

Intro

Basic Endpoint Protocol

Use this protocol for endpoint assays that have unknowns that will have concentrations interpolated from a standard curve. Modify the instrument setup for the wavelength(s) of interest for your assay. You may also modify the template to include additional standards, unknowns, and controls. To make modifications, click the plate section to make it active.

READER SUITABILITY:

SpectraMax M2, M2e, M3, M4, M5, and M5e.

SpectraMax Plus 384, 190, SpectraMax 190, 340PC 384 and VersaMax
Emax and Vmax

PROTOCOL REVISION HISTORY:

03/02/11 - Imported from 5.4 and edited. (ELM)

10/11/11 - Updated with the additional instruments supported in SMP 6.1

Plate1

	1	2	3	4	5	6	7	8	9	10	11	12
A	4.3e7	4.4e7	9.3e7	-921.3	-179.3	-267.3	5.0e5	230.67	-1975	-2426	-3184	-4027
B	1.3e7	1.8e7	2.4e7	618.67	702.67	586.67	2.7e6	1443.7	-840.3	417.67	-931.3	-4755
C	9.3e6	8.6e6	1.0e7	1774.7	838.67	-923.3	4.4e6	-203.3	-2314	-1278	-3231	-4330
D	2.9e6	6.5e6	6.3e6	2891.7	1906.7	760.67	3.9e6	-439.3	-2251	29.667	-3913	-4101
E	1.5e6	4.1e6	3.8e6	-260.3	-126.3	-1380	4.8e6	-1300	-100.3	-396.3	-3718	-2509
F	1.0e6	1.9e6	1.6e6	-1616	1347.7	333.67	8.3e5	-688.3	341.67	-1045	-1552	-4050
G	6.2e5	9.5e5	9.1e5	-1016	-125.3	-1946	9.6e6	-704.3	-534.3	-2261	-3534	-3539
H	5.4e5	5.3e5	6.0e5	-1018	-1134	-846.3	1.1e7	192.67	122.67	-3357	-4514	-5435

Reduction Settings

Plate Blank Used : Lm1 = 8.0e4
Wavelength Combination : !Lm1

Settings Information

Endpoint

☒ Fluorescence
Lm1 485, 535
Slide(s) Ex1, Em1
☒ More Settings
Shake Off
ReadOrder Row
Show Optimizer On
☒ PMT and Optics
Integration Time 400 ms
Read from Top
Read Height 1.00 mm

Read Information

FilterMax F5
ROM vV1.1 b32 10.12.2010
Start Read : 12:31 PM
7/8/2014

Mean Temperature : 28.5 °C

1

	1	2	3	4	5	6	7	8	9	10	11	12
A	1.1e7	8.0e6	5.4e6	9.6e6	1.3e7	5.7e6	4.2e6	5.4e6	8.7e6	5.2e6	1.0e7	3.9e6
B	2.3e6	3.3e6	4.3e6	7.4e6	3.8e6	7.0e6	8.2e6	3.9e6	5.7e6	5.1e6	4.5e6	4.3e6
C	5.7e6	7.1e6	1.3e7	5.0e6	4.9e6	8.0e6	9.9e6	7.5e6	5.5e6	4.7e6	4.9e6	5.2e6
D	5.7e6	1.1e7	5.2e6	4.1e6	1.2e7	1.0e7	4.5e6	1.0e7	8.3e6	5.6e6	5.5e6	5.0e6
E	1.4e7	5.6e6	6.9e6	8.7e4	1.1e7	7.4e6	5.0e6	2.5e6	6.7e6	4.6e6	5.8e6	7.2e6
F	4.8e6	3.4e6	4.1e6	3.4e6	2.5e6	1.0e7	6.8e6	9.3e6	7.5e6	6.9e6	5.4e6	5.8e6
G	2.8e7	9.1e6	5.1e6	9.3e6	4.9e6	5.2e6	4.8e6	8.9e6	1.3e6	4.5e6	2.5e6	6.0e6
H	4.0e7	3.5e7	1.1e7	3.0e7	8.7e6	3.2e6	8.8e6	8.2e6	2.4e7	1.3e7	3.4e6	9.3e6

Reduction Settings

Wavelength Combination : !Lm1

Settings Information

Endpoint

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Lm1 485, 535
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Integration Time 400 ms
Read from Top
Read Height 1.00 mm

Read Information

FilterMax F5
ROM vV1.1 b32 10.12.2010
Start Read : 12:34 PM
7/8/2014

Mean Temperature : 29 °C

	2											
	1	2	3	4	5	6	7	8	9	10	11	12
A	1.5e5	1.6e5	1.6e5	1.2e5	1.5e5	1.6e5	2.5e5	1.0e5	9.3e4	1.1e5	2.7e5	3.3e5
B	1.6e5	1.1e5	1.1e5	4.6e5	8.1e4	2.5e5	1.7e5	4.0e5	2.2e5	3.8e5	3.7e5	1.2e5
C	1.9e5	1.8e5	3.0e5	8.4e4	2.2e5	2.1e5	2.1e5	1.9e5	2.5e5	2.4e5	8.1e4	1.3e5
D	1.5e5	2.3e5	2.8e5	4.2e5	4.4e5	4.0e5	2.1e5	1.3e5	8.4e4	1.9e5	1.7e5	1.6e5
E	1.5e5	1.5e5	3.3e5	2.9e5	2.7e5	8.5e4	1.9e5	2.1e5	8.8e4	1.5e5	3.1e5	8.8e4
F	1.6e5	2.2e5	1.2e5	8.6e4	2.8e5	5.3e5	3.0e5	2.5e5	2.6e5	3.3e5	8.1e4	9.9e4
G	2.1e5	3.7e5	2.3e5	9.4e4	5.4e5	6.2e5	8.0e5	2.5e5	5.4e5	4.7e5	1.6e5	1.9e5
H	9.1e4	3.0e5	1.6e5	8.9e4	2.2e5	8.9e5	4.9e5	3.5e5	4.9e5	6.8e5	1.3e5	1.2e5

Reduction Settings
Wavelength Combination : !Lm1

Settings Information
Endpoint
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Lm1 485, 535
Slide(s) Ex1, Em1
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Integration Time 400 ms
Read from Top
Read Height 1.00 mm

Read Information
FilterMax F5
ROM vV1.1 b32 10.12.2010
Start Read : 12:37 PM
7/8/2014

Mean Temperature : 29 °C

	3											
	1	2	3	4	5	6	7	8	9	10	11	12
A	6.6e6	3.4e6	1.6e6	8.2e4	6.3e6	1.6e6	1.1e6	6.6e6	2.0e6	2.6e6	3.4e6	5.0e6
B	8.3e4	8.4e4	9.4e5	2.0e6	2.8e6	3.9e6	5.5e6	8.8e4	1.6e6	3.7e6	6.5e6	6.0e6
C	4.9e6	1.1e7	1.1e7	7.1e6	6.0e6	2.6e6	2.9e6	6.5e6	3.6e6	2.4e6	2.6e6	3.7e6
D	8.3e4	2.9e6	6.3e6	4.3e6	9.1e4	3.2e6	9.4e6	5.2e6	7.5e6	8.4e6	3.8e6	1.0e6
E	7.8e5	1.1e7	4.9e6	8.4e4	8.6e4	8.4e4	6.2e6	2.5e5	6.0e6	5.6e6	8.3e4	1.6e7
F	5.4e6	5.6e6	7.8e6	1.1e7	2.2e6	8.3e4	8.6e4	8.4e4	6.7e6	1.0e7	1.3e6	5.3e6
G	1.2e7	4.3e6	9.5e6	3.7e6	5.8e6	7.2e6	8.6e4	7.8e5	3.4e6	9.4e6	1.7e7	6.3e6
H	5.8e7	5.1e5	8.1e4	1.1e7	1.5e7	1.7e7	1.1e6	8.5e4	2.0e5	2.3e6	5.3e6	1.2e6

Reduction Settings
Wavelength Combination : !Lm1

Settings Information
Endpoint
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Integration Time 400 ms
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Read Height 1.00 mm

Read Information
FilterMax F5
ROM vV1.1 b32 10.12.2010
Start Read : 12:40 PM
7/8/2014

Mean Temperature : 29 °C

4

	1	2	3	4	5	6	7	8	9	10	11	12
A	8.3e5	7.1e6	7.9e6	3.6e6	5.4e6	7.4e6	5.0e6	7.8e6	3.9e6	5.2e6	6.1e6	5.4e6
B	9.1e6	7.6e6	5.3e6	5.3e6	6.7e6	8.3e4	1.9e6	6.0e6	4.7e6	9.0e6	2.1e6	6.8e6
C	1.6e7	1.0e7	6.9e6	1.1e7	8.6e4	1.3e7	8.4e6	7.3e6	1.2e7	1.2e7	3.6e6	9.3e6
D	8.4e4	7.9e6	1.8e7	1.0e7	3.8e6	1.4e7	7.9e6	7.6e6	5.8e6	7.9e6	3.1e6	1.8e7
E	4.6e6	4.9e6	1.1e7	1.7e7	5.2e6	1.3e7	1.5e7	3.9e6	1.3e7	5.5e6	1.7e6	9.2e6
F	6.8e7	7.1e6	1.2e7	8.1e6	1.1e6	7.1e6	7.2e6	9.9e6	1.0e7	5.6e6	4.1e6	4.6e6
G	1.5e7	4.2e6	5.7e6	4.2e6	1.6e6	1.3e7	1.2e6	8.6e6	8.5e6	1.1e7	2.3e6	6.8e6
H	9.4e6	1.3e7	9.0e6	2.0e6	7.7e6	3.6e6	6.8e6	9.2e6	7.9e6	1.9e7	6.9e6	2.7e6

Reduction Settings
Wavelength Combination : !Lm1

Settings Information
Endpoint
☒ Fluorescence
Lm1 485, 535
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Integration Time 400 ms
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Read Information
FilterMax F5
ROM vV1.1 b32 10.12.2010
Start Read : 12:43 PM
7/8/2014

Mean Temperature : 29.5 °C

5

	1	2	3	4	5	6	7	8	9	10	11	12
A	2.4e6	2.3e5	7.5e6	4.3e6	2.1e6	5.4e6	1.9e6	8.3e6	3.5e6	4.2e6	4.0e5	7.5e4
B	1.3e6	3.0e6	3.5e6	8.7e6	7.9e4	3.8e6	7.8e4	5.4e5	6.9e6	7.9e4	5.8e6	6.1e5
C	5.2e6	3.7e6	8.2e6	9.3e6	4.0e6	3.7e6	7.2e6	1.8e6	1.0e7	2.5e5	1.6e6	2.0e7
D	3.4e6	3.9e5	5.8e6	3.5e6	6.5e6	6.9e6	8.0e4	1.1e7	2.8e5	7.8e4	3.8e6	4.3e7
E	3.8e6	7.8e4	2.9e6	4.7e6	9.1e6	4.4e6	7.8e4	2.0e6	4.0e6	7.1e6	7.5e4	5.8e5
F	2.1e6	7.9e4	2.3e6	6.8e6	8.0e4	8.6e5	6.1e6	2.5e6	1.4e6	6.0e5	7.6e4	1.9e6
G	7.7e4	4.7e5	5.0e6	2.6e6	2.8e5	6.6e6	4.7e6	4.4e6	2.8e6	1.2e6	7.4e4	7.4e4
H	4.9e6	2.0e6	4.5e6	2.8e6	8.1e5	7.6e4	3.4e6	8.8e6	5.3e6	1.0e6	4.1e6	1.3e6

Reduction Settings
Wavelength Combination : !Lm1

Settings Information
Endpoint
☒ Fluorescence
Lm1 485, 535
Slide(s) Ex1, Em1
☒ More Settings
Shake Off
ReadOrder Row
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☒ PMT and Optics
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Read Height 1.00 mm

Read Information
FilterMax F5
ROM vV1.1 b32 10.12.2010
Start Read : 12:46 PM
7/8/2014

Mean Temperature : 29.5 °C

10_3EB

	1	2	3	4	5	6	7	8	9	10	11	12
A	2.1e6	7.8e4	1.7e6	1.6e6	1.9e6	1.6e6	4.3e6	2.8e6	8.9e5	1.3e6	5.1e6	3.3e6
B	4.7e5	1.8e6	1.4e6	4.5e5	1.9e5	8.8e5	9.5e5	9.9e5	5.7e5	9.1e5	8.3e5	1.2e6
C	4.3e5	1.7e6	1.5e6	2.0e6	1.0e6	7.3e5	8.0e5	1.1e6	1.2e6	2.6e6	1.0e6	1.6e6
D	8.9e5	6.8e5	1.7e6	1.2e6	2.8e6	1.5e6	1.5e6	2.5e6	4.5e6	1.6e6	3.2e5	9.9e5
E	6.4e5	1.1e6	1.6e6	2.4e6	1.4e6	9.4e5	4.2e6	1.2e6	4.2e5	7.8e5	9.6e5	8.7e5
F	1.5e6	2.1e5	3.2e6	5.1e5	2.4e6	2.8e5	2.1e6	1.3e6	1.0e6	8.3e5	7.9e4	4.2e5
G	4.8e5	5.6e5	6.7e5	1.8e6	1.9e5	2.5e6	1.6e6	1.2e6	7.7e5	1.9e5	1.3e6	1.3e6
H	7.2e5	1.4e6	4.3e5	4.4e5	1.1e6	1.3e5	8.4e5	1.1e6	3.8e5	1.7e5	5.3e5	2.8e5

Reduction Settings

Wavelength Combination : !Lm1

Settings Information

Endpoint

☒ Fluorescence
 Lm1 485,535
 Slide(s) Ex1, Em1
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 Integration Time 400 ms
 Read from Top
 Read Height 1.00 mm

Read Information

FilterMax F5
 ROM vV1.1 b32 10.12.2010
 Start Read : 12:49 PM
 7/8/2014

Mean Temperature : 30 °C

13_EB

	1	2	3	4	5	6	7	8	9	10	11	12
A	7.5e4	1.3e6	2.0e6	1.6e6	2.6e6	1.4e6	1.3e6	1.2e6	1.2e6	1.8e6	1.7e6	1.7e6
B	5.1e5	2.8e6	3.5e6	2.6e6	9.4e5	7.2e5	7.4e5	8.2e4	1.4e6	4.9e6	5.6e5	7.0e5
C	1.6e6	1.8e6	1.1e6	1.3e6	4.4e5	7.9e4	2.2e6	1.9e6	7.1e5	1.1e5	8.6e5	2.3e6
D	1.1e6	8.0e4	7.9e4	1.9e5	8.7e6	1.8e6	1.7e6	3.7e5	8.0e5	4.9e5	3.0e6	2.8e6
E	8.0e4	1.3e6	1.2e6	8.4e4	1.1e5	8.0e4	3.0e5	3.5e6	7.9e4	1.1e5	2.6e6	2.5e6
F	1.0e5	8.5e4	4.4e5	2.9e5	1.9e6	2.4e6	1.9e6	4.2e6	7.9e4	1.7e6	7.9e4	1.4e5
G	2.4e5	7.7e4	2.2e6	8.0e4	1.6e5	2.8e5	3.9e5	5.4e5	7.9e4	7.9e5	7.6e4	7.9e4
H	7.5e5	1.5e6	1.1e6	6.4e5	3.5e5	7.9e4	1.8e6	7.9e4	5.6e5	2.4e5	1.9e6	7.2e5

Reduction Settings

Wavelength Combination : !Lm1

Settings Information

Endpoint

☒ Fluorescence
 Lm1 485,535
 Slide(s) Ex1, Em1
☒ More Settings
 Shake Off
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 Integration Time 400 ms
 Read from Top
 Read Height 1.00 mm

Read Information

FilterMax F5
 ROM vV1.1 b32 10.12.2010
 Start Read : 12:52 PM
 7/8/2014

Mean Temperature : 30 °C

2wmd

	1	2	3	4	5	6	7	8	9	10	11	12
A	4.4e5	5.2e5	5.0e5	3.5e5	6.2e5	3.0e5	1.6e6	1.2e5	1.5e5	2.5e5	9.9e5	5.0e5
B	3.5e5	1.7e5	1.7e5	1.1e6	1.0e5	3.8e5	2.6e5	7.7e5	3.3e5	6.1e5	6.4e5	1.6e5
C	6.2e5	3.1e5	5.4e5	8.2e4	4.0e5	3.1e5	3.5e5	3.2e5	4.3e5	4.3e5	7.6e4	2.0e5
D	3.1e5	3.6e5	4.3e5	6.9e5	6.3e5	8.3e5	3.1e5	1.6e5	7.9e4	2.6e5	2.3e5	2.4e5
E	3.1e5	1.9e5	5.7e5	4.3e5	4.0e5	7.8e4	2.7e5	2.9e5	8.1e4	1.9e5	4.0e5	9.3e4
F	3.6e5	4.2e5	1.3e5	7.5e4	4.5e5	9.0e5	4.3e5	3.5e5	4.3e5	5.1e5	7.6e4	1.1e5
G	3.6e5	5.6e5	3.2e5	9.2e4	7.7e5	1.0e6	1.5e6	3.5e5	9.1e5	7.1e5	2.4e5	3.2e5
H	9.3e4	5.3e5	2.2e5	8.9e4	2.9e5	1.3e6	7.0e5	4.9e5	1.1e6	1.4e6	2.0e5	1.5e5

Reduction Settings

Wavelength Combination : !Lm1

Settings Information

Endpoint
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Read Information

FilterMax F5
ROM vV1.1 b32 10.12.2010
Start Read : 1:10 PM 7/8/2014

Mean Temperature : 31 °C

Standards

Sample	Conc	BackCalcConc	Wells	Value	MeanValue	SD	CV
01	95.200	97.093 99.988	A1	4290...	43548040....	90...	2.1
			A2	4419...			
02	47.600	29.266 40.623 55.001	B1	1277...	18269047....	57...	31.4
			B2	1782...			
			B3	2420...			
03	23.800	21.536 19.946 23.218	C1	9343...	9357114.000	72...	7.8
			C2	8637...			
			C3	1009...			
04	11.900	7.038 15.193 14.658	D1	2903...	5239500.667	20...	38.7
			D2	6526...			
			D3	6288...			
05	5.950	3.788 9.796 9.158	E1	1460...	3144822.333	14...	46.6
			E2	4128...			
			E3	3845...			
06	2.975	2.848 4.749 4.170	F1	1042...	1519879.667	43...	28.5
			F2	1887...			
			F3	1629...			
07	1.488	1.896 2.641 2.547	G1	6196...	826287.333	18...	21.8
			G2	9505...			
			G3	9086...			
08	0.744	1.726 1.700 1.848	H1	5442...	558500.667	35...	6.3
			H2	5327...			
			H3	5984...			

Smallest standard value: 558500.667

Largest standard value: 43548040.667

Unknowns

Sample	Wells	Value	R	Result	MeanResult	SD	CV
001	A1	1063...		24.440	24.440	0....	0.0
002	B1	2340...		5.771	5.771	0....	0.0
003	C1	5728...		13.398	13.398	0....	0.0
004	D1	5682...		13.294	13.294	0....	0.0
005	E1	1436...		32.840	32.840	0....	0.0
006	F1	4789...		11.283	11.283	0....	0.0
007	G1	2783...		63.160	63.160	0....	0.0
008	H1	3979...		90.083	90.083	0....	0.0
009	A2	8030...		18.579	18.579	0....	0.0
010	B2	3338...		8.017	8.017	0....	0.0
011	C2	7125...		16.543	16.543	0....	0.0
012	D2	1114...		25.599	25.599	0....	0.0
013	E2	5643...		13.206	13.206	0....	0.0
014	F2	3434...		8.234	8.234	0....	0.0
015	G2	9120...		21.034	21.034	0....	0.0
016	H2	3546...		80.350	80.350	0....	0.0
017	A3	5352...		12.552	12.552	0....	0.0
018	B3	4267...		10.109	10.109	0....	0.0
019	C3	1254...		28.750	28.750	0....	0.0
020	D3	5237...		12.293	12.293	0....	0.0
021	E3	6890...		16.014	16.014	0....	0.0
022	F3	4111...		9.757	9.757	0....	0.0
023	G3	5087...		11.955	11.955	0....	0.0
024	H3	1111...		25.533	25.533	0....	0.0
025	A4	9635...		22.194	22.194	0....	0.0
026	B4	7353...		17.056	17.056	0....	0.0
027	C4	4987...		11.730	11.730	0....	0.0
028	D4	4074...		9.674	9.674	0....	0.0
029	E4	8748...	R	0.698	0.698	0....	0.0
030	F4	3445...		8.259	8.259	0....	0.0
031	G4	9303...		21.447	21.447	0....	0.0
032	H4	3037...		68.894	68.894	0....	0.0
033	A5	1344...		30.760	30.760	0....	0.0
034	B5	3799...		9.056	9.056	0....	0.0
035	C5	4908...		11.552	11.552	0....	0.0
036	D5	1186...		27.207	27.207	0....	0.0
037	E5	1072...		24.644	24.644	0....	0.0
038	F5	2517...		6.168	6.168	0....	0.0
039	G5	4867...		11.459	11.459	0....	0.0
040	H5	8721...		20.136	20.136	0....	0.0
041	A6	5685...		13.301	13.301	0....	0.0
042	B6	7037...		16.345	16.345	0....	0.0
043	C6	7987...		18.483	18.483	0....	0.0
044	D6	1038...		23.876	23.876	0....	0.0
045	E6	7436...		17.242	17.242	0....	0.0
046	F6	1039...		23.905	23.905	0....	0.0
047	G6	5194...		12.196	12.196	0....	0.0
048	H6	3214...		7.737	7.737	0....	0.0
049	A7	4175...		9.901	9.901	0....	0.0
050	B7	8248...		19.070	19.070	0....	0.0
051	C7	9939...		22.879	22.879	0....	0.0
052	D7	4514...		10.665	10.665	0....	0.0
053	E7	4996...		11.749	11.749	0....	0.0
054	F7	6838...		15.896	15.896	0....	0.0
055	G7	4778...		11.259	11.259	0....	0.0
056	H7	8771...		20.248	20.248	0....	0.0
057	A8	5434...		12.735	12.735	0....	0.0

Unknowns (Contd)

Sample	Wells	Value	R	Result	MeanResult	SD	CV
058	B8	3882...		9.241	9.241	0....	0.0
059	C8	7505...		17.397	17.397	0....	0.0
060	D8	1015...		23.374	23.374	0....	0.0
061	E8	2498...		6.126	6.126	0....	0.0
062	F8	9340...		21.530	21.530	0....	0.0
063	G8	8890...		20.515	20.515	0....	0.0
064	H8	8177...		18.911	18.911	0....	0.0
065	A9	8662...		20.003	20.003	0....	0.0
066	B9	5676...		13.281	13.281	0....	0.0
067	C9	5525...		12.941	12.941	0....	0.0
068	D9	8320...		19.232	19.232	0....	0.0
069	E9	6650...		15.472	15.472	0....	0.0
070	F9	7472...		17.325	17.325	0....	0.0
071	G9	1301...		3.431	3.431	0....	0.0
072	H9	2409...		54.736	54.736	0....	0.0
073	A10	5155...		12.108	12.108	0....	0.0
074	B10	5078...		11.934	11.934	0....	0.0
075	C10	4676...		11.030	11.030	0....	0.0
076	D10	5625...		13.165	13.165	0....	0.0
077	E10	4643...		10.956	10.956	0....	0.0
078	F10	6869...		15.966	15.966	0....	0.0
079	G10	4451...		10.522	10.522	0....	0.0
080	H10	1318...		30.191	30.191	0....	0.0
081	A11	1023...		23.554	23.554	0....	0.0
082	B11	4492...		10.615	10.615	0....	0.0
083	C11	4904...		11.542	11.542	0....	0.0
084	D11	5480...		12.838	12.838	0....	0.0
085	E11	5795...		13.548	13.548	0....	0.0
086	F11	5368...		12.586	12.586	0....	0.0
087	G11	2474...		6.071	6.071	0....	0.0
088	H11	3406...		8.171	8.171	0....	0.0
089	A12	3867...		9.208	9.208	0....	0.0
090	B12	4346...		10.286	10.286	0....	0.0
091	C12	5175...		12.152	12.152	0....	0.0
092	D12	4950...		11.646	11.646	0....	0.0
093	E12	7152...		16.604	16.604	0....	0.0
094	F12	5756...		13.460	13.460	0....	0.0
095	G12	5974...		13.952	13.952	0....	0.0
096	H12	9340...		21.528	21.528	0....	0.0
097	A1	1478...	R	0.834	0.834	0....	0.0
098	B1	1579...	R	0.856	0.856	0....	0.0
099	C1	1875...	R	0.923	0.923	0....	0.0
100	D1	1530...	R	0.845	0.845	0....	0.0
101	E1	1486...	R	0.836	0.836	0....	0.0
102	F1	1573...	R	0.855	0.855	0....	0.0
103	G1	2102...	R	0.974	0.974	0....	0.0
104	H1	9070...	R	0.705	0.705	0....	0.0
105	A2	1573...	R	0.855	0.855	0....	0.0
106	B2	1097...	R	0.748	0.748	0....	0.0
107	C2	1843...	R	0.916	0.916	0....	0.0
108	D2	2348...	R	1.029	1.029	0....	0.0
109	E2	1482...	R	0.835	0.835	0....	0.0
110	F2	2194...	R	0.995	0.995	0....	0.0
111	G2	3737...	R	1.342	1.342	0....	0.0
112	H2	2976...	R	1.171	1.171	0....	0.0
113	A3	1563...	R	0.853	0.853	0....	0.0
114	B3	1110...	R	0.751	0.751	0....	0.0

Unknowns (Contd)

Sample	Wells	Value	R	Result	MeanResult	SD	CV
115	C3	2962...	R	1.168	1.168	0....	0.0
116	D3	2820...	R	1.136	1.136	0....	0.0
117	E3	3280...	R	1.239	1.239	0....	0.0
118	F3	1154...	R	0.761	0.761	0....	0.0
119	G3	2305...	R	1.020	1.020	0....	0.0
120	H3	1646...	R	0.871	0.871	0....	0.0
121	A4	1151...	R	0.760	0.760	0....	0.0
122	B4	4605...	R	1.538	1.538	0....	0.0
123	C4	8390...	R	0.690	0.690	0....	0.0
124	D4	4198...	R	1.446	1.446	0....	0.0
125	E4	2913...	R	1.157	1.157	0....	0.0
126	F4	8623...	R	0.695	0.695	0....	0.0
127	G4	9429...	R	0.713	0.713	0....	0.0
128	H4	8874...	R	0.701	0.701	0....	0.0
129	A5	1476...	R	0.833	0.833	0....	0.0
130	B5	8123...	R	0.684	0.684	0....	0.0
131	C5	2220...	R	1.001	1.001	0....	0.0
132	D5	4359...	R	1.482	1.482	0....	0.0
133	E5	2658...	R	1.099	1.099	0....	0.0
134	F5	2836...	R	1.139	1.139	0....	0.0
135	G5	5361...	R	1.708	1.708	0....	0.0
136	H5	2154...	R	0.986	0.986	0....	0.0
137	A6	1573...	R	0.855	0.855	0....	0.0
138	B6	2454...	R	1.053	1.053	0....	0.0
139	C6	2082...	R	0.970	0.970	0....	0.0
140	D6	4049...	R	1.412	1.412	0....	0.0
141	E6	8455...	R	0.691	0.691	0....	0.0
142	F6	5285...	R	1.691	1.691	0....	0.0
143	G6	6170...		1.890	1.890	0....	0.0
144	H6	8887...		2.502	2.502	0....	0.0
145	A7	2486...	R	1.061	1.061	0....	0.0
146	B7	1735...	R	0.891	0.891	0....	0.0
147	C7	2087...	R	0.971	0.971	0....	0.0
148	D7	2069...	R	0.967	0.967	0....	0.0
149	E7	1852...	R	0.918	0.918	0....	0.0
150	F7	2965...	R	1.169	1.169	0....	0.0
151	G7	8037...		2.310	2.310	0....	0.0
152	H7	4895...	R	1.603	1.603	0....	0.0
153	A8	1005...	R	0.727	0.727	0....	0.0
154	B8	4005...	R	1.403	1.403	0....	0.0
155	C8	1915...	R	0.932	0.932	0....	0.0
156	D8	1273...	R	0.787	0.787	0....	0.0
157	E8	2078...	R	0.969	0.969	0....	0.0
158	F8	2491...	R	1.062	1.062	0....	0.0
159	G8	2491...	R	1.062	1.062	0....	0.0
160	H8	3527...	R	1.295	1.295	0....	0.0
161	A9	9319...	R	0.711	0.711	0....	0.0
162	B9	2192...	R	0.994	0.994	0....	0.0
163	C9	2533...	R	1.071	1.071	0....	0.0
164	D9	8388...	R	0.690	0.690	0....	0.0
165	E9	8760...	R	0.698	0.698	0....	0.0
166	F9	2559...	R	1.077	1.077	0....	0.0
167	G9	5403...	R	1.717	1.717	0....	0.0
168	H9	4866...	R	1.596	1.596	0....	0.0
169	A10	1112...	R	0.751	0.751	0....	0.0
170	B10	3793...	R	1.355	1.355	0....	0.0
171	C10	2362...	R	1.033	1.033	0....	0.0

Unknowns (Contd)

Sample	Wells	Value	R	Result	MeanResult	SD	CV
172	D10	1870...	R	0.922	0.922	0....	0.0
173	E10	1509...	R	0.841	0.841	0....	0.0
174	F10	3308...	R	1.246	1.246	0....	0.0
175	G10	4691...	R	1.557	1.557	0....	0.0
176	H10	6836...		2.040	2.040	0....	0.0
177	A11	2736...	R	1.117	1.117	0....	0.0
178	B11	3701...	R	1.334	1.334	0....	0.0
179	C11	8094...	R	0.683	0.683	0....	0.0
180	D11	1730...	R	0.890	0.890	0....	0.0
181	E11	3142...	R	1.208	1.208	0....	0.0
182	F11	8106...	R	0.683	0.683	0....	0.0
183	G11	1585...	R	0.858	0.858	0....	0.0
184	H11	1326...	R	0.799	0.799	0....	0.0
185	A12	3297...	R	1.243	1.243	0....	0.0
186	B12	1209...	R	0.773	0.773	0....	0.0
187	C12	1340...	R	0.803	0.803	0....	0.0
188	D12	1563...	R	0.853	0.853	0....	0.0
189	E12	8849...	R	0.700	0.700	0....	0.0
190	F12	9866...	R	0.723	0.723	0....	0.0
191	G12	1906...	R	0.930	0.930	0....	0.0
192	H12	1173...	R	0.765	0.765	0....	0.0
193	A1	6553...		15.256	15.256	0....	0.0
194	B1	8302...	R	0.688	0.688	0....	0.0
195	C1	4949...		11.645	11.645	0....	0.0
196	D1	8278...	R	0.687	0.687	0....	0.0
197	E1	7763...		2.249	2.249	0....	0.0
198	F1	5409...		12.679	12.679	0....	0.0
199	G1	1240...		28.425	28.425	0....	0.0
200	H1	5769...	R	130.385	130.385	0....	0.0
201	A2	3447...		8.261	8.261	0....	0.0
202	B2	8391...	R	0.690	0.690	0....	0.0
203	C2	1077...		24.759	24.759	0....	0.0
204	D2	2949...		7.141	7.141	0....	0.0
205	E2	1112...		25.552	25.552	0....	0.0
206	F2	5639...		13.197	13.197	0....	0.0
207	G2	4337...		10.266	10.266	0....	0.0
208	H2	5061...	R	1.640	1.640	0....	0.0
209	A3	1585...		4.070	4.070	0....	0.0
210	B3	9448...		2.628	2.628	0....	0.0
211	C3	1088...		25.000	25.000	0....	0.0
212	D3	6318...		14.727	14.727	0....	0.0
213	E3	4876...		11.480	11.480	0....	0.0
214	F3	7754...		17.958	17.958	0....	0.0
215	G3	9517...		21.927	21.927	0....	0.0
216	H3	8129...	R	0.684	0.684	0....	0.0
217	A4	8249...	R	0.687	0.687	0....	0.0
218	B4	1969...		4.934	4.934	0....	0.0
219	C4	7136...		16.566	16.566	0....	0.0
220	D4	4339...		10.270	10.270	0....	0.0
221	E4	8410...	R	0.690	0.690	0....	0.0
222	F4	1070...		24.611	24.611	0....	0.0
223	G4	3722...		8.882	8.882	0....	0.0
224	H4	1073...		24.659	24.659	0....	0.0
225	A5	6305...		14.697	14.697	0....	0.0
226	B5	2831...		6.876	6.876	0....	0.0
227	C5	5980...		13.965	13.965	0....	0.0
228	D5	9116...	R	0.706	0.706	0....	0.0

Unknowns (Contd)

Sample	Wells	Value	R	Result	MeanResult	SD	CV
229	E5	8649...	R	0.696	0.696	0....	0.0
230	F5	2191...		5.436	5.436	0....	0.0
231	G5	5783...		13.521	13.521	0....	0.0
232	H5	1532...		35.007	35.007	0....	0.0
233	A6	1598...		4.099	4.099	0....	0.0
234	B6	3893...		9.267	9.267	0....	0.0
235	C6	2603...		6.362	6.362	0....	0.0
236	D6	3181...		7.663	7.663	0....	0.0
237	E6	8401...	R	0.690	0.690	0....	0.0
238	F6	8345...	R	0.689	0.689	0....	0.0
239	G6	7184...		16.676	16.676	0....	0.0
240	H6	1658...		37.828	37.828	0....	0.0
241	A7	1110...		3.001	3.001	0....	0.0
242	B7	5466...		12.809	12.809	0....	0.0
243	C7	2860...		6.940	6.940	0....	0.0
244	D7	9366...		21.588	21.588	0....	0.0
245	E7	6199...		14.458	14.458	0....	0.0
246	F7	8605...	R	0.695	0.695	0....	0.0
247	G7	8577...	R	0.694	0.694	0....	0.0
248	H7	1075...		2.921	2.921	0....	0.0
249	A8	6630...		15.428	15.428	0....	0.0
250	B8	8803...	R	0.699	0.699	0....	0.0
251	C8	6462...		15.050	15.050	0....	0.0
252	D8	5177...		12.158	12.158	0....	0.0
253	E8	2515...	R	1.067	1.067	0....	0.0
254	F8	8422...	R	0.690	0.690	0....	0.0
255	G8	7815...		2.260	2.260	0....	0.0
256	H8	8541...	R	0.693	0.693	0....	0.0
257	A9	1983...		4.966	4.966	0....	0.0
258	B9	1627...		4.165	4.165	0....	0.0
259	C9	3572...		8.543	8.543	0....	0.0
260	D9	7500...		17.386	17.386	0....	0.0
261	E9	5999...		14.008	14.008	0....	0.0
262	F9	6689...		15.562	15.562	0....	0.0
263	G9	3442...		8.250	8.250	0....	0.0
264	H9	2019...	R	0.955	0.955	0....	0.0
265	A10	2567...		6.280	6.280	0....	0.0
266	B10	3679...		8.785	8.785	0....	0.0
267	C10	2428...		5.969	5.969	0....	0.0
268	D10	8430...		19.481	19.481	0....	0.0
269	E10	5602...		13.113	13.113	0....	0.0
270	F10	1044...		24.008	24.008	0....	0.0
271	G10	9374...		21.606	21.606	0....	0.0
272	H10	2343...		5.778	5.778	0....	0.0
273	A11	3403...		8.163	8.163	0....	0.0
274	B11	6462...		15.049	15.049	0....	0.0
275	C11	2635...		6.434	6.434	0....	0.0
276	D11	3799...		9.054	9.054	0....	0.0
277	E11	8303...	R	0.688	0.688	0....	0.0
278	F11	1308...		3.447	3.447	0....	0.0
279	G11	1710...		39.002	39.002	0....	0.0
280	H11	5341...		12.526	12.526	0....	0.0
281	A12	5021...		11.807	11.807	0....	0.0
282	B12	6018...		14.050	14.050	0....	0.0
283	C12	3746...		8.936	8.936	0....	0.0
284	D12	1009...		2.773	2.773	0....	0.0
285	E12	1553...		35.480	35.480	0....	0.0

Unknowns (Contd)

Sample	Wells	Value	R	Result	MeanResult	SD	CV
286	F12	5344...		12.533	12.533	0....	0.0
287	G12	6299...		14.682	14.682	0....	0.0
288	H12	1178...		3.155	3.155	0....	0.0
289	A1	8275...		2.364	2.364	0....	0.0
290	B1	9098...		20.985	20.985	0....	0.0
291	C1	1632...		37.247	37.247	0....	0.0
292	D1	8438...	R	0.691	0.691	0....	0.0
293	E1	4648...		10.965	10.965	0....	0.0
294	F1	6840...	R	154.491	154.491	0....	0.0
295	G1	1519...		34.713	34.713	0....	0.0
296	H1	9383...		21.627	21.627	0....	0.0
297	A2	7062...		16.402	16.402	0....	0.0
298	B2	7636...		17.692	17.692	0....	0.0
299	C2	1029...		23.680	23.680	0....	0.0
300	D2	7867...		18.212	18.212	0....	0.0
301	E2	4909...		11.554	11.554	0....	0.0
302	F2	7104...		16.494	16.494	0....	0.0
303	G2	4240...		10.047	10.047	0....	0.0
304	H2	1317...		30.152	30.152	0....	0.0
305	A3	7916...		18.323	18.323	0....	0.0
306	B3	5343...		12.530	12.530	0....	0.0
307	C3	6948...		16.143	16.143	0....	0.0
308	D3	1822...		41.529	41.529	0....	0.0
309	E3	1059...		24.352	24.352	0....	0.0
310	F3	1167...		26.791	26.791	0....	0.0
311	G3	5684...		13.299	13.299	0....	0.0
312	H3	9024...		20.818	20.818	0....	0.0
313	A4	3596...		8.597	8.597	0....	0.0
314	B4	5269...		12.364	12.364	0....	0.0
315	C4	1114...		25.583	25.583	0....	0.0
316	D4	1014...		23.336	23.336	0....	0.0
317	E4	1711...		39.042	39.042	0....	0.0
318	F4	8067...		18.664	18.664	0....	0.0
319	G4	4206...		9.971	9.971	0....	0.0
320	H4	1976...		4.952	4.952	0....	0.0
321	A5	5412...		12.687	12.687	0....	0.0
322	B5	6733...		15.659	15.659	0....	0.0
323	C5	8577...	R	0.694	0.694	0....	0.0
324	D5	3820...		9.101	9.101	0....	0.0
325	E5	5153...		12.104	12.104	0....	0.0
326	F5	1139...		3.066	3.066	0....	0.0
327	G5	1563...		4.021	4.021	0....	0.0
328	H5	7679...		17.791	17.791	0....	0.0
329	A6	7432...		17.234	17.234	0....	0.0
330	B6	8270...	R	0.687	0.687	0....	0.0
331	C6	1342...		30.728	30.728	0....	0.0
332	D6	1404...		32.124	32.124	0....	0.0
333	E6	1251...		28.686	28.686	0....	0.0
334	F6	7126...		16.546	16.546	0....	0.0
335	G6	1335...		30.560	30.560	0....	0.0
336	H6	3613...		8.635	8.635	0....	0.0
337	A7	5021...		11.805	11.805	0....	0.0
338	B7	1882...		4.738	4.738	0....	0.0
339	C7	8413...		19.442	19.442	0....	0.0
340	D7	7906...		18.301	18.301	0....	0.0
341	E7	1529...		34.945	34.945	0....	0.0
342	F7	7208...		16.729	16.729	0....	0.0

Unknowns (Contd)

Sample	Wells	Value	R	Result	MeanResult	SD	CV
343	G7	1205...		3.214	3.214	0....	0.0
344	H7	6786...		15.779	15.779	0....	0.0
345	A8	7762...		17.977	17.977	0....	0.0
346	B8	5962...		13.925	13.925	0....	0.0
347	C8	7272...		16.874	16.874	0....	0.0
348	D8	7592...		17.594	17.594	0....	0.0
349	E8	3863...		9.200	9.200	0....	0.0
350	F8	9874...		22.731	22.731	0....	0.0
351	G8	8649...		19.974	19.974	0....	0.0
352	H8	9158...		21.118	21.118	0....	0.0
353	A9	3893...		9.266	9.266	0....	0.0
354	B9	4679...		11.035	11.035	0....	0.0
355	C9	1169...		26.830	26.830	0....	0.0
356	D9	5756...		13.460	13.460	0....	0.0
357	E9	1345...		30.798	30.798	0....	0.0
358	F9	1039...		23.895	23.895	0....	0.0
359	G9	8487...		19.608	19.608	0....	0.0
360	H9	7910...		18.309	18.309	0....	0.0
361	A10	5237...		12.292	12.292	0....	0.0
362	B10	8962...		20.677	20.677	0....	0.0
363	C10	1155...		26.515	26.515	0....	0.0
364	D10	7947...		18.394	18.394	0....	0.0
365	E10	5519...		12.926	12.926	0....	0.0
366	F10	5598...		13.106	13.106	0....	0.0
367	G10	1140...		26.167	26.167	0....	0.0
368	H10	1858...		42.335	42.335	0....	0.0
369	A11	6059...		14.142	14.142	0....	0.0
370	B11	2116...		5.265	5.265	0....	0.0
371	C11	3575...		8.549	8.549	0....	0.0
372	D11	3117...		7.519	7.519	0....	0.0
373	E11	1720...		4.375	4.375	0....	0.0
374	F11	4142...		9.827	9.827	0....	0.0
375	G11	2317...		5.717	5.717	0....	0.0
376	H11	6893...		16.021	16.021	0....	0.0
377	A12	5440...		12.749	12.749	0....	0.0
378	B12	6774...		15.753	15.753	0....	0.0
379	C12	9310...		21.461	21.461	0....	0.0
380	D12	1756...		40.038	40.038	0....	0.0
381	E12	9206...		21.228	21.228	0....	0.0
382	F12	4563...		10.774	10.774	0....	0.0
383	G12	6782...		15.770	15.770	0....	0.0
384	H12	2668...		6.509	6.509	0....	0.0
385	A1	2375...		5.849	5.849	0....	0.0
386	B1	1292...		3.411	3.411	0....	0.0
387	C1	5156...		12.110	12.110	0....	0.0
388	D1	3405...		8.168	8.168	0....	0.0
389	E1	3848...		9.165	9.165	0....	0.0
390	F1	2097...		5.222	5.222	0....	0.0
391	G1	7652...	R	0.673	0.673	0....	0.0
392	H1	4929...		11.598	11.598	0....	0.0
393	A2	2271...	R	1.012	1.012	0....	0.0
394	B2	2965...		7.178	7.178	0....	0.0
395	C2	3742...		8.927	8.927	0....	0.0
396	D2	3901...	R	1.379	1.379	0....	0.0
397	E2	7824...	R	0.677	0.677	0....	0.0
398	F2	7931...	R	0.679	0.679	0....	0.0
399	G2	4732...	R	1.566	1.566	0....	0.0

Unknowns (Contd)

Sample	Wells	Value	R	Result	MeanResult	SD	CV
400	H2	2041...		5.098	5.098	0....	0.0
401	A3	7511...		17.412	17.412	0....	0.0
402	B3	3509...		8.401	8.401	0....	0.0
403	C3	8203...		18.970	18.970	0....	0.0
404	D3	5756...		13.461	13.461	0....	0.0
405	E3	2883...		6.993	6.993	0....	0.0
406	F3	2318...		5.720	5.720	0....	0.0
407	G3	5003...		11.764	11.764	0....	0.0
408	H3	4460...		10.543	10.543	0....	0.0
409	A4	4276...		10.129	10.129	0....	0.0
410	B4	8738...		20.173	20.173	0....	0.0
411	C4	9313...		21.469	21.469	0....	0.0
412	D4	3538...		8.466	8.466	0....	0.0
413	E4	4665...		11.004	11.004	0....	0.0
414	F4	6760...		15.721	15.721	0....	0.0
415	G4	2574...		6.297	6.297	0....	0.0
416	H4	2779...		6.759	6.759	0....	0.0
417	A5	2109...		5.250	5.250	0....	0.0
418	B5	7903...	R	0.679	0.679	0....	0.0
419	C5	4007...		9.522	9.522	0....	0.0
420	D5	6537...		15.219	15.219	0....	0.0
421	E5	9081...		20.947	20.947	0....	0.0
422	F5	7951...	R	0.680	0.680	0....	0.0
423	G5	2771...	R	1.125	1.125	0....	0.0
424	H5	8138...		2.333	2.333	0....	0.0
425	A6	5433...		12.733	12.733	0....	0.0
426	B6	3843...		9.153	9.153	0....	0.0
427	C6	3667...		8.759	8.759	0....	0.0
428	D6	6936...		16.116	16.116	0....	0.0
429	E6	4394...		10.395	10.395	0....	0.0
430	F6	8607...		2.439	2.439	0....	0.0
431	G6	6569...		15.290	15.290	0....	0.0
432	H6	7609...	R	0.672	0.672	0....	0.0
433	A7	1925...		4.836	4.836	0....	0.0
434	B7	7847...	R	0.677	0.677	0....	0.0
435	C7	7222...		16.762	16.762	0....	0.0
436	D7	7968...	R	0.680	0.680	0....	0.0
437	E7	7750...	R	0.675	0.675	0....	0.0
438	F7	6068...		14.164	14.164	0....	0.0
439	G7	4656...		10.984	10.984	0....	0.0
440	H7	3405...		8.167	8.167	0....	0.0
441	A8	8265...		19.110	19.110	0....	0.0
442	B8	5406...	R	1.718	1.718	0....	0.0
443	C8	1834...		4.631	4.631	0....	0.0
444	D8	1140...		26.173	26.173	0....	0.0
445	E8	1982...		4.964	4.964	0....	0.0
446	F8	2498...		6.126	6.126	0....	0.0
447	G8	4381...		10.366	10.366	0....	0.0
448	H8	8780...		20.267	20.267	0....	0.0
449	A9	3534...		8.458	8.458	0....	0.0
450	B9	6943...		16.133	16.133	0....	0.0
451	C9	1022...		23.528	23.528	0....	0.0
452	D9	2768...	R	1.124	1.124	0....	0.0
453	E9	4007...		9.522	9.522	0....	0.0
454	F9	1412...		3.680	3.680	0....	0.0
455	G9	2772...		6.742	6.742	0....	0.0
456	H9	5330...		12.501	12.501	0....	0.0

Unknowns (Contd)

Sample	Wells	Value	R	Result	MeanResult	SD	CV
457	A10	4151...		9.847	9.847	0....	0.0
458	B10	7898...	R	0.679	0.679	0....	0.0
459	C10	2538...	R	1.072	1.072	0....	0.0
460	D10	7809...	R	0.677	0.677	0....	0.0
461	E10	7076...		16.433	16.433	0....	0.0
462	F10	5998...		1.851	1.851	0....	0.0
463	G10	1217...		3.241	3.241	0....	0.0
464	H10	1008...		2.770	2.770	0....	0.0
465	A11	3979...	R	1.397	1.397	0....	0.0
466	B11	5757...		13.462	13.462	0....	0.0
467	C11	1573...		4.043	4.043	0....	0.0
468	D11	3793...		9.041	9.041	0....	0.0
469	E11	7532...	R	0.670	0.670	0....	0.0
470	F11	7647...	R	0.673	0.673	0....	0.0
471	G11	7428...	R	0.668	0.668	0....	0.0
472	H11	4146...		9.836	9.836	0....	0.0
473	A12	7488...	R	0.669	0.669	0....	0.0
474	B12	6114...		1.877	1.877	0....	0.0
475	C12	2021...		46.019	46.019	0....	0.0
476	D12	4261...		96.438	96.438	0....	0.0
477	E12	5827...		1.813	1.813	0....	0.0
478	F12	1918...		4.819	4.819	0....	0.0
479	G12	7386...	R	0.667	0.667	0....	0.0
480	H12	1310...		3.450	3.450	0....	0.0
481	A1	2145...		5.331	5.331	0....	0.0
482	B1	4653...	R	1.548	1.548	0....	0.0
483	C1	4314...	R	1.472	1.472	0....	0.0
484	D1	8860...		2.495	2.495	0....	0.0
485	E1	6377...		1.937	1.937	0....	0.0
486	F1	1512...		3.905	3.905	0....	0.0
487	G1	4821...	R	1.586	1.586	0....	0.0
488	H1	7210...		2.124	2.124	0....	0.0
489	A2	7787...	R	0.676	0.676	0....	0.0
490	B2	1780...		4.509	4.509	0....	0.0
491	C2	1675...		4.273	4.273	0....	0.0
492	D2	6796...		2.031	2.031	0....	0.0
493	E2	1113...		3.008	3.008	0....	0.0
494	F2	2105...	R	0.975	0.975	0....	0.0
495	G2	5628...		1.768	1.768	0....	0.0
496	H2	1437...		3.737	3.737	0....	0.0
497	A3	1716...		4.366	4.366	0....	0.0
498	B3	1415...		3.688	3.688	0....	0.0
499	C3	1509...		3.898	3.898	0....	0.0
500	D3	1713...		4.359	4.359	0....	0.0
501	E3	1564...		4.022	4.022	0....	0.0
502	F3	3156...		7.607	7.607	0....	0.0
503	G3	6669...		2.002	2.002	0....	0.0
504	H3	4285...	R	1.466	1.466	0....	0.0
505	A4	1583...		4.066	4.066	0....	0.0
506	B4	4541...	R	1.523	1.523	0....	0.0
507	C4	2033...		5.078	5.078	0....	0.0
508	D4	1178...		3.154	3.154	0....	0.0
509	E4	2401...		5.908	5.908	0....	0.0
510	F4	5128...	R	1.655	1.655	0....	0.0
511	G4	1845...		4.656	4.656	0....	0.0
512	H4	4384...	R	1.488	1.488	0....	0.0
513	A5	1867...		4.706	4.706	0....	0.0

Unknowns (Contd)

Sample	Wells	Value	R	Result	MeanResult	SD	CV
514	B5	1915...	R	0.932	0.932	0....	0.0
515	C5	9961...		2.743	2.743	0....	0.0
516	D5	2808...		6.824	6.824	0....	0.0
517	E5	1422...		3.703	3.703	0....	0.0
518	F5	2393...		5.888	5.888	0....	0.0
519	G5	1891...	R	0.927	0.927	0....	0.0
520	H5	1058...		2.885	2.885	0....	0.0
521	A6	1560...		4.015	4.015	0....	0.0
522	B6	8844...		2.492	2.492	0....	0.0
523	C6	7276...		2.139	2.139	0....	0.0
524	D6	1548...		3.987	3.987	0....	0.0
525	E6	9386...		2.614	2.614	0....	0.0
526	F6	2751...	R	1.120	1.120	0....	0.0
527	G6	2456...		6.032	6.032	0....	0.0
528	H6	1287...	R	0.791	0.791	0....	0.0
529	A7	4254...		10.078	10.078	0....	0.0
530	B7	9534...		2.647	2.647	0....	0.0
531	C7	7992...		2.300	2.300	0....	0.0
532	D7	1475...		3.823	3.823	0....	0.0
533	E7	4229...		10.024	10.024	0....	0.0
534	F7	2053...		5.123	5.123	0....	0.0
535	G7	1586...		4.072	4.072	0....	0.0
536	H7	8384...		2.388	2.388	0....	0.0
537	A8	2832...		6.877	6.877	0....	0.0
538	B8	9912...		2.732	2.732	0....	0.0
539	C8	1145...		3.080	3.080	0....	0.0
540	D8	2489...		6.106	6.106	0....	0.0
541	E8	1189...		3.180	3.180	0....	0.0
542	F8	1262...		3.343	3.343	0....	0.0
543	G8	1161...		3.117	3.117	0....	0.0
544	H8	1073...		2.917	2.917	0....	0.0
545	A9	8912...		2.507	2.507	0....	0.0
546	B9	5670...		1.777	1.777	0....	0.0
547	C9	1192...		3.185	3.185	0....	0.0
548	D9	4495...		10.622	10.622	0....	0.0
549	E9	4221...	R	1.451	1.451	0....	0.0
550	F9	1008...		2.772	2.772	0....	0.0
551	G9	7702...		2.235	2.235	0....	0.0
552	H9	3784...	R	1.353	1.353	0....	0.0
553	A10	1314...		3.461	3.461	0....	0.0
554	B10	9114...		2.553	2.553	0....	0.0
555	C10	2639...		6.442	6.442	0....	0.0
556	D10	1593...		4.089	4.089	0....	0.0
557	E10	7806...		2.258	2.258	0....	0.0
558	F10	8304...		2.371	2.371	0....	0.0
559	G10	1856...	R	0.919	0.919	0....	0.0
560	H10	1692...	R	0.882	0.882	0....	0.0
561	A11	5086...		11.953	11.953	0....	0.0
562	B11	8299...		2.369	2.369	0....	0.0
563	C11	9956...		2.742	2.742	0....	0.0
564	D11	3190...	R	1.219	1.219	0....	0.0
565	E11	9596...		2.661	2.661	0....	0.0
566	F11	7866...	R	0.678	0.678	0....	0.0
567	G11	1346...		3.532	3.532	0....	0.0
568	H11	5257...	R	1.684	1.684	0....	0.0
569	A12	3281...		7.889	7.889	0....	0.0
570	B12	1171...		3.138	3.138	0....	0.0

Unknowns (Contd)

Sample	Wells	Value	R	Result	MeanResult	SD	CV
571	C12	1558...		4.009	4.009	0....	0.0
572	D12	9860...		2.721	2.721	0....	0.0
573	E12	8708...		2.461	2.461	0....	0.0
574	F12	4166...	R	1.439	1.439	0....	0.0
575	G12	1266...		3.351	3.351	0....	0.0
576	H12	2757...	R	1.122	1.122	0....	0.0
577	A1	7454...	R	0.669	0.669	0....	0.0
578	B1	5148...	R	1.660	1.660	0....	0.0
579	C1	1569...		4.035	4.035	0....	0.0
580	D1	1098...		2.973	2.973	0....	0.0
581	E1	7997...	R	0.681	0.681	0....	0.0
582	F1	1004...	R	0.727	0.727	0....	0.0
583	G1	2414...	R	1.044	1.044	0....	0.0
584	H1	7511...		2.192	2.192	0....	0.0
585	A2	1305...		3.440	3.440	0....	0.0
586	B2	2802...		6.809	6.809	0....	0.0
587	C2	1768...		4.483	4.483	0....	0.0
588	D2	7986...	R	0.681	0.681	0....	0.0
589	E2	1269...		3.358	3.358	0....	0.0
590	F2	8519...	R	0.693	0.693	0....	0.0
591	G2	7672...	R	0.674	0.674	0....	0.0
592	H2	1538...		3.964	3.964	0....	0.0
593	A3	2021...		5.052	5.052	0....	0.0
594	B3	3505...		8.393	8.393	0....	0.0
595	C3	1140...		3.069	3.069	0....	0.0
596	D3	7911...	R	0.679	0.679	0....	0.0
597	E3	1223...		3.256	3.256	0....	0.0
598	F3	4384...	R	1.488	1.488	0....	0.0
599	G3	2205...		5.467	5.467	0....	0.0
600	H3	1099...		2.977	2.977	0....	0.0
601	A4	1553...		3.997	3.997	0....	0.0
602	B4	2643...		6.452	6.452	0....	0.0
603	C4	1308...		3.447	3.447	0....	0.0
604	D4	1858...	R	0.919	0.919	0....	0.0
605	E4	8381...	R	0.690	0.690	0....	0.0
606	F4	2894...	R	1.153	1.153	0....	0.0
607	G4	7981...	R	0.681	0.681	0....	0.0
608	H4	6446...		1.952	1.952	0....	0.0
609	A5	2588...		6.329	6.329	0....	0.0
610	B5	9443...		2.627	2.627	0....	0.0
611	C5	4445...	R	1.502	1.502	0....	0.0
612	D5	8658...		19.993	19.993	0....	0.0
613	E5	1140...	R	0.758	0.758	0....	0.0
614	F5	1862...		4.695	4.695	0....	0.0
615	G5	1596...	R	0.860	0.860	0....	0.0
616	H5	3465...	R	1.281	1.281	0....	0.0
617	A6	1401...		3.657	3.657	0....	0.0
618	B6	7228...		2.128	2.128	0....	0.0
619	C6	7898...	R	0.679	0.679	0....	0.0
620	D6	1760...		4.465	4.465	0....	0.0
621	E6	8005...	R	0.681	0.681	0....	0.0
622	F6	2387...		5.877	5.877	0....	0.0
623	G6	2766...	R	1.124	1.124	0....	0.0
624	H6	7864...	R	0.678	0.678	0....	0.0
625	A7	1330...		3.497	3.497	0....	0.0
626	B7	7376...		2.162	2.162	0....	0.0
627	C7	2230...		5.522	5.522	0....	0.0

Unknowns (Contd)

Sample	Wells	Value	R	Result	MeanResult	SD	CV
628	D7	1700...		4.328	4.328	0....	0.0
629	E7	2993...	R	1.175	1.175	0....	0.0
630	F7	1932...		4.851	4.851	0....	0.0
631	G7	3867...	R	1.372	1.372	0....	0.0
632	H7	1799...		4.553	4.553	0....	0.0
633	A8	1220...		3.248	3.248	0....	0.0
634	B8	8231...	R	0.686	0.686	0....	0.0
635	C8	1860...		4.690	4.690	0....	0.0
636	D8	3650...	R	1.323	1.323	0....	0.0
637	E8	3504...		8.391	8.391	0....	0.0
638	F8	4170...		9.890	9.890	0....	0.0
639	G8	5407...	R	1.718	1.718	0....	0.0
640	H8	7865...	R	0.678	0.678	0....	0.0
641	A9	1178...		3.154	3.154	0....	0.0
642	B9	1358...		3.559	3.559	0....	0.0
643	C9	7113...		2.102	2.102	0....	0.0
644	D9	8025...		2.308	2.308	0....	0.0
645	E9	7897...	R	0.679	0.679	0....	0.0
646	F9	7882...	R	0.678	0.678	0....	0.0
647	G9	7872...	R	0.678	0.678	0....	0.0
648	H9	5593...		1.760	1.760	0....	0.0
649	A10	1803...		4.562	4.562	0....	0.0
650	B10	4928...		11.597	11.597	0....	0.0
651	C10	1144...	R	0.759	0.759	0....	0.0
652	D10	4930...	R	1.611	1.611	0....	0.0
653	E10	1130...	R	0.755	0.755	0....	0.0
654	F10	1731...		4.399	4.399	0....	0.0
655	G10	7906...		2.281	2.281	0....	0.0
656	H10	2446...	R	1.052	1.052	0....	0.0
657	A11	1687...		4.301	4.301	0....	0.0
658	B11	5566...	R	1.754	1.754	0....	0.0
659	C11	8593...		2.435	2.435	0....	0.0
660	D11	3008...		7.273	7.273	0....	0.0
661	E11	2550...		6.243	6.243	0....	0.0
662	F11	7905...	R	0.679	0.679	0....	0.0
663	G11	7585...	R	0.672	0.672	0....	0.0
664	H11	1926...		4.838	4.838	0....	0.0
665	A12	1691...		4.310	4.310	0....	0.0
666	B12	6974...		2.071	2.071	0....	0.0
667	C12	2321...		5.727	5.727	0....	0.0
668	D12	2811...		6.831	6.831	0....	0.0
669	E12	2545...		6.231	6.231	0....	0.0
670	F12	1404...	R	0.817	0.817	0....	0.0
671	G12	7902...	R	0.679	0.679	0....	0.0
672	H12	7172...		2.115	2.115	0....	0.0
673	A1	4365...	R	1.484	1.484	0....	0.0
674	B1	3482...	R	1.285	1.285	0....	0.0
675	C1	6235...		1.905	1.905	0....	0.0
676	D1	3059...	R	1.190	1.190	0....	0.0
677	E1	3110...	R	1.201	1.201	0....	0.0
678	F1	3638...	R	1.320	1.320	0....	0.0
679	G1	3567...	R	1.304	1.304	0....	0.0
680	H1	9257...	R	0.709	0.709	0....	0.0
681	A2	5156...	R	1.662	1.662	0....	0.0
682	B2	1679...	R	0.879	0.879	0....	0.0
683	C2	3079...	R	1.194	1.194	0....	0.0
684	D2	3629...	R	1.318	1.318	0....	0.0

Unknowns (Contd)

Sample	Wells	Value	R	Result	MeanResult	SD	CV
685	E2	1941...	R	0.938	0.938	0....	0.0
686	F2	4231...	R	1.453	1.453	0....	0.0
687	G2	5617...		1.766	1.766	0....	0.0
688	H2	5320...	R	1.699	1.699	0....	0.0
689	A3	4980...	R	1.622	1.622	0....	0.0
690	B3	1665...	R	0.876	0.876	0....	0.0
691	C3	5365...	R	1.709	1.709	0....	0.0
692	D3	4254...	R	1.459	1.459	0....	0.0
693	E3	5695...		1.783	1.783	0....	0.0
694	F3	1333...	R	0.801	0.801	0....	0.0
695	G3	3249...	R	1.232	1.232	0....	0.0
696	H3	2159...	R	0.987	0.987	0....	0.0
697	A4	3521...	R	1.294	1.294	0....	0.0
698	B4	1076...		2.925	2.925	0....	0.0
699	C4	8207...	R	0.686	0.686	0....	0.0
700	D4	6929...		2.061	2.061	0....	0.0
701	E4	4291...	R	1.467	1.467	0....	0.0
702	F4	7496...	R	0.670	0.670	0....	0.0
703	G4	9157...	R	0.707	0.707	0....	0.0
704	H4	8898...	R	0.701	0.701	0....	0.0
705	A5	6182...		1.893	1.893	0....	0.0
706	B5	1043...	R	0.736	0.736	0....	0.0
707	C5	4018...	R	1.406	1.406	0....	0.0
708	D5	6337...		1.927	1.927	0....	0.0
709	E5	3999...	R	1.401	1.401	0....	0.0
710	F5	4456...	R	1.504	1.504	0....	0.0
711	G5	7664...		2.226	2.226	0....	0.0
712	H5	2920...	R	1.158	1.158	0....	0.0
713	A6	2957...	R	1.167	1.167	0....	0.0
714	B6	3775...	R	1.351	1.351	0....	0.0
715	C6	3138...	R	1.207	1.207	0....	0.0
716	D6	8270...		2.363	2.363	0....	0.0
717	E6	7765...	R	0.676	0.676	0....	0.0
718	F6	8986...		2.524	2.524	0....	0.0
719	G6	1005...		2.764	2.764	0....	0.0
720	H6	1346...		3.533	3.533	0....	0.0
721	A7	1649...		4.214	4.214	0....	0.0
722	B7	2625...	R	1.092	1.092	0....	0.0
723	C7	3456...	R	1.279	1.279	0....	0.0
724	D7	3068...	R	1.192	1.192	0....	0.0
725	E7	2667...	R	1.101	1.101	0....	0.0
726	F7	4303...	R	1.470	1.470	0....	0.0
727	G7	1531...		3.949	3.949	0....	0.0
728	H7	6956...		2.067	2.067	0....	0.0
729	A8	1217...	R	0.775	0.775	0....	0.0
730	B8	7705...		2.236	2.236	0....	0.0
731	C8	3188...	R	1.219	1.219	0....	0.0
732	D8	1633...	R	0.869	0.869	0....	0.0
733	E8	2897...	R	1.153	1.153	0....	0.0
734	F8	3473...	R	1.283	1.283	0....	0.0
735	G8	3510...	R	1.291	1.291	0....	0.0
736	H8	4912...	R	1.607	1.607	0....	0.0
737	A9	1505...	R	0.840	0.840	0....	0.0
738	B9	3318...	R	1.248	1.248	0....	0.0
739	C9	4317...	R	1.473	1.473	0....	0.0
740	D9	7855...	R	0.678	0.678	0....	0.0
741	E9	8069...	R	0.682	0.682	0....	0.0

Unknowns (Contd)

Sample	Wells	Value	R	Result	MeanResult	SD	CV
742	F9	4342...	R	1.478	1.478	0....	0.0
743	G9	9129...		2.556	2.556	0....	0.0
744	H9	1085...		2.945	2.945	0....	0.0
745	A10	2512...	R	1.066	1.066	0....	0.0
746	B10	6052...		1.863	1.863	0....	0.0
747	C10	4258...	R	1.459	1.459	0....	0.0
748	D10	2619...	R	1.091	1.091	0....	0.0
749	E10	1855...	R	0.918	0.918	0....	0.0
750	F10	5084...	R	1.646	1.646	0....	0.0
751	G10	7060...		2.090	2.090	0....	0.0
752	H10	1435...		3.732	3.732	0....	0.0
753	A11	9907...		2.731	2.731	0....	0.0
754	B11	6361...		1.933	1.933	0....	0.0
755	C11	7624...	R	0.672	0.672	0....	0.0
756	D11	2250...	R	1.007	1.007	0....	0.0
757	E11	4016...	R	1.405	1.405	0....	0.0
758	F11	7569...	R	0.671	0.671	0....	0.0
759	G11	2394...	R	1.040	1.040	0....	0.0
760	H11	1951...	R	0.940	0.940	0....	0.0
761	A12	5037...	R	1.635	1.635	0....	0.0
762	B12	1597...	R	0.860	0.860	0....	0.0
763	C12	2041...	R	0.960	0.960	0....	0.0
764	D12	2367...	R	1.034	1.034	0....	0.0
765	E12	9313...	R	0.710	0.710	0....	0.0
766	F12	1142...	R	0.758	0.758	0....	0.0
767	G12	3201...	R	1.222	1.222	0....	0.0
768	H12	1515...	R	0.842	0.842	0....	0.0

R - Outside standard range

Unk_Dilution

Sample	Wells	Value	R	Result	MeanResult	SD	CV	Dilution	AdjResult
AtPGP_...	A7	5024...	R	1.632	1.632	0....	0.0	0.0	0.000
AtPGP_...	B7	2670...		6.512	6.512	0....	0.0	0.0	0.000
AtPGP_...	C7	4405...		10.419	10.419	0....	0.0	0.0	0.000
AtPGP_...	D7	3852...		9.175	9.175	0....	0.0	0.0	0.000
AtPGP_...	E7	4790...		11.286	11.286	0....	0.0	0.0	0.000
AtPGP_...	F7	8308...		2.371	2.371	0....	0.0	0.0	0.000
AtPGP_...	G7	9559...		22.022	22.022	0....	0.0	0.0	0.000
AtPGP_...	H7	1104...		25.364	25.364	0....	0.0	0.0	0.000
AtPGP_...	A8	230.6...	R	0.501	0.501	0....	0.0	0.0	0.000
AtPGP_...	B8	1443...	R	0.504	0.504	0....	0.0	0.0	0.000
AtPGP_...	C8	-203...	R	0.500	0.500	0....	0.0	0.0	0.000
AtPGP_...	D8	-439...	R	0.500	0.500	0....	0.0	0.0	0.000
AtPGP_...	E8	-1300...	R	0.498	0.498	0....	0.0	0.0	0.000
AtPGP_...	F8	-688...	R	0.499	0.499	0....	0.0	0.0	0.000
AtPGP_...	G8	-704...	R	0.499	0.499	0....	0.0	0.0	0.000
AtPGP_...	H8	192.6...	R	0.501	0.501	0....	0.0	0.0	0.000
AtPGP_...	A9	-1975...	R	0.496	0.496	0....	0.0	0.0	0.000
AtPGP_...	B9	-840...	R	0.499	0.499	0....	0.0	0.0	0.000
AtPGP_...	C9	-2314...	R	0.496	0.496	0....	0.0	0.0	0.000
AtPGP_...	D9	-2251...	R	0.496	0.496	0....	0.0	0.0	0.000
AtPGP_...	E9	-100...	R	0.501	0.501	0....	0.0	0.0	0.000
AtPGP_...	F9	341.6...	R	0.502	0.502	0....	0.0	0.0	0.000
AtPGP_...	G9	-534...	R	0.500	0.500	0....	0.0	0.0	0.000
AtPGP_...	H9	122.6...	R	0.501	0.501	0....	0.0	0.0	0.000
AtPGP_...	A10	-2426...	R	0.495	0.495	0....	0.0	0.0	0.000
AtPGP_...	B10	417.6...	R	0.502	0.502	0....	0.0	0.0	0.000
AtPGP_...	C10	-1278...	R	0.498	0.498	0....	0.0	0.0	0.000
AtPGP_...	D10	29.667	R	0.501	0.501	0....	0.0	0.0	0.000
AtPGP_...	E10	-396...	R	0.500	0.500	0....	0.0	0.0	0.000
AtPGP_...	F10	-1045...	R	0.498	0.498	0....	0.0	0.0	0.000
AtPGP_...	G10	-2261...	R	0.496	0.496	0....	0.0	0.0	0.000
AtPGP_...	H10	-3357...	R	0.493	0.493	0....	0.0	0.0	0.000
AtPGP_...	A11	-3184...	R	0.494	0.494	0....	0.0	0.0	0.000
AtPGP_...	B11	-931...	R	0.499	0.499	0....	0.0	0.0	0.000
AtPGP_...	C11	-3231...	R	0.494	0.494	0....	0.0	0.0	0.000
AtPGP_...	D11	-3913...	R	0.492	0.492	0....	0.0	0.0	0.000
AtPGP_...	E11	-3718...	R	0.492	0.492	0....	0.0	0.0	0.000
AtPGP_...	F11	-1552...	R	0.497	0.497	0....	0.0	0.0	0.000
AtPGP_...	G11	-3534...	R	0.493	0.493	0....	0.0	0.0	0.000
AtPGP_...	H11	-4514...	R	0.491	0.491	0....	0.0	0.0	0.000
AtPGP_...	A12	-4027...	R	0.492	0.492	0....	0.0	0.0	0.000
AtPGP_...	B12	-4755...	R	0.490	0.490	0....	0.0	0.0	0.000
AtPGP_...	C12	-4330...	R	0.491	0.491	0....	0.0	0.0	0.000
AtPGP_...	D12	-4101...	R	0.492	0.492	0....	0.0	0.0	0.000
AtPGP_...	E12	-2509...	R	0.495	0.495	0....	0.0	0.0	0.000
AtPGP_...	F12	-4050...	R	0.492	0.492	0....	0.0	0.0	0.000
AtPGP_...	G12	-3539...	R	0.493	0.493	0....	0.0	0.0	0.000
AtPGP_...	H12	-5435...	R	0.489	0.489	0....	0.0	0.0	0.000

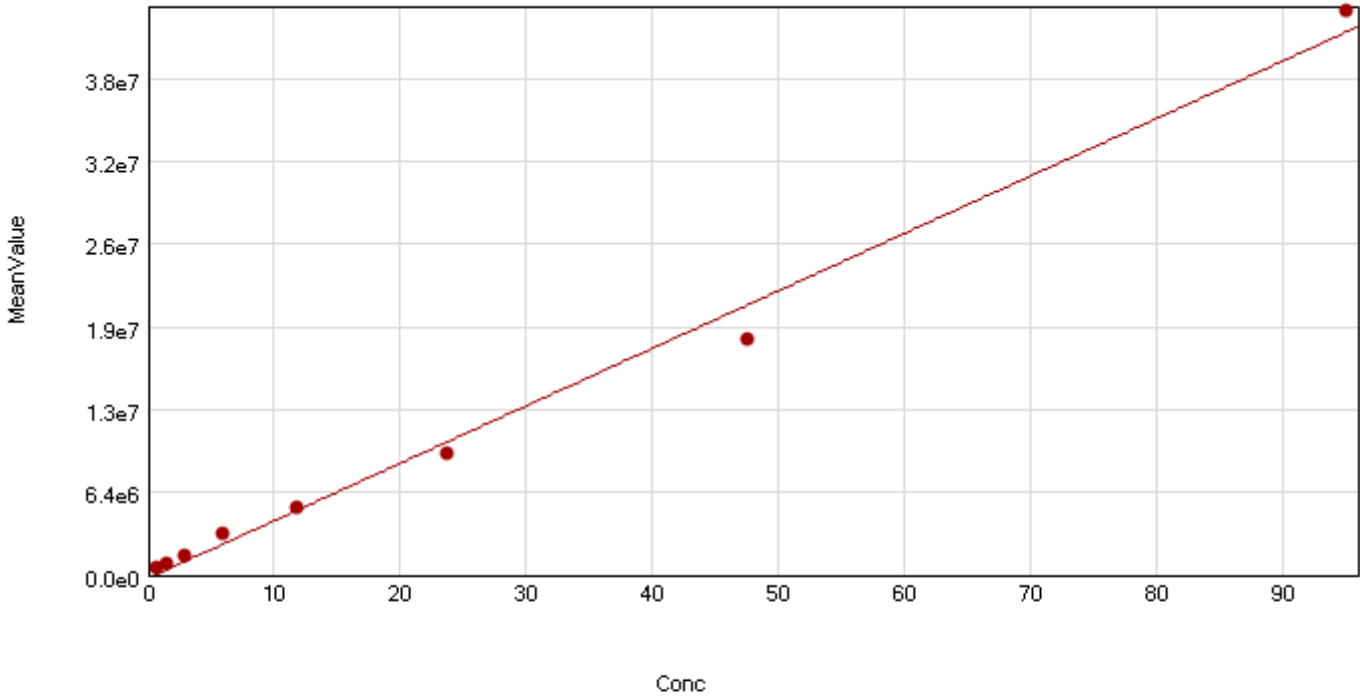
R - Outside standard range

Mean Adjusted Result: 0.00

Control

Sample	Wells	Sample#	Values	MeanValue
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StandardCurve



● Std (Standards: MeanVal... vs Conc)

Curve Fit Results ▲

Curve Fit : Linear $y = A + Bx$

	Parameter	Estimated Value	Std. Error	Confidence Interval
Std $R^2 = 0.993$	A	-2.22e+5	6.12e+5	[-1.72e+6, 1.28e+6]
	B	4.44e+5	1.58e+4	[4.06e+5, 4.83e+5]