Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM071020\
Data File : BM026720.D
Acq On : 09 Jul 2020 15:47
Operator : JU/CG
Sample : L3216-03
Misc : MDL--SOIL-4PPM
ALS Vial : 10 Sample Multiplier: 1

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

Manual Integrations APPROVED
mohammad
7/10/2020 11:51:34 AM

Quant Time: Jul 09 16:20:59 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM070820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 09 11:30:08 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.32	152	58671	20.00	ng		0.00
21) Naphthalene-d8	10.08	136	257441	20.00	ng		0.00
39) Acenaphthene-d10	13.99	164	176233	20.00	ng		0.00
64) Phenanthrene-d10	16.74	188	413411	20.00	ng		0.00
76) Chrysene-d12	20.97	240	506592	20.00	ng		0.00
86) Perylene-d12	23.03	264	542926	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	4.96	112	527775	150.77	ng		0.00
7) Phenol-d6	6.53	99	765280	137.22	ng		0.00
23) Nitrobenzene-d5	8.47	82	444910	73.73	ng		0.00
42) 2,4,6-Tribromophenol	15.50	330	409063	159.34	ng		0.00
45) 2-Fluorobiphenyl	12.59	172	968072	73.04	ng		0.00
79) Terphenyl-d14	19.41	244	1484526	57.67	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.96	88	7738	4.601	ng		95
3) Pyridine	3.39	79	13761m	2.861	ng		
4) n-Nitrosodimethylamine	3.28	42	10100	3.508	ng	#	95
6) Aniline	6.67	93	23183	3.387	ng		97
8) 2-Chlorophenol	6.90	128	14685	3.522	ng		92
9) Benzaldehyde	6.50	77	17130	5.534	ng		92
10) Phenol	6.56	94	19451	3.529	ng		80
11) bis(2-Chloroethyl)ether	6.78	93	14976	3.249	ng		97
12) 1,3-Dichlorobenzene	7.22	146	15388	3.395	ng		96
13) 1,4-Dichlorobenzene	7.36	146	15894	3.445	ng		97
14) 1,2-Dichlorobenzene	7.67	146	16091	3.501	ng		95
15) Benzyl Alcohol	7.59	79	12278	2.573	ng	#	89
16) 2,2'-oxybis(1-Chloropropan	7.86	45	32171	3.382	ng		98
17) 2-Methylphenol	7.79	107	11421	2.726	ng		95
18) Hexachloroethane	8.37	117	6255	3.414	ng		94
19) n-Nitroso-di-n-propylamine	8.14	70	14734	3.175	ng		98
20) 3+4-Methylphenols	8.12	107	15009	2.606	ng		97
22) Acetophenone	8.15	105	24724	3.380	ng	#	88
24) Nitrobenzene	8.52	77	23738	3.739	ng		96
25) Isophorone	9.04	82	35309	3.051	ng		98
26) 2-Nitrophenol	9.22	139	6344	2.708	ng		91
27) 2,4-Dimethylphenol	9.30	122	11553	3.032	ng		95
28) bis(2-Chloroethoxy)methane	9.54	93	20387	3.189	ng		99
29) 2,4-Dichlorophenol	9.77	162	11045	2.632	ng		98
30) 1,2,4-Trichlorobenzene	9.96	180	15950	3.407	ng		93
31) Naphthalene	10.13	128	48041	3.355	ng		99
32) Benzoic acid	9.43	122	914m	7.335	ng		
33) 4-Chloroaniline	10.27	127	18612	2.971	ng		96
34) Hexachlorobutadiene	10.42	225	10240	3.303	ng		96
35) Caprolactam	11.05	113	3381	2.275	ng	#	91
36) 4-Chloro-3-methylphenol	11.41	107	14917	2.813	ng		96
37) 2-Methylnaphthalene	11.76	142	35611	3.357	ng		98
38) 1-Methylnaphthalene	11.98	142	33773	3.323	ng	#	98
40) 1,2,4,5-Tetrachlorobenzene	12.15	216	19915	3.496	ng		98

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Hexachlorocyclopentadiene	12.12	237	4230	7.341	ng		93
43) 2,4,6-Trichlorophenol	12.40	196	9604	2.573	ng		90
44) 2,4,5-Trichlorophenol	12.49	196	11389	2.597	ng		97
46) 1,1'-Biphenyl	12.80	154	51633	3.709	ng		95
47) 2-Chloronaphthalene	12.84	162	36226	3.221	ng		96
48) 2-Nitroaniline	13.07	65	10904	2.356	ng		93
49) Acenaphthylene	13.70	152	55893	3.109	ng		99
50) Dimethylphthalate	13.46	163	49448	3.280	ng		98
51) 2,6-Dinitrotoluene	13.58	165	9303	2.882	ng		93
52) Acenaphthene	14.05	154	35257	3.227	ng		99
53) 3-Nitroaniline	13.92	138	7273	2.166	ng		94
54) 2,4-Dinitrophenol	14.16	184	1506m	6.890	ng		
55) Dibenzofuran	14.39	168	58951	3.291	ng		100
56) 4-Nitrophenol	14.29	139	3097m	4.919	ng		
57) 2,4-Dinitrotoluene	14.39	165	11164	2.396	ng	#	81
58) Fluorene	15.04	166	47212	3.183	ng		99
59) 2,3,4,6-Tetrachlorophenol	14.64	232	11387m	2.973	ng		
60) Diethylphthalate	14.85	149	48368	3.035	ng		97
61) 4-Chlorophenyl-phenylether	15.05	204	25963	3.231	ng		96
62) 4-Nitroaniline	15.10	138	6286	4.638	ng		89
63) Azobenzene	15.34	77	51864	2.962	ng		95
65) 4,6-Dinitro-2-methylphenol	15.17	198	4991	6.024	ng		91
66) n-Nitrosodiphenylamine	15.27	169	40382	3.074	ng		99
67) 4-Bromophenyl-phenylether	15.95	248	15541	3.020	ng		97
68) Hexachlorobenzene	16.06	284	17283	3.191	ng		95
69) Atrazine	16.24	200	13882	3.514	ng		96
70) Pentachlorophenol	16.42	266	6034	1.969	ng		94
71) Phenanthrene	16.79	178	80611	3.303	ng		100
72) Anthracene	16.88	178	75818	3.121	ng		97
73) Carbazole	17.17	167	64993	2.806	ng		98
74) Di-n-butylphthalate	17.74	149	78740	2.703	ng		99
75) Fluoranthene	18.82	202	95206	3.167	ng		99
77) Benzidine	19.03	184	26258	2.629	ng	#	95
78) Pyrene	19.19	202	100620	3.153	ng		99
80) Butylbenzylphthalate	20.13	149	35690	2.492	ng		95
81) Benzo(a)anthracene	20.95	228	114955	3.378	ng		99
82) 3,3'-Dichlorobenzidine	20.90	252	34730	3.216	ng		99
83) Chrysene	21.00	228	111943	3.380	ng		97
84) Bis(2-ethylhexyl)phthalate	20.92	149	57209	2.494	ng		99
85) Di-n-octyl phthalate	21.76	149	96756	2.467	ng		96
87) Indeno(1,2,3-cd)pyrene	25.04	276	125888	3.257	ng		99
88) Benzo(b)fluoranthene	22.43	252	110891m	3.100	ng		
89) Benzo(k)fluoranthene	22.47	252	119467	3.405	ng		99
90) Benzo(a)pyrene	22.95	252	101988	3.071	ng		98
91) Dibenzo(a,h)anthracene	25.05	278	107641	3.299	ng		99
92) Benzo(g,h,i)perylene	25.65	276	105497	3.509	ng		98

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

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