Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM092319\
Data File : BM022746.D
Acq On : 23 Sep 2019 18:24
Operator : HP/JU
Sample : K3591-03
Misc : MDL-S-8PPM
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : MDL-MDL-SOIL-03-QT3-2019

Quant Time: Sep 24 07:08:55 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM092019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 24 07:00:32 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.82	152	169994	20.00	ng		0.00
21) Naphthalene-d8	10.62	136	746896	20.00	ng		0.00
39) Acenaphthene-d10	14.46	164	476602	20.00	ng		0.00
64) Phenanthrene-d10	17.20	188	1006289	20.00	ng		0.00
76) Chrysene-d12	21.37	240	1105404	20.00	ng		0.00
87) Perylene-d12	23.65	264	1271286	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.40	112	1012492	94.46	ng		0.00
7) Phenol-d6	6.99	99	1367784	99.35	ng		0.00
23) Nitrobenzene-d5	8.97	82	1012786	75.27	ng		0.00
42) 2,4,6-Tribromophenol	15.94	330	588534	98.92	ng		0.00
45) 2-Fluorobiphenyl	13.08	172	2563699	74.07	ng		0.00
79) Terphenyl-d14	19.82	244	4228271	74.07	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.32	88	35301	8.185	ng	#	100
3) Pyridine	3.74	79	78013	6.862	ng		96
4) n-Nitrosodimethylamine	3.64	42	32416	7.833	ng	#	95
6) Aniline	7.15	93	134656	8.157	ng		99
8) 2-Chlorophenol	7.39	128	90093	8.250	ng		97
9) Benzaldehyde	6.96	77	76024	9.698	ng		98
10) Phenol	7.01	94	110538	8.529	ng		96
11) bis(2-Chloroethyl)ether	7.25	93	83269	8.177	ng		98
12) 1,3-Dichlorobenzene	7.72	146	99687	7.637	ng		98
13) 1,4-Dichlorobenzene	7.86	146	102559	7.761	ng		98
14) 1,2-Dichlorobenzene	8.17	146	96494	7.660	ng		99
15) Benzyl Alcohol	8.06	79	72354	8.399	ng		97
16) 2,2'-oxybis(1-Chloropropan	8.36	45	126926	8.581	ng		99
17) 2-Methylphenol	8.26	107	68948	8.037	ng		97
18) Hexachloroethane	8.90	117	34233	7.063	ng		95
19) n-Nitroso-di-n-propylamine	8.63	70	65122	8.471	ng		97
20) 3+4-Methylphenols	8.59	107	92547	8.099	ng		99
22) Acetophenone	8.65	105	137713	7.470	ng	#	99
24) Nitrobenzene	9.02	77	105235	8.174	ng		98
25) Isophorone	9.55	82	169058	7.642	ng		98
26) 2-Nitrophenol	9.73	139	32146	5.784	ng		97
27) 2,4-Dimethylphenol	9.79	122	70471	7.574	ng		97
28) bis(2-Chloroethoxy)methane	10.03	93	120023	7.840	ng		100
29) 2,4-Dichlorophenol	10.26	162	75055	7.135	ng		98
30) 1,2,4-Trichlorobenzene	10.48	180	93133	7.196	ng		100
31) Naphthalene	10.66	128	293569	7.955	ng		99
32) Benzoic acid	9.85	122	22724	3.795	ng		99
33) 4-Chloroaniline	10.77	127	125498	7.832	ng		98
34) Hexachlorobutadiene	10.96	225	51710	6.703	ng		96
35) Caprolactam	11.54	113	21206	6.800	ng		99
36) 4-Chloro-3-methylphenol	11.89	107	81528	7.944	ng		99
37) 2-Methylnaphthalene	12.28	142	207298	8.070	ng		100
38) 1-Methylnaphthalene	12.50	142	195060	7.999	ng		99
40) 1,2,4,5-Tetrachlorobenzene	12.65	216	103390	6.402	ng		99

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Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Hexachlorocyclopentadiene	12.63	237	48246	5.476	ng		99
43) 2,4,6-Trichlorophenol	12.89	196	58837	6.312	ng		100
44) 2,4,5-Trichlorophenol	12.96	196	67405	6.940	ng		99
46) 1,1'-Biphenyl	13.29	154	278557	7.062	ng		99
47) 2-Chloronaphthalene	13.33	162	214879	7.309	ng		99
48) 2-Nitroaniline	13.53	65	45655	5.964	ng		93
49) Acenaphthylene	14.18	152	324119	7.445	ng		99
50) Dimethylphthalate	13.91	163	261775	7.600	ng		100
51) 2,6-Dinitrotoluene	14.02	165	48567	6.741	ng	#	88
52) Acenaphthene	14.52	154	213866	7.509	ng		98
53) 3-Nitroaniline	14.35	138	50079	6.038	ng	#	94
54) 2,4-Dinitrophenol	14.56	184	17443	5.128	ng		99
55) Dibenzofuran	14.86	168	337836	8.124	ng		99
56) 4-Nitrophenol	14.65	139	42325	6.639	ng		95
57) 2,4-Dinitrotoluene	14.81	165	58465	6.194	ng		89
58) Fluorene	15.50	166	267376	7.913	ng		100
59) 2,3,4,6-Tetrachlorophenol	15.08	232	58130	6.862	ng		97
60) Diethylphthalate	15.28	149	252660	7.544	ng		98
61) 4-Chlorophenyl-phenylether	15.50	204	132639	7.640	ng		97
62) 4-Nitroaniline	15.51	138	57304	6.590	ng		99
63) Azobenzene	15.79	77	234826	7.764	ng		98
65) 4,6-Dinitro-2-methylphenol	15.57	198	26881	5.704	ng		98
66) n-Nitrosodiphenylamine	15.71	169	227613	7.404	ng		99
67) 4-Bromophenyl-phenylether	16.39	248	75339	6.731	ng		98
68) Hexachlorobenzene	16.51	284	89941	6.891	ng		98
69) Atrazine	16.66	200	67055	6.710	ng		98
70) Pentachlorophenol	16.84	266	42125	6.052	ng		98
71) Phenanthrene	17.24	178	434820	7.658	ng		100
72) Anthracene	17.33	178	408230	7.418	ng		99
73) Carbazole	17.59	167	390993	7.635	ng		99
74) Di-n-butylphthalate	18.16	149	378666	6.522	ng		99
75) Fluoranthene	19.25	202	487824	7.614	ng		99
77) Benzidine	19.43	184	198175	6.535	ng		100
78) Pyrene	19.61	202	514749	7.106	ng		99
80) Butylbenzylphthalate	20.52	149	160305	5.823	ng		94
81) Benzo(a)anthracene	21.36	228	534186	7.456	ng		99
82) 3,3'-Dichlorobenzidine	21.29	252	180003	7.085	ng	#	99
83) Chrysene	21.41	228	529018	7.617	ng		99
84) Bis(2-ethylhexyl)phthalate	21.29	149	253827	6.222	ng		98
85) Di-n-octyl phthalate	22.18	149	399859	6.150	ng		97
86) Indeno(1,2,3-cd)pyrene	25.95	276	677300	8.170	ng	#	100
88) Benzo(b)fluoranthene	22.96	252	571745	7.428	ng		99
89) Benzo(k)fluoranthene	23.00	252	537817	7.042	ng		99
90) Benzo(a)pyrene	23.54	252	529575	7.466	ng		99
91) Dibenzo(a,h)anthracene	25.97	278	575225	7.753	ng		98
92) Benzo(g,h,i)perylene	26.66	276	555029	7.877	ng		99

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

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