Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM092519\
Data File : BM022780.D
Acq On : 25 Sep 2019 20:20
Operator : JU
Sample : K4980-04MS
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SAND-STOCKPILE-1MS

Manual Integrations APPROVED
mohammad
9/26/2019 3:55:04 PM

Quant Time: Sep 26 06:46:29 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	225414	20.00	ng		0.00
21) Naphthalene-d8	10.61	136	817177	20.00	ng		-0.01
39) Acenaphthene-d10	14.46	164	445911	20.00	ng		0.00
64) Phenanthrene-d10	17.19	188	856009	20.00	ng		0.00
76) Chrysene-d12	21.37	240	904432	20.00	ng		0.00
87) Perylene-d12	23.64	264	1066573	20.00	ng		-0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.40	112	1351224	95.07	ng		0.00
7) Phenol-d6	6.99	99	1762133	96.53	ng		0.00
23) Nitrobenzene-d5	8.97	82	993604	67.49	ng		0.00
42) 2,4,6-Tribromophenol	15.94	330	596695	107.19	ng		0.00
45) 2-Fluorobiphenyl	13.08	172	2253562	69.59	ng		0.00
79) Terphenyl-d14	19.82	244	3059764	65.51	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.31	88	159247	27.845	ng	#	100
3) Pyridine	3.72	79	365451	24.243	ng		99
4) n-Nitrosodimethylamine	3.62	42	185457	33.795	ng	#	99
6) Aniline	7.15	93	582692	26.620	ng		100
8) 2-Chlorophenol	7.39	128	518431	35.800	ng		99
9) Benzaldehyde	6.96	77	329980	31.746	ng		98
10) Phenol	7.02	94	619635	36.054	ng		99
11) bis(2-Chloroethyl)ether	7.25	93	462748	34.271	ng		99
12) 1,3-Dichlorobenzene	7.71	146	569894	32.927	ng		100
13) 1,4-Dichlorobenzene	7.86	146	579809	33.091	ng		100
14) 1,2-Dichlorobenzene	8.17	146	550669	32.964	ng		100
15) Benzyl Alcohol	8.06	79	399199	34.948	ng		99
16) 2,2'-oxybis(1-Chloropropan	8.35	45	619253	31.571	ng		99
17) 2-Methylphenol	8.26	107	396396	34.846	ng		99
18) Hexachloroethane	8.90	117	202907	31.573	ng		99
19) n-Nitroso-di-n-propylamine	8.63	70	341534	33.503	ng		99
20) 3+4-Methylphenols	8.59	107	527728	34.830	ng		99
22) Acetophenone	8.64	105	689170	34.166	ng		99
24) Nitrobenzene	9.02	77	505109	35.861	ng		98
25) Isophorone	9.55	82	907907	37.508	ng		99
26) 2-Nitrophenol	9.73	139	251560	41.371	ng		98
27) 2,4-Dimethylphenol	9.79	122	438565	43.083	ng		100
28) bis(2-Chloroethoxy)methane	10.02	93	595723	35.566	ng		99
29) 2,4-Dichlorophenol	10.26	162	449542	39.060	ng		100
30) 1,2,4-Trichlorobenzene	10.47	180	509373	35.973	ng		99
31) Naphthalene	10.66	128	1525085	37.771	ng		100
32) Benzoic acid	9.90	122	211599	31.711	ng		95
33) 4-Chloroaniline	10.77	127	344974	19.678	ng		99
34) Hexachlorobutadiene	10.96	225	305758	36.224	ng		99
35) Caprolactam	11.55	113	123993m	36.341	ng		
36) 4-Chloro-3-methylphenol	11.89	107	426298	37.966	ng		100
37) 2-Methylnaphthalene	12.27	142	1072393	38.156	ng		99
38) 1-Methylnaphthalene	12.49	142	991180	37.153	ng		98
40) 1,2,4,5-Tetrachlorobenzene	12.65	216	537493	35.574	ng		100

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Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Hexachlorocyclopentadiene	12.63	237	372725	45.213	ng		99
43) 2,4,6-Trichlorophenol	12.89	196	345868	39.661	ng		99
44) 2,4,5-Trichlorophenol	12.96	196	367385	40.428	ng		98
46) 1,1'-Biphenyl	13.29	154	1299149	35.202	ng		99
47) 2-Chloronaphthalene	13.33	162	991079	36.030	ng		99
48) 2-Nitroaniline	13.53	65	255382	35.655	ng		99
49) Acenaphthylene	14.17	152	1690490	41.501	ng		100
50) Dimethylphthalate	13.91	163	1421369	44.108	ng		100
51) 2,6-Dinitrotoluene	14.03	165	252605	37.475	ng		95
52) Acenaphthene	14.52	154	929058	34.863	ng		99
53) 3-Nitroaniline	14.35	138	192176	24.765	ng		100
54) 2,4-Dinitrophenol	14.56	184	149213	44.257	ng		97
55) Dibenzofuran	14.85	168	1434945	36.884	ng		100
56) 4-Nitrophenol	14.66	139	460511	77.209	ng		97
57) 2,4-Dinitrotoluene	14.81	165	332348	37.636	ng		99
58) Fluorene	15.50	166	1188827	37.603	ng		99
59) 2,3,4,6-Tetrachlorophenol	15.08	232	307780	38.835	ng		97
60) Diethylphthalate	15.27	149	1151391	36.746	ng		100
61) 4-Chlorophenyl-phenylether	15.50	204	589385	36.283	ng		99
62) 4-Nitroaniline	15.51	138	270984	33.309	ng		98
63) Azobenzene	15.79	77	1003166	35.453	ng		98
65) 4,6-Dinitro-2-methylphenol	15.57	198	109879	28.654	ng		95
66) n-Nitrosodiphenylamine	15.71	169	992232	37.943	ng		99
67) 4-Bromophenyl-phenylether	16.39	248	359636	37.773	ng		100
68) Hexachlorobenzene	16.51	284	393715	35.460	ng		97
69) Atrazine	16.66	200	298915	35.161	ng		99
70) Pentachlorophenol	16.84	266	491980	83.086	ng		99
71) Phenanthrene	17.23	178	1983148	41.058	ng		100
72) Anthracene	17.33	178	1892888	40.436	ng		100
73) Carbazole	17.59	167	1633229	37.493	ng		100
74) Di-n-butylphthalate	18.16	149	1980655	40.100	ng		100
75) Fluoranthene	19.25	202	2365816	43.406	ng		98
77) Benzidine	19.43	184	1167411	47.051	ng		99
78) Pyrene	19.61	202	2649350	44.699	ng		99
80) Butylbenzylphthalate	20.51	149	915498	40.641	ng		99
81) Benzo(a)anthracene	21.36	228	2433396	41.513	ng		98
82) 3,3'-Dichlorobenzidine	21.29	252	796453	38.314	ng		99
83) Chrysene	21.41	228	2340910	41.193	ng		100
84) Bis(2-ethylhexyl)phthalate	21.29	149	1394729	41.787	ng		98
85) Di-n-octyl phthalate	22.18	149	2412677	45.355	ng		97
86) Indeno(1,2,3-cd)pyrene	25.96	276	2949394	43.483	ng	#	100
88) Benzo(b)fluoranthene	22.96	252	2639781	40.878	ng		100
89) Benzo(k)fluoranthene	23.01	252	2334635	36.435	ng		99
90) Benzo(a)pyrene	23.54	252	2534768	42.597	ng		99
91) Dibenzo(a,h)anthracene	25.97	278	2361643	37.942	ng		98
92) Benzo(g,h,i)perylene	26.67	276	2469728	41.776	ng		99

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

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