Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081719\
Data File : BG042272.D
Acq On : 16 Aug 2019 23:05
Operator : HP/JU
Sample : K4231-05MSD
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
REACTOR-3-B-(0-3)MSD

Manual Integrations APPROVED
Jagrut
8/19/2019 2:19:38 PM

Quant Time: Aug 19 09:13:13 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG072719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 19 06:42:36 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.01	152	60011	20.00	ng		0.00
21) Naphthalene-d8	10.84	136	232810	20.00	ng		0.00
39) Acenaphthene-d10	14.67	164	174979	20.00	ng		0.00
64) Phenanthrene-d10	17.42	188	404638	20.00	ng		0.00
76) Chrysene-d12	21.71	240	436302	20.00	ng		0.01
87) Perylene-d12	24.96	264	530910	20.00	ng		0.02
System Monitoring Compounds							
5) 2-Fluorophenol	5.57	112	406494	131.79	ng		0.00
7) Phenol-d6	7.18	99	516988	124.33	ng		0.01
23) Nitrobenzene-d5	9.18	82	333508	98.58	ng		0.00
42) 2,4,6-Tribromophenol	16.17	330	343133	172.64	ng		0.00
45) 2-Fluorobiphenyl	13.29	172	993254	100.12	ng		0.00
79) Terphenyl-d14	20.04	244	1793482	94.06	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.44	88	46138	31.781	ng	#	40
3) Pyridine	3.85	79	94339	23.697	ng	#	74
4) n-Nitrosodimethylamine	3.75	42	47352	30.004	ng	#	74
6) Aniline	7.34	93	71688	12.243	ng		89
8) 2-Chlorophenol	7.58	128	169081	47.872	ng		88
9) Benzaldehyde	7.14	77	52171	17.830	ng		84
10) Phenol	7.21	94	173024	39.996	ng		94
11) bis(2-Chloroethyl)ether	7.43	93	140365	39.468	ng		87
12) 1,3-Dichlorobenzene	7.91	146	160915m	34.908	ng		
13) 1,4-Dichlorobenzene	8.05	146	164356	35.633	ng		98
14) 1,2-Dichlorobenzene	8.37	146	157649	35.819	ng		94
15) Benzyl Alcohol	8.25	79	127955	39.113	ng		94
16) 2,2'-oxybis(1-Chloropropan	8.55	45	173848	27.476	ng		89
17) 2-Methylphenol	8.46	107	136152	43.276	ng		96
18) Hexachloroethane	9.10	117	53288	33.736	ng		91
19) n-Nitroso-di-n-propylamine	8.82	70	110498	36.601	ng	#	82
20) 3+4-Methylphenols	8.79	107	188250	43.725	ng		97
22) Acetophenone	8.84	105	236503	45.417	ng	#	88
24) Nitrobenzene	9.23	77	158645	44.512	ng		92
25) Isophorone	9.75	82	320300	43.523	ng		96
26) 2-Nitrophenol	9.94	139	103116	62.339	ng	#	87
27) 2,4-Dimethylphenol	10.00	122	162003	55.491	ng		97
28) bis(2-Chloroethoxy)methane	10.23	93	197700	42.988	ng		99
29) 2,4-Dichlorophenol	10.48	162	198789	55.915	ng		97
30) 1,2,4-Trichlorobenzene	10.70	180	198832	44.103	ng		97
31) Naphthalene	10.89	128	481589	45.198	ng		98
32) Benzoic acid	10.13	122	8535m	12.077	ng		
33) 4-Chloroaniline	11.01	127	14360	2.842	ng	#	91
34) Hexachlorobutadiene	11.18	225	123108	40.460	ng		98
35) Caprolactam	11.77	113	47852m	38.730	ng		
36) 4-Chloro-3-methylphenol	12.12	107	183954	52.190	ng		94
37) 2-Methylnaphthalene	12.50	142	402504	47.725	ng		99
38) 1-Methylnaphthalene	12.72	142	386158	48.315	ng		97
40) 1,2,4,5-Tetrachlorobenzene	12.87	216	254097	45.876	ng	#	98

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Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Hexachlorocyclopentadiene	12.85	237	230688	74.079	ng		99
43) 2,4,6-Trichlorophenol	13.11	196	182195	52.044	ng		97
44) 2,4,5-Trichlorophenol	13.18	196	193386	53.158	ng	#	92
46) 1,1'-Biphenyl	13.50	154	528651	46.999	ng		94
47) 2-Chloronaphthalene	13.55	162	435148	45.439	ng		96
48) 2-Nitroaniline	13.75	65	103528	42.625	ng	#	71
49) Acenaphthylene	14.40	152	696063	48.591	ng		97
50) Dimethylphthalate	14.13	163	589496	49.329	ng		98
51) 2,6-Dinitrotoluene	14.25	165	141524	56.636	ng	#	76
52) Acenaphthene	14.74	154	410732	44.084	ng		99
53) 3-Nitroaniline	14.57	138	43417	16.241	ng		81
54) 2,4-Dinitrophenol	14.79	184	83875	60.927	ng	#	78
55) Dibenzofuran	15.07	168	691881	48.550	ng		93
56) 4-Nitrophenol	14.90	139	215164	106.033	ng	#	82
57) 2,4-Dinitrotoluene	15.04	165	194489	56.596	ng	#	81
58) Fluorene	15.73	166	561738	49.119	ng		98
59) 2,3,4,6-Tetrachlorophenol	15.30	232	194796	54.064	ng	#	90
60) Diethylphthalate	15.49	149	561773	47.882	ng		99
61) 4-Chlorophenyl-phenylether	15.71	204	328115	46.996	ng		93
62) 4-Nitroaniline	15.74	138	130783	45.167	ng		90
63) Azobenzene	16.01	77	394529	41.165	ng		88
65) 4,6-Dinitro-2-methylphenol	15.81	198	81080	41.948	ng		79
66) n-Nitrosodiphenylamine	15.93	169	527449	47.854	ng		97
67) 4-Bromophenyl-phenylether	16.61	248	227614	45.666	ng		94
68) Hexachlorobenzene	16.74	284	241956	46.401	ng	#	92
69) Atrazine	16.88	200	201035	46.422	ng		98
70) Pentachlorophenol	17.08	266	272788	92.088	ng		98
71) Phenanthrene	17.47	178	939027	48.415	ng		94
72) Anthracene	17.56	178	961154	49.688	ng		94
73) Carbazole	17.83	167	872751	50.268	ng		94
74) Di-n-butylphthalate	18.39	149	991729	50.385	ng	#	95
75) Fluoranthene	19.48	202	1201744	50.974	ng		91
77) Benzidine	19.66	184	83440	5.859	ng		96
78) Pyrene	19.84	202	1227725	47.494	ng		92
80) Butylbenzylphthalate	20.73	149	487160	49.153	ng	#	85
81) Benzo(a)anthracene	21.69	228	1208966	46.834	ng		94
82) 3,3'-Dichlorobenzidine	21.60	252	205105	19.790	ng	#	95
83) Chrysene	21.76	228	1181678	47.756	ng		94
84) Bis(2-ethylhexyl)phthalate	21.60	149	680815	49.798	ng		97
85) Di-n-octyl phthalate	22.82	149	1175582	51.094	ng	#	85
86) Indeno(1,2,3-cd)pyrene	28.70	276	1632266	49.832	ng	#	94
88) Benzo(b)fluoranthene	23.93	252	1370953	47.204	ng	#	96
89) Benzo(k)fluoranthene	24.00	252	1318724	46.613	ng	#	95
90) Benzo(a)pyrene	24.82	252	1339387	48.085	ng	#	96
91) Dibenzo(a,h)anthracene	28.76	278	1341282	49.040	ng	#	95
92) Benzo(g,h,i)perylene	29.87	276	1362515	49.863	ng	#	93

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

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