| WP | Soilds | | Summary - / | All Studies | | | 1 | | | | | 1 | | | | | | | |
|--------------|---------------|-------------------------------|------------------------------|-----------------|-----------------------|---------------------------|-------------------------------------|-----|------------|-------------------|--------------------------------|-------|-------|-----------------|---|------------------------------------|---|---------|---|
| Lab Group | Study Type | Study Open Date Minimum | n Study Open Date Maximum | Class Name m | Number of Analytes | Number of individual Labs | Average Number PT per Year | | Acceptable | r Failure Rate | Average Absolute z score | _ | _ | Failure Rate | Significance of difference H0:p1=p2 Failure Rate | (< 5% Significant) Failure Rate | F _{CALC} Average Recovery Variance | Average | Recovery Variance (F _{CALC} < Critical F) |
| 1PT | WP | 5/9/2005 | 12/10/2007 | Soilds | 3 | 44 | 1.05 | 318 | 32 | 10.06% | 1.1875 | 97.2% | 16.5% | 1.989 | 0.023 | Significantly Different | 3.767 | | Significantly Different |
| 2PT | WP | 6/6/2005 | 4/14/2008 | Soilds | 3 | 16 | 1.93 | 254 | 14 | 5.51% | | 97.8% | 8.5% | | <u> </u> | | | 0.0000 | prob H0: V1=V2 |
| | | | n Period (12 m | , | | | <u> </u> | | | | | | | | | | | | |
| 1PT | WP | 6/18/2007 | | | 3 | 43 | NA | 130 | 9 | 6.92% | 1.0805 | 97.1% | 14.7% | 0.529 | 0.299 | Same | 2.743 | | Significantly Different |
| 2PT | WP | 6/18/2007 | 4/14/2008 | Soilds | 3 | 16 | NA | 96 | 5 | 5.21% | 1.0921 | 98.3% | 8.9% | +' | | | <u> </u> | 0.0000 | prob H0: V1=V2 |
| 1PT | WP | 6/12/2006 | 4/16/2007 | Soilds | 3 | 41 | NA | 132 | 20 | 15.15% | 1.4350 | 98.0% | 20.4% | 2.785 | 0.003 | Significantly Different | 8.121 | 1.369 | Significantly Different |
| 2PT | WP | 6/12/2006 | 4/16/2007 | Soilds | 3 | 15 | NA | 101 | 4 | 3.96% | 0.8510 | 96.5% | 7.1% | - | + | | | 0.0000 | prob H0: V1=V2 |
| 1PT | WP | 5/9/2005 | 12/5/2005 | Soilds | 3 | 25 | NA | 56 | 3 | 5.36% | 0.8523 | 95.4% | 8.3% | 0.708 | 0.240 | Same | 0.721 | 1.560 | Same |
| 2PT | WP | 6/6/2005 | 3/13/2006 | Soilds | 3 | 13 | NA | 57 | 5 | 8.77% | 1.0479 | 99.2% | 9.8% | | | | | 0.8868 | prob H0: V1=V2 |
| <u> </u> | | | | | | | | | | | | | | | | | | | |

| WP A | nalyte Si | ummary | | | | |
|--------------|--------------------------|--|--|--------------------|--|---|
| Lab Group | Number of Analytes | Failure Rate Number of analytes Significantly | Failure Rate Percentage of Analytes Significantly | Number of Analytes | Average Recovery Variance Number of | Average Recovery Variance Percentage |
| | | Different High | Different High | | analytes Significantly Different High | Significantly Different High |
| 1PT | 3 | 1 | 33.3% | 3 | 3 | 100.0% |
| 2PT | 3 | 0 | 0.0% | 3 | 0 | 0.0% |
| Same | 3 | 2 | 66.7% | 3 | 0 | 0.0% |

| | , | | | | | | , | | | , | | | | | | | , | , | - |
|------------|-------|------------|--------------|---------------------------|---------|------------|---------|--------|--------------|---------|----------|----------|-----------|-------------------|---------------|-------------------------|-------------------|--------------|----------------------------------|
| Lab | Study | Study Open | Study Open | Analyte Name | NELAC | Number of | Average | Total | Total Number | Failure | Average | Average | Average | Z _{CALC} | Significance | H0: p1=p2 | F _{CALC} | Critial F at | F Test Average |
| Group | Type | Date | Date Maximum | | Analyte | individual | Number | Number | Not | Rate | Absolute | Recovery | Recovery | Failure | of difference | (< 5% Significant) | Average | p=0.05 for | Recovery Variance |
| | | Minimum | | | Number | Labs | PT per | Data | Acceptable | | z score | • | Standard | Rate | H0:p1=p2 | Failure Rate | Recovery | Average | (F _{CALC} < Critical F) |
| | | | | | | | Year | Points | | | | | Deviation | | Failure Rate | | Variance | Recovery | , |
| | | | | | | | | | | | | | | | | | | Variance / | |
| | | | | | | | | | | | | | | | | | | probability | |
| | | | | | | | | | | | | | | | | | | H0:V1=V2 | |
| 1PT 2PT | WP | 5/9/2005 | 12/10/2007 | Total Solids at 105°C | 1950 | 38 | 1.06 | 104 | 12 | 11.54% | 1.3402 | 99.4% | 16.3% | 0.751 | 0.226 | Same | 4.691 | 1.415 | Significantly Different |
| 2PT | WP | 6/6/2005 | 4/14/2008 | Total Solids at 105°C | 1950 | 15 | 1.98 | 85 | 7 | 8.24% | 1.2255 | 99.8% | 7.5% | | | | | 0.0000 | prob H0: V1=V2 |
| | | | | | | | | | | | | | | | | | | | |
| 1PT | WP | 5/9/2005 | 12/10/2007 | Total Dissolved Solids at | t 1955 | 36 | 1.03 | 96 | 10 | 10.42% | 1.0368 | 99.1% | 15.1% | 2.176 | 0.015 | Significantly Different | 3.087 | 1.423 | Significantly Different |
| 2PT | WP | 6/6/2005 | 4/14/2008 | Total Dissolved Solids at | t 1955 | 15 | 1.98 | 85 | 2 | 2.35% | 0.7249 | 100.7% | 8.6% | | | | | 0.0000 | prob H0: V1=V2 |
| | | | | | | | | | | | | | | | | | | | |
| 1PT | WP | 5/9/2005 | 12/10/2007 | Non-Filterable Residue (| 1960 | 43 | 1.06 | 118 | 10 | 8.47% | 1.1754 | 93.6% | 17.3% | 0.674 | 0.250 | Same | 6.088 | 1.406 | Significantly Different |
| 2PT | WP | 6/6/2005 | 4/14/2008 | Non-Filterable Residue (| 1960 | 16 | 1.84 | 84 | 5 | 5.95% | 1.0088 | 92.7% | 7.0% | | | | | 0.0000 | prob H0: V1=V2 |
| | | | | , | | | | | | | | | | | | | | | • |
| | | | | | | | | | | | | | | | | | | | |

| WS | Soilds | | Summary - | All Studies | | | | | | | | | | | | | | | |
|------------|----------|------------------------|----------------------|---|------------------|---------------|--------------|----------|--------------|---------|------------------|-----------------|---------------|-------------------|---------------|--------------------|-------------------|-----------------|--|
| Lab | Study | Study Open | Study Open | Analyte Name | NELAC | Number of | Average | Total | Total Number | Failure | Average | Average | Average | Z _{CALC} | Significance | H0: p1=p2 | F _{CALC} | Critial F at | F Test Average |
| Group | Type | Date | Date Maximum | n | Analyte | individual | Number | Number | Not | Rate | Absolute | Recovery | Recovery | Failure | of difference | (< 5% Significant) | Average | p=0.05 for | Recovery Variance |
| | | Minimum | | | Number | Labs | PT per | Data | Acceptable | | z score | | Standard | Rate | H0:p1=p2 | Failure Rate | Recovery | Average | (F _{CALC} < Critical F) |
| | | | | | | | Year | Points | | | | | Deviation | | Failure Rate | | Variance | Recovery | |
| | | | | | | | | | | | | | | | | | | Variance / | |
| | | | | | | | | | | | | | | | | | | probability | |
| | | | | | | | | | | | | | | | | | | H0:V1=V2 | |
| 1PT | WS | 7/11/2005 | 1/7/2008 | Total Dissolved Solids at 180°C | 1955 | 31 | 1.19 | 92 | 0 | 0.00% | 0.3272 | 100.0% | 8.5% | #DIV/0! | #DIV/0! | #DIV/0! | 1.048 | 1.518 | Same |
| 2PT | WS | 7/11/2005 | 4/7/2008 | Total Dissolved Solids at 180°C | 1955 | 10 | 1.97 | 54 | 0 | 0.00% | 0.3296 | 99.4% | 8.3% | | | | | 0.4329 | prob H0: V1=V2 |
| | | | | | | | | | | | | | | | | | | | |
| Stud | es by Ac | creditation | Period (12 m | onths) | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |
| 1PT | WS | 7/9/2007 | 1/7/2008 | Total Dissolved Solids at 180°C | 1955 | 29 | 2.14 | 31 | 0 | 0.00% | 0.3406 | 99.9% | 8.4% | #DIV/0! | #DIV/0! | #DIV/0! | 1.543 | 2.148 | Same |
| 2PT | WS | 7/9/2007 | 4/7/2008 | Total Dissolved Solids at 180°C | 1955 | 9 | 2.67 | 18 | 0 | 0.00% | 0.2941 | 102.1% | 6.8% | | | | | 0.1745 | prob H0: V1=V2 |
| | | | | | | | | | | | | | | | | | | | |
| 1PT | WS | 7/10/2006 | 1/8/2007 | Total Dissolved Solids at 180°C | 1955 | 30 | 2.07 | 31 | 0 | 0.00% | 0.1837 | 99.5% | 4.9% | #DIV/0! | #DIV/0! | #DIV/0! | 0.193 | 2.107 | Significantly Different |
| 2PT | WS | 7/10/2006 | 4/9/2007 | Total Dissolved Solids at 180°C | 1955 | 9 | 2.82 | 19 | 0 | 0.00% | 0.4546 | 97.3% | 11.2% | | | | | 1.0000 | prob H0: V1=V2 |
| 4 D.T. | MC | 7/44/2005 | 4/0/2000 | Total Dissalved Calida at 1909C | 1055 | 20 | 2.07 | 20 | 0 | 0.000/ | 0.4047 | 400 50/ | 44.00/ | #DIV//OI | #DIV//OI | #DIV/0I | F 070 | 2 200 | Cignificantly Different |
| 1PT 2PT | WS WS | 7/11/2005 7/11/2005 | 1/9/2006 1/9/2006 | Total Dissolved Solids at 180°C Total Dissolved Solids at 180°C | 1955 1955 | 29 9 | 2.07 3.79 | 30 17 | 0 | 0.00% | 0.4617 0.2274 | 100.5% 98.8% | 11.3% 5.0% | #DIV/0! | #DIV/0! | #DIV/0! | 5.079 | 2.200 0.0006 | Significantly Different prob H0: V1=V2 |
| 2P I | WS | 7/11/2005 | 1/9/2006 | Total Dissolved Solids at 180°C | 1955 | 9 | 3.79 | 17 | U | 0.00% | 0.2274 | 98.8% | 5.0% | | | | | 0.0006 | prob Hu: V I=V2 |
| - | | | | | | | | | | | | | | | | | | | |
| WS A | nalyte S | ımmarı/ | | | | | | | | | | | | | | | | | |
| VVSF | maryte S | ullillary | | | | | | | | | | | | | | | | | |
| Lab | Number | Failure Rate | Failure Rate | Number of Analytes | Average | Average | | | | | | | | | | | | | |
| Group | | Number of | Percentage of | | Recovery | Recovery | | | | | | | | | | | | | |
| Group | Analytes | | Analytes | | Variance | Variance | | | | | | | | | | | | | |
| | Analytes | Significantly | Significantly | | Number of | Percentage | | | | | | | | | | | | | |
| | | Different High | | | analytes | Significantly | | | | | | | | | | | | | |
| | | Directorit riigir | Billerent riigh | | Significantly | Different | | | | | | | | | | | | | |
| | | | | | Different High | High | | | | | | | | | | | | | |
| | | | | | 2.iioioik riigii | 19.1 | | | | | | | | | | | | | |
| 1PT | 1 | 0 | 0.0% | 1 | 0 | 0.0% | | | | | | | | | | | | | |
| 2PT | 1 | 0 | 0.0% | 1 | 0 | 0.0% | | | | | | | | | | | | | |
| Same | 1 | 1 | 100.0% | 1 | 1 | 100.0% | | | | | | | | | | | | | - |