Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081419\
Data File : BF116267.D
Acq On : 14 Aug 2019 18:00
Operator : HP/JU
Sample : K4089-02MSD
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OK-03-081219MSD

Manual Integrations APPROVED
mohammad
8/19/2019 10:41:52 AM

Quant Time: Aug 14 18:44:28 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 07 11:13:18 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	171666	20.00	ng	-0.02
21) Naphthalene-d8	8.10	136	688654	20.00	ng	-0.02
39) Acenaphthene-d10	9.86	164	364130	20.00	ng	-0.02
64) Phenanthrene-d10	11.35	188	617139	20.00	ng	-0.02
76) Chrysene-d12	13.99	240	418205	20.00	ng	-0.02
87) Perylene-d12	15.45	264	364313	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	1176965	114.78	ng	0.01
7) Phenol-d6	6.47	99	1414608	109.34	ng	-0.01
23) Nitrobenzene-d5	7.40	82	1092233	91.55	ng	-0.02
42) 2,4,6-Tribromophenol	10.66	330	421937	119.52	ng	-0.02
45) 2-Fluorobiphenyl	9.18	172	1756307	90.34	ng	-0.02
79) Terphenyl-d14	12.93	244	1792057	90.29	ng	-0.02
Target Compounds						Qvalue
2) 1,4-Dioxane	2.82	88	173289	33.451	ng	# 85
3) Pyridine	3.54	79	287193	19.846	ng	99
4) n-Nitrosodimethylamine	3.46	42	208817	36.565	ng	98
6) Aniline	6.50	93	195541	10.554	ng	# 81
8) 2-Chlorophenol	6.62	128	468621	41.327	ng	99
9) Benzaldehyde	6.39	77	115268	12.912	ng	97
10) Phenol	6.49	94	507865	33.334	ng	83
11) bis(2-Chloroethyl)ether	6.57	93	486928	43.470	ng	99
12) 1,3-Dichlorobenzene	6.77	146	486752	37.143	ng	99
13) 1,4-Dichlorobenzene	6.85	146	496254	37.820	ng	98
14) 1,2-Dichlorobenzene	7.00	146	449745	37.224	ng	98
15) Benzyl Alcohol	6.97	79	369445	37.628	ng	98
16) 2,2'-oxybis(1-Chloropropan	7.10	45	613608	40.161	ng	69
17) 2-Methylphenol	7.09	107	394978	41.137	ng	# 93
18) Hexachloroethane	7.33	117	185554	38.409	ng	98
19) n-Nitroso-di-n-propylamine	7.25	70	342580	42.730	ng	99
20) 3+4-Methylphenols	7.25	107	489360	43.069	ng	95
22) Acetophenone	7.24	105	669344	44.318	ng	96
24) Nitrobenzene	7.42	77	572293	44.426	ng	96
25) Isophorone	7.65	82	1014635	44.477	ng	99
26) 2-Nitrophenol	7.73	139	276303	45.502	ng	98
27) 2,4-Dimethylphenol	7.77	122	431276	47.208	ng	99
28) bis(2-Chloroethoxy)methane	7.86	93	623674	44.108	ng	99
29) 2,4-Dichlorophenol	7.97	162	432401	44.827	ng	99
30) 1,2,4-Trichlorobenzene	8.05	180	457730	41.628	ng	99
31) Naphthalene	8.13	128	1401124	43.236	ng	100
32) Benzoic acid	7.93	122	268107	41.625	ng	96
33) 4-Chloroaniline	8.20	127	88489	6.111	ng	97
34) Hexachlorobutadiene	8.25	225	254100	40.120	ng	99
35) Caprolactam	8.57	113	86715m	27.795	ng	
36) 4-Chloro-3-methylphenol	8.67	107	418985	41.752	ng	99
37) 2-Methylnaphthalene	8.82	142	934393	43.781	ng	99
38) 1-Methylnaphthalene	8.92	142	870891	43.133	ng	100
40) 1,2,4,5-Tetrachlorobenzene	8.99	216	429744	44.146	ng	99

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Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Hexachlorocyclopentadiene	8.97	237	280275	65.308	ng		99
43) 2,4,6-Trichlorophenol	9.10	196	268222	40.030	ng		100
44) 2,4,5-Trichlorophenol	9.16	196	271290	39.168	ng		98
46) 1,1'-Biphenyl	9.28	154	1129842	43.950	ng		99
47) 2-Chloronaphthalene	9.31	162	890421	41.616	ng		100
48) 2-Nitroaniline	9.41	65	247287	34.966	ng		92
49) Acenaphthylene	9.72	152	1272578	40.768	ng		99
50) Dimethylphthalate	9.59	163	1059956	42.752	ng		99
51) 2,6-Dinitrotoluene	9.65	165	222767	41.345	ng	#	84
52) Acenaphthene	9.90	154	791057	41.308	ng		100
53) 3-Nitroaniline	9.83	138	64764	9.728	ng		99
54) 2,4-Dinitrophenol	9.95	184	205859	75.596	ng		99
55) Dibenzofuran	10.07	168	1086377	39.010	ng		99
56) 4-Nitrophenol	10.00	139	235383	55.192	ng		98
57) 2,4-Dinitrotoluene	10.06	165	259199	36.132	ng	#	88
58) Fluorene	10.41	166	876260	40.896	ng		100
59) 2,3,4,6-Tetrachlorophenol	10.19	232	241833	41.501	ng		99
60) Diethylphthalate	10.28	149	953374	41.187	ng		99
61) 4-Chlorophenyl-phenylether	10.40	204	455643	41.989	ng		99
62) 4-Nitroaniline	10.45	138	176127	25.599	ng		98
63) Azobenzene	10.56	77	981084	41.207	ng		99
65) 4,6-Dinitro-2-methylphenol	10.48	198	146796	44.886	ng		96
66) n-Nitrosodiphenylamine	10.52	169	719748	38.748	ng		99
67) 4-Bromophenyl-phenylether	10.89	248	279729	42.342	ng		98
68) Hexachlorobenzene	10.97	284	304461	39.854	ng	#	91
69) Atrazine	11.05	200	169819	27.790	ng		99
70) Pentachlorophenol	11.16	266	275405	74.256	ng		99
71) Phenanthrene	11.37	178	1272658	40.338	ng		99
72) Anthracene	11.43	178	1311422	41.072	ng		99
73) Carbazole	11.58	167	1090084	37.631	ng		99
74) Di-n-butylphthalate	11.90	149	1459010	43.176	ng		100
75) Fluoranthene	12.56	202	1299358	39.340	ng		97
78) Pyrene	12.79	202	1323679	41.988	ng		99
80) Butylbenzylphthalate	13.39	149	618492	46.380	ng		94
81) Benzo(a)anthracene	13.98	228	1082806	40.509	ng		100
82) 3,3'-Dichlorobenzidine	13.94	252	76200	8.205	ng		98
83) Chrysene	14.02	228	1069543	41.214	ng		99
84) Bis(2-ethylhexyl)phthalate	13.95	149	872223	50.333	ng		98
85) Di-n-octyl phthalate	14.56	149	1338225	48.619	ng		99
86) Indeno(1,2,3-cd)pyrene	16.92	276	861512	39.526	ng		100
88) Benzo(b)fluoranthene	15.03	252	906466	43.032	ng		100
89) Benzo(k)fluoranthene	15.05	252	867190	42.266	ng		98
90) Benzo(a)pyrene	15.39	252	817925	43.436	ng		99
91) Dibenzo(a,h)anthracene	16.92	278	727367	44.624	ng		98
92) Benzo(g,h,i)perylene	17.36	276	713205	44.553	ng		99

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

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