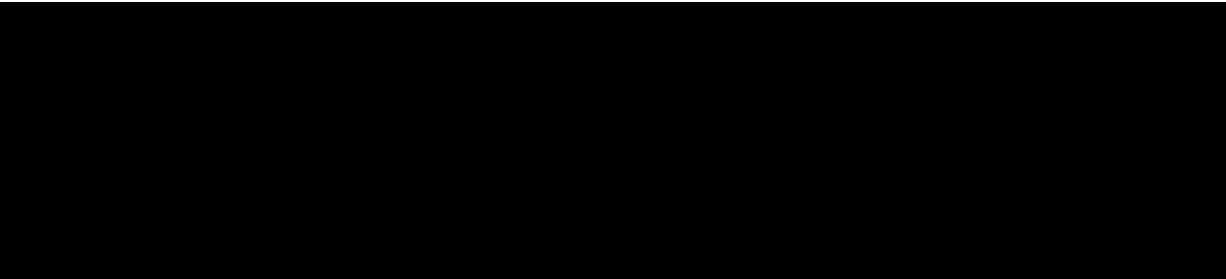
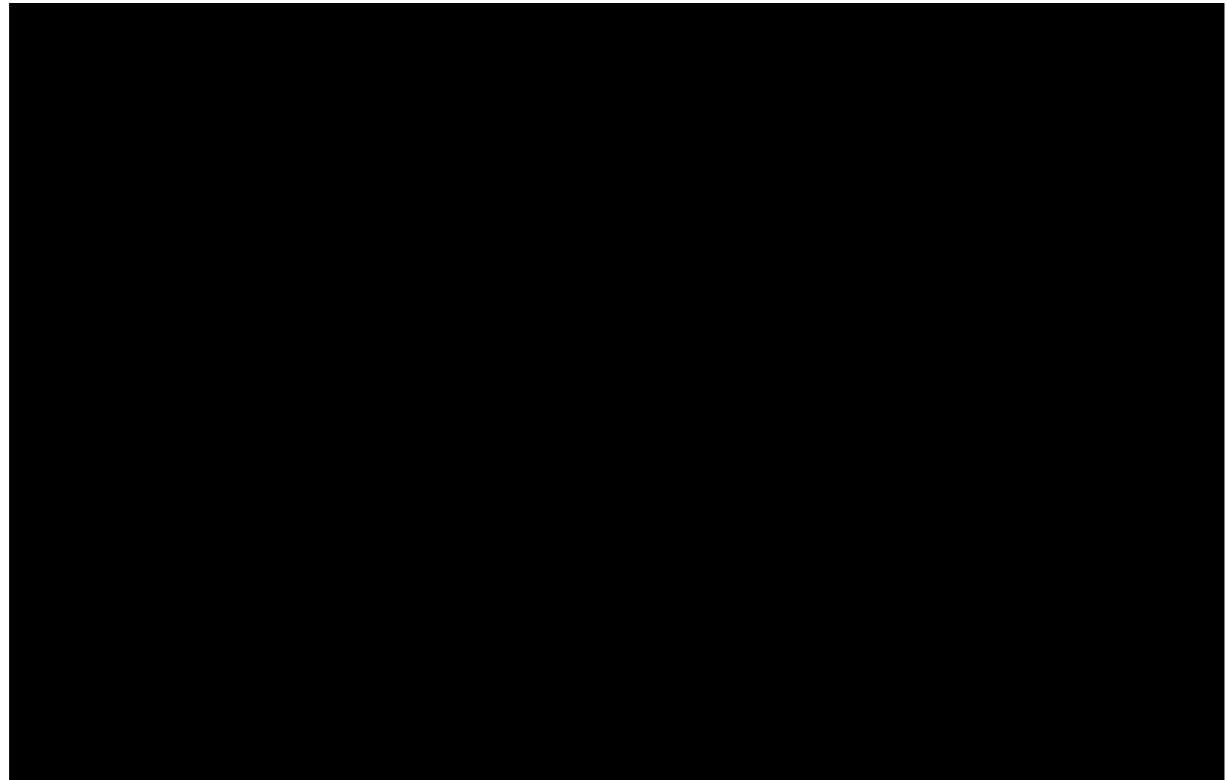


B6
B7
B7
B8
B8
B9
B9



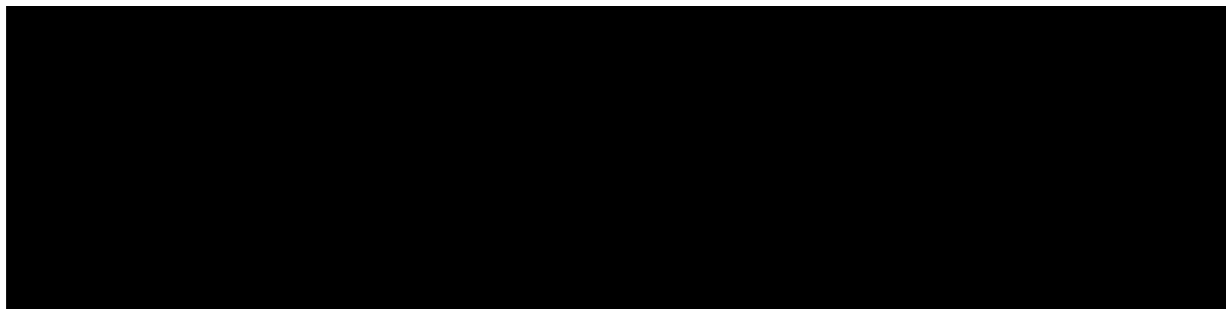
| | | | | | | | |
|-----|-----|------------------------------------|---------|------|---------|------|-------|
| B10 | B10 | FK0738-2111004:3700 nt to 4800 nt | 101.014 | 70.8 | 77.5625 | 4063 | 3.99 |
| B10 | B10 | FK0738-2111004:4800 nt to 13000 nt | 1.876 | 1.3 | 0.9569 | 6116 | 20.69 |
| B11 | B11 | FL5333-2111004:3700 nt to 4800 nt | 92.4303 | 66.1 | 70.58 | 4086 | 4.25 |
| B11 | B11 | FL5333-2111004:4800 nt to 13000 nt | 6.0118 | 4.3 | 2.6381 | 7110 | 29.25 |

B12
B12
C1
C1
C2
C2
C3
C3
C4
C4
C5
C5
C6
C6
C7
C7
C8
C8
C9
C9



| | | | | | | | |
|-----|-----|------------------------------------|---------|------|---------|------|-------|
| C10 | C10 | FK0738-2111004:3700 nt to 4800 nt | 101.749 | 70.3 | 77.928 | 4073 | 4.06 |
| C10 | C10 | FK0738-2111004:4800 nt to 13000 nt | 3.5362 | 2.4 | 1.674 | 6591 | 25.06 |
| C11 | C11 | FL5333-2111004:3700 nt to 4800 nt | 79.6625 | 65.6 | 60.5648 | 4103 | 4.21 |
| C11 | C11 | FL5333-2111004:4800 nt to 13000 nt | 4.7738 | 3.9 | 2.1963 | 6781 | 25.84 |

C12
C12
D1
D1
D2
D2
D3
D3



| | | | | | | | |
|----|----|-------|---------------------|-----|-------|-----|------------|
| D4 | D4 | Blank | 3700 nt to 4800 nt | 0 | 0 NaN | NaN | NaN |
| D4 | D4 | Blank | 4800 nt to 13000 nt | 0 | 0 NaN | NaN | NaN |
| D5 | D5 | Blank | 3700 nt to 4800 nt | 0 | 0 NaN | NaN | NaN |
| D5 | D5 | Blank | 4800 nt to 13000 nt | 0 | 0 NaN | NaN | NaN |
| D6 | D6 | Blank | 3700 nt to 4800 nt | NaN | NaN | NaN | 3833 2.48 |
| D6 | D6 | Blank | 4800 nt to 13000 nt | NaN | NaN | NaN | 10814 0.14 |
| D7 | D7 | Blank | 3700 nt to 4800 nt | 0 | 0 NaN | NaN | NaN |

| | | | | | | | | |
|-----|-----|--------|---------------------|--------|-------|--------|-------|-------|
| D7 | D7 | Blank | 4800 nt to 13000 nt | 0.0011 | 25.5 | 0.0003 | 11070 | 4.54 |
| D8 | D8 | Blank | 3700 nt to 4800 nt | 0 NaN | NaN | NaN | NaN | NaN |
| D8 | D8 | Blank | 4800 nt to 13000 nt | 0 NaN | NaN | NaN | NaN | NaN |
| D9 | D9 | Blank | 3700 nt to 4800 nt | 0.006 | 0.8 | 0.005 | 3733 | 0.58 |
| D9 | D9 | Blank | 4800 nt to 13000 nt | 0.0154 | 2.1 | 0.0047 | 10252 | 12.09 |
| D10 | D10 | Blank | 3700 nt to 4800 nt | 0 | 0 NaN | NaN | NaN | NaN |
| D10 | D10 | Blank | 4800 nt to 13000 nt | 0.0162 | 100 | 0.0055 | 9147 | 7.07 |
| D11 | D11 | Blank | 3700 nt to 4800 nt | 0 | 0 NaN | NaN | NaN | NaN |
| D11 | D11 | Blank | 4800 nt to 13000 nt | 0.0307 | 7.2 | 0.0099 | 9686 | 11.58 |
| D12 | D12 | Ladder | | | | | | |
| D12 | | | | | | | | |

Laboratories Branch

Written By [Redacted]
Authorised [Redacted]

Date Validated 10/06/2021

Validation Due 10/06/2022

Validation Status Valid for use

Revision no. 1
LIMS number 33325

Analyst [Redacted]

Assay Date 17/11/2021

Pass/Fail Parameters

| | |
|------------|------------|
| Minimum | Maximum |
| [Redacted] | [Redacted] |

| | | | | | | | | | % INTEGRITY SUMMARY | | | | COMMENTS |
|-----------|------|-------------------|--------------------|----------|---------|---------|-----------|------|---------------------|---------|-------|---------|----------|
| REPLICATE | Well | Sample ID | Range | ng/uL | % Total | nmole/L | Avg. Size | %CV | Sample ID | Average | stdev | %CV | |
| 1 | A10 | FK0738-2111004218 | 3700 nt to 4800 nt | 109.0322 | 71.2 | 83.1058 | 4093 | 4 | | | | | |
| 2 | B10 | FK0738-2111004218 | 3700 nt to 4800 nt | 101.0138 | 70.8 | 77.5625 | 4063 | 3.99 | FK0738-2111004218 | 70.77 | 0.45 | 0.64 | PASS |
| 3 | C10 | FK0738-2111004218 | 3700 nt to 4800 nt | 101.7488 | 70.3 | 77.928 | 4073 | 4.06 | | | | | |
| 1 | A11 | FL5333-2111004115 | 3700 nt to 4800 nt | 92.4132 | 67 | 70.4269 | 4094 | 4.21 | | | | | |
| 2 | B11 | FL5333-2111004115 | 3700 nt to 4800 nt | 92.4303 | 66.1 | 70.58 | 4086 | 4.25 | FL5333-2111004115 | 66.23 | 0.71 | 1.07 | PASS |
| 3 | C11 | FL5333-2111004115 | 3700 nt to 4800 nt | 79.6625 | 65.6 | 60.5648 | 4103 | 4.21 | | | | | |
| 1 | D4 | Blank | 3700 nt to 4800 nt | 0 | 0 | NaN | NaN | NaN | | | | | |
| 2 | D5 | Blank | 3700 nt to 4800 nt | 0 | 0 | NaN | NaN | NaN | Blank | 0.00 | 0.00 | #DIV/0! | FAIL |
| 3 | D6 | Blank | 3700 nt to 4800 nt | NaN | NaN | NaN | 3833 | 2.48 | | | | | |
| 1 | D7 | Blank | 3700 nt to 4800 nt | 0 | 0 | NaN | NaN | NaN | | | | | |
| 2 | D8 | Blank | 3700 nt to 4800 nt | 0 | NaN | NaN | NaN | NaN | Blank | 0.40 | 0.57 | 141.42 | FAIL |
| 3 | D9 | Blank | 3700 nt to 4800 nt | 0.006 | 0.8 | 0.005 | 3733 | 0.58 | | | | | |

| | | | | | | | | | % LATE MIGRATING SPECIES SUMMARY | | | | COMMENTS |
|-----------|------|-----------|-------|-------|---------|---------|-----------|-----|----------------------------------|---------|-------|-----|----------|
| REPLICATE | Well | Sample ID | Range | ng/uL | % Total | nmole/L | Avg. Size | %CV | Sample ID | Average | stdev | %CV | |
| | | | | | | | | | | | | | |

| | | | | | | | | | | | | | |
|------------|-----|-------------------|---------------------|--------|------|--------|-------|-------|-------------------|-------|-------|---------|--|
| [Redacted] | | | | | | | | | | | | | |
| 1 | A10 | FK0738-2111004218 | 4800 nt to 13000 nt | 2.8988 | 1.9 | 1.3113 | 6897 | 28.45 | | | | | |
| 2 | B10 | FK0738-2111004218 | 4800 nt to 13000 nt | 1.876 | 1.3 | 0.9569 | 6116 | 20.69 | FK0738-2111004218 | 1.87 | 0.55 | 29.50 | |
| 3 | C10 | FK0738-2111004218 | 4800 nt to 13000 nt | 3.5362 | 2.4 | 1.674 | 6591 | 25.06 | | | | | |
| 1 | A11 | FL5333-2111004115 | 4800 nt to 13000 nt | 5.8954 | 4.3 | 2.6228 | 7013 | 26.84 | | | | | |
| 2 | B11 | FL5333-2111004115 | 4800 nt to 13000 nt | 6.0118 | 4.3 | 2.6381 | 7110 | 29.25 | FL5333-2111004115 | 4.17 | 0.23 | 5.54 | |
| 3 | C11 | FL5333-2111004115 | 4800 nt to 13000 nt | 4.7738 | 3.9 | 2.1963 | 6781 | 25.84 | | | | | |
| [Redacted] | | | | | | | | | | | | | |
| 1 | D4 | Blank | 4800 nt to 13000 nt | 0 | 0 | NaN | NaN | NaN | | | | | |
| 2 | D5 | Blank | 4800 nt to 13000 nt | 0 | 0 | NaN | NaN | NaN | Blank | 0.00 | 0.00 | #DIV/0! | |
| 3 | D6 | Blank | 4800 nt to 13000 nt | NaN | NaN | NaN | 10814 | 0.14 | | | | | |
| 1 | D7 | Blank | 4800 nt to 13000 nt | 0.0011 | 25.5 | 0.0003 | 11070 | 4.54 | | | | | |
| 2 | D8 | Blank | 4800 nt to 13000 nt | 0 | NaN | NaN | NaN | NaN | Blank | 13.80 | 16.55 | 119.90 | |
| 3 | D9 | Blank | 4800 nt to 13000 nt | 0.0154 | 2.1 | 0.0047 | 10252 | 12.09 | | | | | |

This tab is only to be used if a replace needs to be excluded from the analysis.

Enter raw data directly into this table. All averages/ pass fail will be calculated automatically using the pass/fail parameters entered in the Calculations tab.

| REPLICATE | Well | Sample ID | Range | ng/uL | % Total | nmole/L | Avg. Size | %CV | % INTEGRITY SUMMARY | | | | COMMENTS | |
|-----------|------|-----------|-------|-------|---------|---------|-----------|-----|---------------------|---------|---------|---------|----------|--|
| | | | | | | | | | Sample ID | Average | stdev | %CV | | |
| 1 | | | | | | | | | 0 | #DIV/0! | #DIV/0! | #DIV/0! | #DIV/0! | |
| 2 | | | | | | | | | 0 | #DIV/0! | #DIV/0! | #DIV/0! | #DIV/0! | |
| 3 | | | | | | | | | 0 | #DIV/0! | #DIV/0! | #DIV/0! | #DIV/0! | |
| 1 | | | | | | | | | 0 | #DIV/0! | #DIV/0! | #DIV/0! | #DIV/0! | |
| 2 | | | | | | | | | 0 | #DIV/0! | #DIV/0! | #DIV/0! | #DIV/0! | |
| 3 | | | | | | | | | 0 | #DIV/0! | #DIV/0! | #DIV/0! | #DIV/0! | |
| 1 | | | | | | | | | 0 | #DIV/0! | #DIV/0! | #DIV/0! | #DIV/0! | |
| 2 | | | | | | | | | 0 | #DIV/0! | #DIV/0! | #DIV/0! | #DIV/0! | |
| 3 | | | | | | | | | 0 | #DIV/0! | #DIV/0! | #DIV/0! | #DIV/0! | |
| 1 | | | | | | | | | 0 | #DIV/0! | #DIV/0! | #DIV/0! | #DIV/0! | |
| 2 | | | | | | | | | 0 | #DIV/0! | #DIV/0! | #DIV/0! | #DIV/0! | |
| 3 | | | | | | | | | 0 | #DIV/0! | #DIV/0! | #DIV/0! | #DIV/0! | |

| Pass/Fail Parameters | | |
|----------------------|---------|---------|
| minimum | cut off | maximum |
| | | |
| result>> | | |

| REPLICATE | Well | Sample ID | Range | ng/uL | % Total | nmole/L | Avg. Size | %CV | % LATE MIGRATING SPECIES SUMMARY | | | | COMMENTS |
|-----------|------|-----------|-------|-------|---------|---------|-----------|-----|----------------------------------|---------|---------|---------|----------|
| | | | | | | | | | Sample ID | Average | stdev | %CV | |
| 1 | | | | | | | | | 0 | #DIV/0! | #DIV/0! | #DIV/0! | |
| 2 | | | | | | | | | 0 | #DIV/0! | #DIV/0! | #DIV/0! | |
| 3 | | | | | | | | | 0 | #DIV/0! | #DIV/0! | #DIV/0! | |
| 1 | | | | | | | | | 0 | #DIV/0! | #DIV/0! | #DIV/0! | |
| 2 | | | | | | | | | 0 | #DIV/0! | #DIV/0! | #DIV/0! | |
| 3 | | | | | | | | | 0 | #DIV/0! | #DIV/0! | #DIV/0! | |
| 1 | | | | | | | | | 0 | #DIV/0! | #DIV/0! | #DIV/0! | |
| 2 | | | | | | | | | 0 | #DIV/0! | #DIV/0! | #DIV/0! | |
| 3 | | | | | | | | | 0 | #DIV/0! | #DIV/0! | #DIV/0! | |
| 1 | | | | | | | | | 0 | #DIV/0! | #DIV/0! | #DIV/0! | |
| 2 | | | | | | | | | 0 | #DIV/0! | #DIV/0! | #DIV/0! | |
| 3 | | | | | | | | | 0 | #DIV/0! | #DIV/0! | #DIV/0! | |

| | | | | | | | |
|-----|---------------|---------------------|------|-----|-------|------|------|
| D3 | sample13-rep3 | 3500 nt to 5389 nt | 66 | 132 | 35.5 | 4079 | 6.6 |
| D3 | sample13-rep3 | 5389 nt to 13000 nt | 3.15 | 15 | 8.8 | 4079 | 1.26 |
| D4 | sample14-rep1 | 3500 nt to 5389 nt | 70 | 140 | 45.5 | 4079 | 8.6 |
| D4 | sample14-rep1 | 5389 nt to 13000 nt | 3.65 | 14 | 9.8 | 4079 | 1.46 |
| D5 | sample14-rep2 | 3500 nt to 5389 nt | 70.5 | 141 | 55.5 | 5026 | 10.6 |
| D5 | sample14-rep2 | 5389 nt to 13000 nt | 4.15 | 15 | 10.8 | 6983 | 1.66 |
| D6 | sample14-rep3 | 3500 nt to 5389 nt | 71 | 142 | 65.5 | 5240 | 12.6 |
| D6 | sample14-rep3 | 5389 nt to 13000 nt | 4.65 | 16 | 11.8 | 6440 | 1.86 |
| D7 | sample15-rep1 | 3500 nt to 5389 nt | 75 | 150 | 75.5 | 5240 | 14.6 |
| D7 | sample15-rep1 | 5389 nt to 13000 nt | 5.15 | 15 | 12.8 | 6440 | 2.06 |
| D8 | sample15-rep2 | 3500 nt to 5389 nt | 75.5 | 151 | 85.5 | 4079 | 16.6 |
| D8 | sample15-rep2 | 5389 nt to 13000 nt | 5.65 | 16 | 13.8 | 4079 | 2.26 |
| D9 | sample15-rep3 | 3500 nt to 5389 nt | 76 | 152 | 95.5 | 3757 | 18.6 |
| D9 | sample15-rep3 | 5389 nt to 13000 nt | 6.15 | 17 | 14.8 | 9444 | 2.46 |
| D10 | Blank-rep1 | 3500 nt to 5389 nt | 80 | 160 | 105.5 | 4079 | 20.6 |
| D10 | Blank-rep1 | 5389 nt to 13000 nt | 6.65 | 16 | 15.8 | 4079 | 2.66 |
| D11 | Blank2-rep1 | 3500 nt to 5389 nt | 80.5 | 161 | 115.5 | 4079 | 22.6 |
| D11 | Blank2-rep1 | 5389 nt to 13000 nt | 7.15 | 17 | 16.8 | 4079 | 2.86 |
| D12 | Ladder | 3500 nt to 5389 nt | 81 | 162 | 125.5 | 5026 | 24.6 |
| D12 | Ladder | 5389 nt to 13000 nt | 7.65 | 18 | 17.8 | 6983 | 3.06 |

| | | | | | | | | | | | | |
|---|-----|---------------|---------------------|------|----|------|------|------|---------------|-------|------|------|
| 3 | C9 | sample9-rep3 | 5389 nt to 13000 nt | 5.6 | 11 | 13.7 | 5530 | 2.24 | | | | |
| 1 | A10 | sample10-rep1 | 5389 nt to 13000 nt | 5 | 10 | 12.5 | 6870 | 2 | sample10-rep1 | 11.00 | 1.00 | 9.09 |
| 2 | B10 | sample10-rep2 | 5389 nt to 13000 nt | 5.55 | 11 | 13.6 | 6807 | 2.22 | | | | |
| 3 | C10 | sample10-rep3 | 5389 nt to 13000 nt | 6.1 | 12 | 14.7 | 6551 | 2.44 | | | | |
| 1 | A11 | sample11-rep1 | 5389 nt to 13000 nt | 5.5 | 11 | 13.5 | 7320 | 2.2 | sample11-rep1 | 12.00 | 1.00 | 8.33 |
| 2 | B11 | sample11-rep2 | 5389 nt to 13000 nt | 6.05 | 12 | 14.6 | 7000 | 2.42 | | | | |
| 3 | C11 | sample11-rep3 | 5389 nt to 13000 nt | 6.6 | 13 | 15.7 | 6970 | 2.64 | | | | |
| 1 | A12 | sample12-rep1 | 5389 nt to 13000 nt | 6 | 12 | 14.5 | 7135 | 2.4 | sample12-rep1 | 13.00 | 1.00 | 7.69 |
| 2 | B12 | sample12-rep2 | 5389 nt to 13000 nt | 6.55 | 13 | 15.6 | 7094 | 2.62 | | | | |
| 3 | C12 | sample12-rep3 | 5389 nt to 13000 nt | 7.1 | 14 | 16.7 | 6740 | 2.84 | | | | |
| 1 | D1 | sample13-rep1 | 5389 nt to 13000 nt | 2.15 | 13 | 6.8 | 4079 | 0.86 | sample13-rep1 | 14.00 | 1.00 | 7.14 |
| 2 | D2 | sample13-rep2 | 5389 nt to 13000 nt | 2.65 | 14 | 7.8 | 9444 | 1.06 | | | | |
| 3 | D3 | sample13-rep3 | 5389 nt to 13000 nt | 3.15 | 15 | 8.8 | 4079 | 1.26 | | | | |
| 1 | D4 | sample14-rep1 | 5389 nt to 13000 nt | 3.65 | 14 | 9.8 | 4079 | 1.46 | sample14-rep1 | 15.00 | 1.00 | 6.67 |
| 2 | D5 | sample14-rep2 | 5389 nt to 13000 nt | 4.15 | 15 | 10.8 | 6983 | 1.66 | | | | |
| 3 | D6 | sample14-rep3 | 5389 nt to 13000 nt | 4.65 | 16 | 11.8 | 6440 | 1.86 | | | | |
| 1 | D7 | sample15-rep1 | 5389 nt to 13000 nt | 5.15 | 15 | 12.8 | 6440 | 2.06 | sample15-rep1 | 16.00 | 1.00 | 6.25 |
| 2 | D8 | sample15-rep2 | 5389 nt to 13000 nt | 5.65 | 16 | 13.8 | 4079 | 2.26 | | | | |
| 3 | D9 | sample15-rep3 | 5389 nt to 13000 nt | 6.15 | 17 | 14.8 | 9444 | 2.46 | | | | |

VALIDATION DATA

Table with 9 columns: REPLICATE, Well, Sample ID, Range, ng/uL, % Total, nmole/L, Avg. Size, %CV. Contains 21 rows of sample data for 7 samples.

Table with 9 columns: REPLICATE, Well, Sample ID, Range, ng/uL, % Total, nmole/L, Avg. Size, %CV. Contains 21 rows of sample data for 7 samples.

RESULTS FOR VALIDATION DATA

Table with 14 columns: REPLICATE, Well, Sample ID, Range, ng/uL, % Total, nmole/L, Avg. Size, %CV, % INTEGRITY SUMMARY, Sample ID, Average, stdev, %CV, FAIL. Contains 21 rows of validation results.