Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG070720\
Data File : BG045966.D
Acq On : 7 Jul 2020 19:21
Operator : CG/JU
Sample : L3216-02
Misc : LOD-SOIL-10PPM
ALS Vial : 7 Sample Multiplier: 1

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

Manual Integrations APPROVED
mohammad
7/9/2020 10:55:38 AM

Quant Time: Jul 08 04:30:08 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 04:08:08 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.01	152	125197	20.00	ng		0.00
21) Naphthalene-d8	10.81	136	511070	20.00	ng		0.00
39) Acenaphthene-d10	14.63	164	304531	20.00	ng		0.00
64) Phenanthrene-d10	17.37	188	627518	20.00	ng		0.00
76) Chrysene-d12	21.63	240	568932	20.00	ng		0.00
86) Perylene-d12	24.78	264	579742	20.00	ng		-0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.59	112	1249708	161.87	ng		0.00
7) Phenol-d6	7.16	99	1763651	158.67	ng		0.00
23) Nitrobenzene-d5	9.16	82	1388859	156.42	ng		0.00
42) 2,4,6-Tribromophenol	16.12	330	501950	177.60	ng		0.00
45) 2-Fluorobiphenyl	13.26	172	2553694	130.80	ng		0.00
79) Terphenyl-d14	19.99	244	2968443	116.12	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.52	88	41277	11.589	ng	#	94
3) Pyridine	3.90	79	90051	8.361	ng		96
4) n-Nitrosodimethylamine	3.82	42	40080	11.006	ng	#	91
6) Aniline	7.33	93	144956	10.195	ng		97
8) 2-Chlorophenol	7.58	128	79645	9.583	ng		99
9) Benzaldehyde	7.14	77	96574	13.714	ng		98
10) Phenol	7.19	94	108827	9.761	ng		97
11) bis(2-Chloroethyl)ether	7.43	93	90472	9.813	ng		100
12) 1,3-Dichlorobenzene	7.90	146	94027	9.816	ng		100
13) 1,4-Dichlorobenzene	8.05	146	93877	9.962	ng		98
14) 1,2-Dichlorobenzene	8.36	146	85233	9.398	ng		96
15) Benzyl Alcohol	8.24	79	85767	9.841	ng		97
16) 2,2'-oxybis(1-Chloropropan	8.54	45	115824	9.628	ng		99
17) 2-Methylphenol	8.44	107	74259	8.876	ng		97
18) Hexachloroethane	9.10	117	36618	10.099	ng		88
19) n-Nitroso-di-n-propylamine	8.81	70	80960	10.368	ng		95
20) 3+4-Methylphenols	8.76	107	101401	8.893	ng		97
22) Acetophenone	8.82	105	139021	10.182	ng	#	96
24) Nitrobenzene	9.20	77	106305	10.847	ng		95
25) Isophorone	9.73	82	209031	9.643	ng		98
26) 2-Nitrophenol	9.91	139	31807	9.957	ng		95
27) 2,4-Dimethylphenol	9.97	122	81729	10.593	ng		96
28) bis(2-Chloroethoxy)methane	10.21	93	122141	10.034	ng	#	95
29) 2,4-Dichlorophenol	10.45	162	73334	9.182	ng		97
30) 1,2,4-Trichlorobenzene	10.67	180	81738	9.236	ng		96
31) Naphthalene	10.85	128	271086	9.895	ng		97
32) Benzoic acid	10.04	122	28184m	6.746	ng		
33) 4-Chloroaniline	10.95	127	114718	9.370	ng		98
34) Hexachlorobutadiene	11.15	225	46020	8.906	ng		94
35) Caprolactam	11.70	113	28907	9.532	ng		89
36) 4-Chloro-3-methylphenol	12.07	107	85399	9.388	ng		95
37) 2-Methylnaphthalene	12.46	142	196539	10.091	ng		100
38) 1-Methylnaphthalene	12.67	142	184576	10.042	ng		99
40) 1,2,4,5-Tetrachlorobenzene	12.83	216	88914	10.358	ng		99

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Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Hexachlorocyclopentadiene	12.82	237	51151	10.042	ng		98
43) 2,4,6-Trichlorophenol	13.06	196	55235	9.514	ng		97
44) 2,4,5-Trichlorophenol	13.13	196	58472	8.908	ng		97
46) 1,1'-Biphenyl	13.47	154	252588	11.026	ng		94
47) 2-Chloronaphthalene	13.51	162	175894	9.731	ng		98
48) 2-Nitroaniline	13.69	65	47172	11.151	ng		97
49) Acenaphthylene	14.35	152	300903	10.318	ng		98
50) Dimethylphthalate	14.08	163	220874	9.664	ng		98
51) 2,6-Dinitrotoluene	14.19	165	37165	10.480	ng		97
52) Acenaphthene	14.69	154	180655	9.821	ng		95
53) 3-Nitroaniline	14.52	138	41662	9.480	ng		97
54) 2,4-Dinitrophenol	14.72	184	9198	7.353	ng	#	61
55) Dibenzofuran	15.02	168	272660	10.112	ng		98
56) 4-Nitrophenol	14.81	139	34420	9.244	ng		89
57) 2,4-Dinitrotoluene	14.98	165	44296	10.109	ng	#	87
58) Fluorene	15.68	166	226295	10.230	ng		96
59) 2,3,4,6-Tetrachlorophenol	15.25	232	49461	9.759	ng	#	94
60) Diethylphthalate	15.45	149	230211	9.605	ng		96
61) 4-Chlorophenyl-phenylether	15.67	204	104020	9.452	ng		99
62) 4-Nitroaniline	15.68	138	46672	9.881	ng		92
63) Azobenzene	15.96	77	261494	10.165	ng		96
65) 4,6-Dinitro-2-methylphenol	15.74	198	15146	8.241	ng		96
66) n-Nitrosodiphenylamine	15.88	169	194589	10.007	ng		99
67) 4-Bromophenyl-phenylether	16.56	248	62260	8.884	ng		99
68) Hexachlorobenzene	16.68	284	67511	9.599	ng		96
69) Atrazine	16.83	200	65273	11.353	ng		95
70) Pentachlorophenol	17.02	266	33519	8.572	ng		96
71) Phenanthrene	17.42	178	342697	10.330	ng		96
72) Anthracene	17.50	178	357271	10.612	ng		95
73) Carbazole	17.77	167	326073	9.662	ng		96
74) Di-n-butylphthalate	18.35	149	405079	9.933	ng		96
75) Fluoranthene	19.42	202	397238	10.358	ng		96
77) Benzidine	19.59	184	209606	12.885	ng		99
78) Pyrene	19.78	202	410842	10.579	ng		92
80) Butylbenzylphthalate	20.68	149	167996	9.154	ng		99
81) Benzo(a)anthracene	21.61	228	376069	10.053	ng		93
82) 3,3'-Dichlorobenzidine	21.52	252	143538	10.384	ng		94
83) Chrysene	21.67	228	349706	9.813	ng		94
84) Bis(2-ethylhexyl)phthalate	21.55	149	254737	9.562	ng	#	94
85) Di-n-octyl phthalate	22.75	149	423588	9.163	ng		98
87) Indeno(1,2,3-cd)pyrene	28.36	276	413040	9.739	ng		98
88) Benzo(b)fluoranthene	23.79	252	366195	9.950	ng		98
89) Benzo(k)fluoranthene	23.85	252	366708	10.538	ng		98
90) Benzo(a)pyrene	24.63	252	336397	9.721	ng		96
91) Dibenzo(a,h)anthracene	28.43	278	343938	10.054	ng		98
92) Benzo(g,h,i)perylene	29.46	276	344109	9.996	ng		98

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

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