Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM092419\
Data File : BM022765.D
Acq On : 25 Sep 2019 00:30
Operator : JU
Sample : K4980-04MS
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SAND-STOCKPILE-1MS

Manual Integrations APPROVED
mohammad
9/26/2019 8:25:46 AM

Quant Time: Sep 25 04:59:48 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM092019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Sep 20 16:34:01 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.82	152	245451	20.00	ng	0.00
21) Naphthalene-d8	10.62	136	892864	20.00	ng	0.00
39) Acenaphthene-d10	14.46	164	473746	20.00	ng	0.00
64) Phenanthrene-d10	17.19	188	860238	20.00	ng	0.00
76) Chrysene-d12	21.37	240	844001	20.00	ng	-0.01
87) Perylene-d12	23.64	264	1034979	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	1467389	94.81	ng	0.00
7) Phenol-d6	6.99	99	1936644	97.43	ng	0.00
23) Nitrobenzene-d5	8.97	82	1081633	67.25	ng	0.00
42) 2,4,6-Tribromophenol	15.94	330	600751	101.58	ng	0.00
45) 2-Fluorobiphenyl	13.08	172	2412689	70.13	ng	0.00
79) Terphenyl-d14	19.82	244	2902596	66.59	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.32	88	168025	26.981	ng	# 100
3) Pyridine	3.72	79	416264	25.359	ng	100
4) n-Nitrosodimethylamine	3.62	42	199708	33.421	ng	# 95
6) Aniline	7.15	93	603429	25.317	ng	99
8) 2-Chlorophenol	7.39	128	561764	35.626	ng	99
9) Benzaldehyde	6.96	77	365715	32.312	ng	100
10) Phenol	7.02	94	677905	36.225	ng	99
11) bis(2-Chloroethyl)ether	7.25	93	500795	34.061	ng	99
12) 1,3-Dichlorobenzene	7.71	146	620872	32.944	ng	100
13) 1,4-Dichlorobenzene	7.86	146	626078	32.814	ng	100
14) 1,2-Dichlorobenzene	8.17	146	594031	32.657	ng	99
15) Benzyl Alcohol	8.06	79	434765	34.954	ng	99
16) 2,2'-oxybis(1-Chloropropan	8.35	45	669177	31.331	ng	99
17) 2-Methylphenol	8.26	107	432272	34.898	ng	99
18) Hexachloroethane	8.90	117	225045	32.159	ng	100
19) n-Nitroso-di-n-propylamine	8.63	70	373549	33.653	ng	99
20) 3+4-Methylphenols	8.59	107	576234	34.926	ng	99
22) Acetophenone	8.64	105	750257	34.042	ng	99
24) Nitrobenzene	9.02	77	551861	35.859	ng	99
25) Isophorone	9.55	82	982204	37.138	ng	99
26) 2-Nitrophenol	9.73	139	267952	40.332	ng	98
27) 2,4-Dimethylphenol	9.79	122	481232	43.267	ng	99
28) bis(2-Chloroethoxy)methane	10.02	93	645492	35.270	ng	100
29) 2,4-Dichlorophenol	10.26	162	489232	38.906	ng	99
30) 1,2,4-Trichlorobenzene	10.48	180	553704	35.789	ng	99
31) Naphthalene	10.66	128	1653724	37.485	ng	100
32) Benzoic acid	9.90	122	205713	28.647	ng	95
33) 4-Chloroaniline	10.77	127	359728	18.780	ng	100
34) Hexachlorobutadiene	10.96	225	331372	35.931	ng	99
35) Caprolactam	11.55	113	131825m	35.361	ng	
36) 4-Chloro-3-methylphenol	11.89	107	455316	37.113	ng	98
37) 2-Methylnaphthalene	12.27	142	1162803	37.866	ng	99
38) 1-Methylnaphthalene	12.50	142	1078173	36.988	ng	98
40) 1,2,4,5-Tetrachlorobenzene	12.65	216	584601	36.418	ng	99

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Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
41) Hexachlorocyclopentadiene	12.63	237	483786	55.237 ng		98
43) 2,4,6-Trichlorophenol	12.89	196	368280	39.750 ng		100
44) 2,4,5-Trichlorophenol	12.96	196	385030	39.880 ng		99
46) 1,1'-Biphenyl	13.29	154	1399126	35.684 ng		100
47) 2-Chloronaphthalene	13.33	162	1066283	36.487 ng		99
48) 2-Nitroaniline	13.53	65	272055	35.751 ng		98
49) Acenaphthylene	14.17	152	1775718	41.032 ng		100
50) Dimethylphthalate	13.91	163	1475953	43.111 ng		100
51) 2,6-Dinitrotoluene	14.02	165	265019	37.007 ng		97
52) Acenaphthene	14.52	154	1065287	37.626 ng		100
53) 3-Nitroaniline	14.35	138	178068	21.599 ng		99
54) 2,4-Dinitrophenol	14.56	184	149739	42.189 ng		95
55) Dibenzofuran	14.85	168	1514962	36.652 ng		99
56) 4-Nitrophenol	14.66	139	469471	74.087 ng		97
57) 2,4-Dinitrotoluene	14.81	165	345870	36.866 ng		99
58) Fluorene	15.50	166	1233148	36.714 ng		100
59) 2,3,4,6-Tetrachlorophenol	15.08	232	316417	37.579 ng		98
60) Diethylphthalate	15.27	149	1176041	35.328 ng		100
61) 4-Chlorophenyl-phenylether	15.50	204	611840	35.452 ng		100
62) 4-Nitroaniline	15.51	138	272700	31.550 ng		98
63) Azobenzene	15.79	77	1054752	35.085 ng		99
65) 4,6-Dinitro-2-methylphenol	15.57	198	117376	30.039 ng		98
66) n-Nitrosodiphenylamine	15.71	169	1036363	39.435 ng		99
67) 4-Bromophenyl-phenylether	16.39	248	368703	38.535 ng		100
68) Hexachlorobenzene	16.51	284	402040	36.032 ng		96
69) Atrazine	16.66	200	304830	35.681 ng		100
70) Pentachlorophenol	16.84	266	491843	82.654 ng		99
71) Phenanthrene	17.23	178	2003114	41.268 ng		100
72) Anthracene	17.33	178	1887808	40.130 ng		99
73) Carbazole	17.59	167	1629308	37.219 ng		99
74) Di-n-butylphthalate	18.16	149	1899478	38.268 ng		100
75) Fluoranthene	19.25	202	2260160	41.264 ng		98
77) Benzidine	19.43	184	1143251	49.376 ng		99
78) Pyrene	19.61	202	2513382	45.441 ng		100
80) Butylbenzylphthalate	20.51	149	833302	39.641 ng		99
81) Benzo(a)anthracene	21.35	228	2272816	41.550 ng		99
82) 3,3'-Dichlorobenzidine	21.29	252	682393	35.177 ng		99
83) Chrysene	21.40	228	2161991	40.768 ng		99
84) Bis(2-ethylhexyl)phthalate	21.29	149	1236633	39.703 ng		100
85) Di-n-octyl phthalate	22.17	149	2119054	42.688 ng		98
86) Indeno(1,2,3-cd)pyrene	25.96	276	2938070	46.418 ng	#	100
88) Benzo(b)fluoranthene	22.96	252	2500981	39.910 ng		100
89) Benzo(k)fluoranthene	23.00	252	2258116	36.317 ng		99
90) Benzo(a)pyrene	23.54	252	2453201	42.485 ng		100
91) Dibenzo(a,h)anthracene	25.97	278	2349973	38.907 ng		98
92) Benzo(g,h,i)perylene	26.66	276	2476336	43.166 ng		98

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

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