Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM082119\
Data File : BM022223.D
Acq On : 21 Aug 2019 11:25
Operator : HP/JU
Sample : K4264-21MSD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
REACTOR-3-C1-C4-(3)MSD

Manual Integrations APPROVED
Jagrut
8/22/2019 2:00:03 PM

Quant Time: Aug 22 00:25:41 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM082019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 20 02:18:05 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.57	152	37156	20.00	ng		0.00
21) Naphthalene-d8	10.34	136	140839	20.00	ng		0.00
39) Acenaphthene-d10	14.22	164	81658	20.00	ng		0.00
64) Phenanthrene-d10	16.99	188	149826	20.00	ng		0.00
76) Chrysene-d12	21.19	240	131660	20.00	ng		0.00
87) Perylene-d12	23.39	264	146353	20.00	ng		-0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.18	112	226958	108.85	ng		0.00
7) Phenol-d6	6.76	99	301117	108.44	ng		0.00
23) Nitrobenzene-d5	8.74	82	215903	74.56	ng		0.00
42) 2,4,6-Tribromophenol	15.73	330	131605	99.57	ng		0.00
45) 2-Fluorobiphenyl	12.83	172	436987	66.84	ng		-0.01
79) Terphenyl-d14	19.63	244	516338	57.14	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.18	88	33530	38.380	ng	#	84
3) Pyridine	3.56	79	82080	37.086	ng	#	89
4) n-Nitrosodimethylamine	3.49	42	61526	46.401	ng	#	60
6) Aniline	6.92	93	93933	25.267	ng		96
8) 2-Chlorophenol	7.14	128	112149	45.174	ng		94
9) Benzaldehyde	6.74	77	50183	28.520	ng		92
10) Phenol	6.79	94	135438	46.073	ng		76
11) bis(2-Chloroethyl)ether	7.02	93	94768	40.753	ng		96
12) 1,3-Dichlorobenzene	7.45	146	121666	40.208	ng	#	92
13) 1,4-Dichlorobenzene	7.60	146	123618	40.240	ng		99
14) 1,2-Dichlorobenzene	7.91	146	119754	40.026	ng		96
15) Benzyl Alcohol	7.83	79	99993m	40.966	ng		
16) 2,2'-oxybis(1-Chloropropan	8.09	45	124255	38.566	ng		99
17) 2-Methylphenol	8.02	107	89209	42.548	ng	#	90
18) Hexachloroethane	8.62	117	54401	40.789	ng		92
19) n-Nitroso-di-n-propylamine	8.38	70	86297	39.456	ng	#	83
20) 3+4-Methylphenols	8.35	107	119966	42.366	ng		93
22) Acetophenone	8.40	105	165140	45.707	ng	#	87
24) Nitrobenzene	8.78	77	137786	46.475	ng		94
25) Isophorone	9.30	82	225466	43.874	ng	#	97
26) 2-Nitrophenol	9.48	139	59157	47.106	ng	#	69
27) 2,4-Dimethylphenol	9.54	122	98758	52.172	ng		91
28) bis(2-Chloroethoxy)methane	9.78	93	133082	43.774	ng		99
29) 2,4-Dichlorophenol	10.00	162	109586	47.975	ng		99
30) 1,2,4-Trichlorobenzene	10.20	180	127319	45.250	ng		98
31) Naphthalene	10.39	128	333345	45.571	ng		99
32) Benzoic acid	9.73	122	65486m	40.526	ng		
33) 4-Chloroaniline	10.54	127	25142	8.213	ng		97
34) Hexachlorobutadiene	10.65	225	108264	44.844	ng		97
35) Caprolactam	11.36	113	23892m	38.911	ng		
36) 4-Chloro-3-methylphenol	11.66	107	106303	44.028	ng		97
37) 2-Methylnaphthalene	12.02	142	239577	44.809	ng	#	93
38) 1-Methylnaphthalene	12.23	142	224428	43.946	ng	#	99
40) 1,2,4,5-Tetrachlorobenzene	12.39	216	165496	51.776	ng		99

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Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Hexachlorocyclopentadiene	12.34	237	176201	92.250	ng		98
43) 2,4,6-Trichlorophenol	12.65	196	92309	48.176	ng		98
44) 2,4,5-Trichlorophenol	12.72	196	96253	49.489	ng	#	96
46) 1,1'-Biphenyl	13.05	154	311308	48.476	ng		99
47) 2-Chloronaphthalene	13.09	162	243456	46.064	ng		96
48) 2-Nitroaniline	13.33	65	70667	42.301	ng		83
49) Acenaphthylene	13.95	152	378769	46.723	ng		99
50) Dimethylphthalate	13.70	163	349701	50.937	ng		100
51) 2,6-Dinitrotoluene	13.83	165	61844	45.615	ng	#	58
52) Acenaphthene	14.29	154	221722	46.900	ng		98
53) 3-Nitroaniline	14.17	138	23382	17.318	ng		98
54) 2,4-Dinitrophenol	14.40	184	53661	70.151	ng	#	63
55) Dibenzofuran	14.63	168	368380	46.893	ng		91
56) 4-Nitrophenol	14.49	139	86963	96.639	ng	#	53
57) 2,4-Dinitrotoluene	14.64	165	84497	43.412	ng	#	63
58) Fluorene	15.28	166	296203	44.726	ng		97
59) 2,3,4,6-Tetrachlorophenol	14.86	232	90003	46.415	ng	#	94
60) Diethylphthalate	15.07	149	305111	42.144	ng		97
61) 4-Chlorophenyl-phenylether	15.28	204	182395	43.700	ng		96
62) 4-Nitroaniline	15.35	138	44931	35.954	ng	#	51
63) Azobenzene	15.57	77	308447	44.214	ng		84
65) 4,6-Dinitro-2-methylphenol	15.40	198	39972	42.229	ng		88
66) n-Nitrosodiphenylamine	15.50	169	231744	48.239	ng		100
67) 4-Bromophenyl-phenylether	16.17	248	104554	47.092	ng	#	91
68) Hexachlorobenzene	16.28	284	112781	44.713	ng	#	84
69) Atrazine	16.47	200	84704	53.245	ng		98
70) Pentachlorophenol	16.64	266	117733	95.938	ng		99
71) Phenanthrene	17.03	178	525260	60.454	ng		99
72) Anthracene	17.12	178	434150	50.337	ng		99
73) Carbazole	17.40	167	321535	44.677	ng		97
74) Di-n-butylphthalate	17.96	149	457396	41.888	ng	#	98
75) Fluoranthene	19.06	202	626763	59.820	ng		98
77) Benzidine	19.26	184	169240	57.310	ng		99
78) Pyrene	19.42	202	590650	63.735	ng		99
80) Butylbenzylphthalate	20.33	149	180082	43.445	ng	#	83
81) Benzo(a)anthracene	21.18	228	481880	52.044	ng		99
82) 3,3'-Dichlorobenzidine	21.12	252	79070	24.492	ng		99
83) Chrysene	21.23	228	452352	50.609	ng		99
84) Bis(2-ethylhexyl)phthalate	21.10	149	266249	42.711	ng		94
85) Di-n-octyl phthalate	21.97	149	424940	42.116	ng	#	93
86) Indeno(1,2,3-cd)pyrene	25.59	276	590542	58.983	ng	#	96
88) Benzo(b)fluoranthene	22.73	252	488360	49.974	ng		98
89) Benzo(k)fluoranthene	22.77	252	431809	45.204	ng		99
90) Benzo(a)pyrene	23.30	252	455032	51.129	ng		98
91) Dibenzo(a,h)anthracene	25.59	278	482428	51.016	ng	#	97
92) Benzo(g,h,i)perylene	26.26	276	463545	56.069	ng		97

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

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