Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG072516\
Data File : BG023250.D
Acq On : 25 Jul 2016 13:01
Operator : UM/SJ
Sample : MDL-02-S
Misc : MDL 4PPM
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
MDL-02-S

Manual Integrations
APPROVED
SOHIL
7/26/2016 11:40:34 AM

Quant Time: Jul 25 14:26:35 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG072016.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Jul 21 04:24:30 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.14	152	115855	20.00	ng/ul	0.00
18) Naphthalene-d8	10.98	136	557087	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.81	164	405234	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.57	188	972175m	20.00	ng/ul	0.00
75) Chrysene-d12	21.90	240	1003356m	20.00	ng/ul	0.00
83) Perylene-d12	25.30	264	979660	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.50	96	9251	3.61	ng/uL	0.00
5) Phenol-d5	7.29	99	382475	32.02	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.45	67	283226	35.78	ng/ul	0.00
9) 2-Chlorophenol-d4	7.66	132	269866	33.64	ng/ul	0.00
13) 4-Methylphenol-d8	8.85	113	304047	32.71	ng/ul	0.00
19) Nitrobenzene-d5	9.32	128	155898	34.98	ng/ul	0.00
22) 2-Nitrophenol-d4	10.05	143	172124	33.06	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.59	165	301067	30.77	ng/ul	0.00
29) 4-Chloroaniline-d4	11.11	131	399196	39.41	ng/ul	0.00
43) Dimethylphthalate-d6	14.20	166	1182743	35.11	ng/ul	0.00
46) Acenaphthylene-d8	14.50	160	1353370	35.34	ng/ul	0.00
51) 4-Nitrophenol-d4	15.02	143	169070	28.44	ng/ul	0.00
57) Fluorene-d10	15.81	176	1077387	35.36	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.93	200	203989m	30.50	ng/ul	0.00
70) Anthracene-d10	17.67	188	1646665	36.18	ng/ul	0.00
76) Pyrene-d10	19.96	212	1834974	35.43	ng/ul	0.00
87) Benzo(a)pyrene-d12	25.07	264	1670353	36.32	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.54	88	3058m	1.12	ng/uL	
4) Benzaldehyde	7.27	77	26380	3.56	ng/ul#	81
6) Phenol	7.32	94	35847	2.88	ng/ul#	75
8) Bis(2-Chloroethyl)ether	7.55	93	26665	2.85	ng/ul#	72
10) 2-Chlorophenol	7.69	128	21623	2.62	ng/ul#	74
11) 2-Methylphenol	8.59	108	23959	2.61	ng/ul	95
12) 2,2'-oxybis(1-Chloropropan	8.68	45	41621	3.29	ng/ul	95
14) Acetophenone	8.97	105	46259	2.86	ng/ul#	68
15) N-Nitroso-di-n-propylamine	8.95	70	30158	2.83	ng/ul#	77
16) 4-Methylphenol	8.92	108	27364	2.68	ng/ul	79
17) Hexachloroethane	9.24	117	11412	2.92	ng/ul#	84
20) Nitrobenzene	9.36	77	43179	3.00	ng/ul#	81
21) Isophorone	9.88	82	74680	2.72	ng/ul#	97
23) 2-Nitrophenol	10.07	139	16001	2.88	ng/ul#	35
24) 2,4-Dimethylphenol	10.14	107	31865	2.50	ng/ul#	82
25) Bis(2-Chloroethoxy)methane	10.37	93	45482	3.00	ng/ul#	85
27) 2,4-Dichlorophenol	10.61	162	26164	2.70	ng/ul#	62
28) Naphthalene	11.03	128	87701	3.13	ng/ul	96
30) 4-Chloroaniline	11.14	127	41796	3.99	ng/ul	97
31) Hexachlorobutadiene	11.31	225	21522	2.77	ng/ul	91
32) Caprolactam	11.91	113	10089m	2.51	ng/ul	
33) 4-Chloro-3-methylphenol	12.26	107	28645	2.25	ng/ul#	78
34) 2-Methylnaphthalene	12.64	142	73107	3.15	ng/ul	94

Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG072516\
Data File : BG023250.D
Acq On : 25 Jul 2016 13:01
Operator : UM/SJ
Sample : MDL-02-S
Misc : MDL 4PPM
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : MDL-02-S

Manual Integrations APPROVED
SOHIL
7/26/2016 11:40:34 AM

Quant Time: Jul 25 14:26:35 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG072016.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Jul 21 04:24:30 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
36) 1,2,4,5-Tetrachlorobenzene	12.99	216	42056	3.11	ng/ul#	96
37) Hexachlorocyclopentadiene	12.98	237	18288	2.08	ng/ul	95
38) 2,4,6-Trichlorophenol	13.24	196	23330	2.49	ng/ul	87
39) 2,4,5-Trichlorophenol	13.32	196	23964	2.51	ng/ul	96
40) 1,1'-Biphenyl	13.64	154	101038	3.32	ng/ul#	85
41) 2-Chloronaphthalene	13.68	162	79183	3.23	ng/ul	96
42) 2-Nitroaniline	13.89	65	28207	2.59	ng/ul#	48
44) Dimethylphthalate	14.25	163	108687	3.18	ng/ul	97
45) 2,6-Dinitrotoluene	14.38	165	21066	2.84	ng/ul#	83
47) Acenaphthylene	14.53	152	127583	3.29	ng/ul	99
48) 3-Nitroaniline	14.72	138	18803	2.97	ng/ul#	49
49) Acenaphthene	14.87	153	85270	3.25	ng/ul	92
50) 2,4-Dinitrophenol	14.93	184	6907	1.49	ng/ul#	78
52) 4-Nitrophenol	15.03	109	17506	2.47	ng/ul#	58
53) Dibenzofuran	15.21	168	128424	3.32	ng/ul	89
54) 2,4-Dinitrotoluene	15.17	165	31387	2.78	ng/ul#	45
55) 2,3,4,6-Tetrachlorophenol	15.44	232	20423	2.12	ng/ul#	83
56) Diethylphthalate	15.61	149	110070	3.03	ng/ul	96
58) Fluorene	15.86	166	102119	3.20	ng/ul#	96
59) 4-Chlorophenyl-phenylether	15.85	204	52456	3.00	ng/ul	92
60) 4-Nitroaniline	15.88	138	23016	2.96	ng/ul#	67
63) 4,6-Dinitro-2-methylphenol	15.93	198	21439m	3.03	ng/ul	
64) N-Nitrosodiphenylamine	16.07	169	87266	3.11	ng/ul	91
65) 4-Bromophenyl-phenylether	16.75	248	35250	3.15	ng/ul	94
66) Hexachlorobenzene	16.87	284	35569	3.10	ng/ul#	91
67) Atrazine	17.02	200	32122	2.68	ng/ul	96
68) Pentachlorophenol	17.22	266	13504m	1.90	ng/ul	
69) Phenanthrene	17.61	178	170531m	3.41	ng/ul	
71) Anthracene	17.71	178	181980	3.47	ng/ul	98
72) Carbazole	17.98	167	144275	3.49	ng/ul	94
73) Di-n-butylphthalate	18.52	149	180687m	3.16	ng/ul	
74) Fluoranthene	19.63	202	201315m	3.83	ng/ul	
77) Pyrene	19.99	202	220234m	3.61	ng/ul	
78) Butylbenzylphthalate	20.87	149	72508m	2.74	ng/ul	
79) 3,3'-Dichlorobenzidine	21.79	252	54864m	2.74	ng/ul	
80) Benzo(a)anthracene	21.87	228	204263m	3.43	ng/ul	
81) Bis(2-ethylhexyl)phthalate	21.76	149	106512m	2.94	ng/ul	
82) Chrysene	21.94	228	181104	3.35	ng/ul	97
84) Di-n-octyl phthalate	23.03	149	176564	3.25	ng/ul	100
85) Benzo(b)fluoranthene	24.22	252	196714	3.30	ng/ul#	93
86) Benzo(k)fluoranthene	24.28	252	185489	3.28	ng/ul#	89
88) Benzo(a)pyrene	25.14	252	193400m	3.41	ng/ul	
89) Indeno(1,2,3-cd)pyrene	29.20	276	193953m	3.03	ng/ul	
90) Dibenzo(a,h)anthracene	29.25	278	154415m	2.93	ng/ul	
91) Benzo(g,h,i)perylene	30.42	276	166049m	3.14	ng/ul	

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

Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG072516\
Data File : BG023250.D
Acq On : 25 Jul 2016 13:01
Operator : UM/SJ
Sample : MDL-02-S
Misc : MDL 4PPM
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jul 25 14:26:35 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG072016.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Jul 21 04:24:30 2016
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
MDL-02-S

Manual Integrations
APPROVED
SOHIL
7/26/2016 11:40:34 AM