	14.69	154	90140	4.387	ng		98
53) 3-Nitroaniline	14.51	138	21684	4.417	ng	#	90
54) 2,4-Dinitrophenol	14.71	184	3564	2.551	ng	#	1
55) Dibenzofuran	15.02	168	139965	4.647	ng		96
56) 4-Nitrophenol	14.81	139	16593	3.989	ng		97
57) 2,4-Dinitrotoluene	14.97	165	21057	4.302	ng		92
58) Fluorene	15.67	166	113097	4.577	ng		99
59) 2,3,4,6-Tetrachlorophenol	15.25	232	23385	4.131	ng		90
60) Diethylphthalate	15.45	149	116541	4.353	ng		96
61) 4-Chlorophenyl-phenylether	15.67	204	54934	4.469	ng		96
62) 4-Nitroaniline	15.68	138	23995	4.548	ng		89
63) Azobenzene	15.96	77	136643	4.755	ng		97
65) 4,6-Dinitro-2-methylphenol	15.73	198	7205	3.502	ng		99
66) n-Nitrosodiphenylamine	15.88	169	97671	4.487	ng		99
67) 4-Bromophenyl-phenylether	16.56	248	33268	4.241	ng		96
68) Hexachlorobenzene	16.68	284	33697	4.280	ng		98
69) Atrazine	16.83	200	33274	5.170	ng		97
70) Pentachlorophenol	17.02	266	14031	3.206	ng		91
71) Phenanthrene	17.41	178	174374	4.696	ng		96
72) Anthracene	17.50	178	178802	4.744	ng		97
73) Carbazole	17.76	167	168611	4.463	ng	#	95
74) Di-n-butylphthalate	18.34	149	202726	4.441	ng		95
75) Fluoranthene	19.42	202	205565	4.788	ng		94
77) Benzidine	19.59	184	105775	5.533	ng		98
78) Pyrene	19.78	202	213114	4.670	ng		92
80) Butylbenzylphthalate	20.68	149	83158	3.856	ng		99
81) Benzo(a)anthracene	21.60	228	198652	4.519	ng		92
82) 3,3'-Dichlorobenzidine	21.52	252	75616	4.655	ng		91
83) Chrysene	21.67	228	189378	4.522	ng		95
84) Bis(2-ethylhexyl)phthalate	21.55	149	127722	4.080	ng	#	91
85) Di-n-octyl phthalate	22.75	149	212571	3.913	ng		99
87) Indeno(1,2,3-cd)pyrene	28.35	276	213746	4.326	ng		91
88) Benzo(b)fluoranthene	23.78	252	192514	4.490	ng		98
89) Benzo(k)fluoranthene	23.85	252	190960	4.710	ng		98
90) Benzo(a)pyrene	24.62	252	176307	4.373	ng		97
91) Dibenzo(a,h)anthracene	28.42	278	177358	4.450	ng		94
92) Benzo(g,h,i)perylene	29.45	276	177475	4.425	ng		97

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

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