**ENCLOSURE 7**

**DTN: LL030410012251.056**

## 2 $^{1}/_{2}$ YEAR Titanium ALLOY CREVICE & WEIGHTLOSS COUPON CORROSION RATE AFTER FINAL CLEANING

| Sample ID # | Corrosion rate (nanometers/yr) | Titanium Alloys N = Ti Gr 7 | Sample ID # | Corrosion rate (nanometers/yr) |
|---|---|---|---|---|
| NWA 001 | -2.92 | | NCA 013 | 0.00 |
| NWA 002 | 0.00 | | NCA 014 | 3.11 |
| NWA 003 | 0.00 | | NCA 015 | 3.11 |
| NWA 028 | 0.00 | | NCA 016 | 0.00 |
| NWA 029 | 0.00 | | NCA 017 | 1.56 |
| NWA 030 | 0.00 | | NCA 018 | 1.56 |
| NWA 031 | 2.93 | | NCA 043 | 0.00 |
| NWA 036 | 0.00 | | NCA 044 | 0.00 |
| NWA 041 | 8.74 | | NCA 045 | -1.55 |
| NWA 046 | 23.15 | | NCA 046 | 1.55 |
| NWA 051 | -8.64 | | NCA 047 | 3.09 |
| NWA 056 | 0.00 | | NCA 048 | 3.10 |
| NWA 061 | 0.00 | | NCA 073 | 0.00 |
| NWA 062 | -5.81 | | NCA 074 | 3.10 |
| NWA 063 | 2.90 | | NCA 075 | -3.11 |
| NWA 088 | 0.00 | | NCA 076 | 12.44 |
| NWA 089 | 2.91 | | NCA 077 | 7.78 |
| NWA 090 | 14.59 | | NCA 078 | 7.76 |
| NWA 091 | 2.94 | | NCA 103 | -10.80 |
| NWA 092 | 5.84 | | NCA 104 | -6.17 |
| NWA 093 | 2.94 | | NCA 105 | 0.00 |
| NWA 118 | 23.37 | | NCA 106 | 27.72 |
| NWA 119 | 2.92 | | NCA 107 | 38.45 |
| NWA 120 | 26.30 | | NCA 108 | 30.83 |
| NWA 121 | 0.00 | | NCA 133 | -6.13 |
| NWA 122 | 14.49 | | NCA 134 | 0.00 |
| NWA 123 | -8.69 | | NCA 135 | 0.00 |
| NWA 148 | 43.57 | | NCA 136 | 0.00 |
| NWA 149 | 43.63 | | NCA 137 | 0.00 |
| NWA 150 | 46.29 | | NCA 138 | -4.59 |
| NWA 151 | 0.00 | | NCA 163 | 7.65 |
| NWA 152 | 2.88 | | NCA 164 | -10.70 |

## 2 1/2 YEAR Titanium ALLOY CREVICE & WEIGHTLOSS COUPON CORROSION RATE AFTER FINAL CLEANING

| Sample ID # | Corrosion rate (nanometers/yr) | Titanium Alloys N = Ti Gr 7 | Sample ID # | Corrosion rate (nanometers/yr) |
|---|---|---|---|---|
| NWA 153 | 0.00 | | NCA 165 | -10.70 |
| NWA 178 | 2.89 | | NCA 166 | -6.11 |
| NWA 179 | 5.77 | | NCA 167 | -6.11 |
| NWA 180 | 2.89 | | NCA 168 | -1.53 |
| NWA 181 | 0.00 | | NCE 013 | 0.00 |
| NWA 182 | 0.00 | | NCE 014 | 3.16 |
| NWA 183 | -5.75 | | NCE 015 | NC |
| NWA 208 | 0.00 | | NCE 016 | 1.58 |
| NWA 209 | 0.00 | | NCE 017 | 1.58 |
| NWA 210 | 0.00 | | NCE 018 | NC |
| NWE 001 | 2.96 | | NCE 043 | 0.00 |
| NWE 002 | 2.95 | | NCE 044 | 4.71 |
| NWE 003 | 2.96 | | NCE 045 | NC |
| NWE 028 | 0.00 | | NCE 046 | 1.57 |
| NWE 029 | 0.00 | | NCE 047 | 3.12 |
| NWE 030 | 2.95 | | NCE 048 | NC |
| NWE 031 | NC | | NCE 073 | 1.58 |
| NWE 036 | NC | | NCE 074 | 3.16 |
| NWE 041 | NC | | NCE 075 | NC |
| NWE 046 | NC | | NCE 076 | 6.31 |
| NWE 051 | NC | | NCE 077 | 4.73 |
| NWE 060 | NC | | NCE 078 | NC |
| NWE 061 | 2.94 | | NCE 103 | 1.56 |
| NWE 062 | 5.88 | | NCE 104 | 0.00 |
| NWE 063 | 5.87 | | NCE 105 | NC |
| NWE 088 | 17.64 | | NCE 106 | 28.07 |
| NWE 089 | 2.94 | | NCE 107 | 32.65 |
| NWE 090 | 2.94 | | NCE 108 | NC |
| NWE 091 | 5.88 | | NCE 133 | 1.56 |
| NWE 092 | 2.96 | | NCE 134 | 0.00 |
| NWE 093 | 5.90 | | NCE 135 | NC |
| NWE 118 | 11.83 | | NCE 136 | 1.56 |

## 2 1/2 YEAR Titanium ALLOY CREVICE & WEIGHTLOSS COUPON CORROSION RATE AFTER FINAL CLEANING

| Sample ID # | Corrosion rate (nanometers/yr) | Titanium Alloys N = Ti Gr 7 | Sample ID # | Corrosion rate (nanometers/yr) |
|---|---|---|---|---|
| NWE 119 | 14.83 | | NCE 137 | 0.00 |
| NWE 120 | 17.64 | | NCE 138 | NC |
| NWE 121 | 0.00 | | NCE 163 | -6.20 |
| NWE 122 | 0.00 | | NCE 164 | -7.74 |
| NWE 123 | 0.00 | | NCE 165 | NC |
| NWE 148 | 43.75 | | NCE 166 | -3.10 |
| NWE 149 | 49.70 | | NCE 167 | 0.00 |
| NWE 150 | 49.46 | | NCE 168 | NC |
| NWE 151 | 0.00 | | | |
| NWE 152 | 0.00 | | | |
| NWE 153 | 0.00 | | NC | indicates not cleaned |
| NWE 178 | 0.00 | | | |
| NWE 179 | 0.00 | | | |
| NWE 180 | 0.00 | | | |
| NWE 181 | 0.00 | | | |
| NWE 182 | -8.68 | | | |
| NWE 183 | 0.00 | | | |
| NWE 208 | 0.00 | | | |
| NWE 209 | 0.00 | | | |
| NWE 210 | 2.92 | | | |

# 2 1/2 YEAR Titanium Gr 7 WEIGHTLOSS COUPONS CORROSION RATE AFTER CLEANING

## Final Cleaning of Coupons

| Corrosion Rate Factors from Formula ASTM G1-90 | | | | | | A (Area) see note below | D (Density) see note below | T (Time) see note below | K (Corrosion Rate Constant) see note below | | W (Weight) see note below | (K*W) *(-1)/ (A*T*D) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **N = Ti Gr 7** | | | | | | | | | | | | |
| **Sample Identification** | **Test Environment** | **Weight (g)** | **Length (in)** | **Width (in)** | **Thickness (in)** | **Surface Area (sq cm)** | **Density (g/cc)** | **Exposed Time (hours)** | **Constant from G1-90** | **Average Weight Cleaned (g)** | **Delta Weight change from Initial (g)** | **Corrosion Rate (nanometers/yr)** |
| NWA 001 | 60 c Vapor Phase SAW | 19.7034 | 2.0110 | 1.0085 | 0.1385 | 31.4544 | 4.51 | 21168 | 8.76E+10 | 19.7035 | 0.0001 | -2.92 |
| NWA 002 | 60 c Vapor Phase SAW | 19.7235 | 2.0055 | 1.0040 | 0.1390 | 31.2711 | 4.51 | 21168 | 8.76E+10 | 19.7235 | 0.0000 | 0.00 |
| NWA 003 | 60 c Vapor Phase SAW | 19.7209 | 2.0090 | 1.0075 | 0.1385 | 31.3971 | 4.51 | 21168 | 8.76E+10 | 19.7209 | 0.0000 | 0.00 |
| NWA 028 | 60 c Aqueous Phase SAW | 19.5092 | 2.0075 | 1.0080 | 0.1365 | 31.2983 | 4.51 | 21168 | 8.76E+10 | 19.5092 | 0.0000 | 0.00 |
| NWA 029 | 60 c Aqueous Phase SAW | 19.8280 | 2.0070 | 1.0070 | 0.1390 | 31.3763 | 4.51 | 21168 | 8.76E+10 | 19.8280 | 0.0000 | 0.00 |
| NWA 030 | 60 c Aqueous Phase SAW | 19.6379 | 2.0095 | 1.0075 | 0.1375 | 31.3593 | 4.51 | 21168 | 8.76E+10 | 19.6379 | 0.0000 | 0.00 |
| NWA 031 | 60 c Waterline SAW | 19.7656 | 2.0065 | 1.0070 | 0.1390 | 31.3689 | 4.51 | 21168 | 8.76E+10 | 19.7655 | -0.0001 | 2.93 |
| NWA 036 | 90 c Waterline SAW | 19.8289 | 2.0085 | 1.0050 | 0.1385 | 31.3205 | 4.51 | 21288 | 8.76E+10 | 19.8289 | 0.0000 | 0.00 |
| NWA 041 | 60 c Waterline SCW | 20.0244 | 2.0100 | 1.0055 | 0.1405 | 31.4469 | 4.51 | 21192 | 8.76E+10 | 20.0241 | -0.0003 | 8.74 |
| NWA 046 | 90 c Waterline SCW | 19.8194 | 2.0065 | 1.0090 | 0.1390 | 31.4243 | 4.51 | 21360 | 8.76E+10 | 19.8186 | -0.0008 | 23.15 |
| NWA 051 | 60 c Waterline SDW | 19.9752 | 2.0050 | 1.0080 | 0.1405 | 31.4422 | 4.51 | 21456 | 8.76E+10 | 19.9755 | 0.0003 | -8.64 |
| NWA 056 | 90 C Waterline SDW | 19.9738 | 2.0035 | 1.0075 | 0.1400 | 31.3836 | 4.51 | 21528 | 8.76E+10 | 19.9738 | 0.0000 | 0.00 |
| NWA 061 | 90 c Vapor Phase SAW | 20.0404 | 2.0080 | 1.0060 | 0.1395 | 31.3860 | 4.51 | 21288 | 8.76E+10 | 20.0404 | 0.0000 | 0.00 |
| NWA 062 | 90 c Vapor Phase SAW | 19.9364 | 2.0090 | 1.0055 | 0.1395 | 31.3869 | 4.51 | 21288 | 8.76E+10 | 19.9366 | 0.0002 | -5.81 |
| NWA 063 | 90 c Vapor Phase SAW | 20.0349 | 2.0090 | 1.0065 | 0.1405 | 31.4599 | 4.51 | 21288 | 8.76E+10 | 20.0348 | -0.0001 | 2.90 |
| NWA 088 | 90 c Aqueous Phase SAW | 19.6836 | 2.0060 | 1.0075 | 0.1380 | 31.3302 | 4.51 | 21288 | 8.76E+10 | 19.6836 | 0.0000 | 0.00 |
| NWA 089 | 90 c Aqueous Phase SAW | 19.7788 | 2.0030 | 1.0090 | 0.1380 | 31.3273 | 4.51 | 21288 | 8.76E+10 | 19.7787 | -0.0001 | 2.91 |
| NWA 090 | 90 c Aqueous Phase SAW | 19.4982 | 2.0070 | 1.0060 | 0.1370 | 31.2582 | 4.51 | 21288 | 8.76E+10 | 19.4977 | -0.0005 | 14.59 |
| NWA 091 | 60 c Vapor Phase SCW | 19.6171 | 2.0065 | 1.0040 | 0.1375 | 31.2181 | 4.51 | 21192 | 8.76E+10 | 19.6170 | -0.0001 | 2.94 |
| NWA 092 | 60 c Vapor Phase SCW | 19.8399 | 2.0070 | 1.0070 | 0.1395 | 31.3989 | 4.51 | 21192 | 8.76E+10 | 19.8397 | -0.0002 | 5.84 |
| NWA 093 | 60 c Vapor Phase SCW | 19.5511 | 2.0080 | 1.0035 | 0.1365 | 31.1812 | 4.51 | 21192 | 8.76E+10 | 19.5510 | -0.0001 | 2.94 |
| NWA 118 | 60 c Aqueous Phase SCW | 19.6531 | 2.0065 | 1.0090 | 0.1380 | 31.3791 | 4.51 | 21192 | 8.76E+10 | 19.6523 | -0.0008 | 23.37 |
| NWA 119 | 60 c Aqueous Phase SCW | 20.0680 | 2.0085 | 1.0070 | 0.1395 | 31.4211 | 4.51 | 21192 | 8.76E+10 | 20.0679 | -0.0001 | 2.92 |
| NWA 120 | 60 c Aqueous Phase SCW | 19.8432 | 2.0040 | 1.0100 | 0.1380 | 31.3697 | 4.51 | 21192 | 8.76E+10 | 19.8423 | -0.0009 | 26.30 |
| NWA 121 | 90 c Vapor Phase SCW | 19.9936 | 2.0100 | 1.0065 | 0.1400 | 31.4521 | 4.51 | 21360 | 8.76E+10 | 19.9936 | 0.0000 | 0.00 |
| NWA 122 | 90 c Vapor Phase SCW | 19.7010 | 2.0060 | 1.0065 | 0.1395 | 31.3703 | 4.51 | 21360 | 8.76E+10 | 19.7005 | -0.0005 | 14.49 |
| NWA 123 | 90 c Vapor Phase SCW | 19.7222 | 2.0070 | 1.0070 | 0.1395 | 31.3989 | 4.51 | 21360 | 8.76E+10 | 19.7225 | 0.0003 | -8.69 |

| Sample Identification | Test Environment | Weight (g) | Length (in) | Width (in) | Thickness (in) | Surface Area (sq cm) | Density (g/cc) | Exposed Time (hours) | Constant from G1-90 | Average Weight Cleaned (g) | Delta Weight change from Initial (g) | Corrosion Rate (nanometers/yr) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| NWA 148 | 90 c Aqueous Phase SCW | 19.3840 | 2.0080 | 1.0105 | 0.1350 | 31.3070 | 4.51 | 21360 | 8.76E+10 | 19.3825 | -0.0015 | 43.57 |
| NWA 149 | 90 c Aqueous Phase SCW | 19.3515 | 2.0055 | 1.0070 | 0.1370 | 31.2637 | 4.51 | 21360 | 8.76E+10 | 19.3500 | -0.0015 | 43.63 |
| NWA 150 | 90 c Aqueous Phase SCW | 19.4907 | 2.0100 | 1.0090 | 0.1380 | 31.4309 | 4.51 | 21360 | 8.76E+10 | 19.4891 | -0.0016 | 46.29 |
| NWA 151 | 60 c Vapor Phase SDW | 19.7082 | 2.0070 | 1.0080 | 0.1380 | 31.3588 | 4.51 | 21456 | 8.76E+10 | 19.7082 | 0.0000 | 0.00 |
| NWA 152 | 60 c Vapor Phase SDW | 19.6336 | 2.0085 | 1.0070 | 0.1390 | 31.3985 | 4.51 | 21456 | 8.76E+10 | 19.6335 | -0.0001 | 2.88 |
| NWA 153 | 60 c Vapor Phase SDW | 19.6778 | 2.0040 | 1.0085 | 0.1385 | 31.3508 | 4.51 | 21456 | 8.76E+10 | 19.6778 | 0.0000 | 0.00 |
| NWA 178 | 60 c Aqueous Phase SDW | 19.8392 | 2.0095 | 1.0045 | 0.1395 | 31.3666 | 4.51 | 21456 | 8.76E+10 | 19.8391 | -0.0001 | 2.89 |
| NWA 179 | 60 c Aqueous Phase SDW | 19.6181 | 2.0065 | 1.0080 | 0.1385 | 31.3740 | 4.51 | 21456 | 8.76E+10 | 19.6179 | -0.0002 | 5.77 |
| NWA 180 | 60 c Aqueous Phase SDW | 19.5683 | 2.0105 | 1.0055 | 0.1375 | 31.3186 | 4.51 | 21456 | 8.76E+10 | 19.5682 | -0.0001 | 2.89 |
| NWA 181 | 90 C Vapor Phase SDW | 19.7096 | 2.0020 | 1.0065 | 0.1390 | 31.2886 | 4.51 | 21528 | 8.76E+10 | 19.7096 | 0.0000 | 0.00 |
| NWA 182 | 90 C Vapor Phase SDW | 19.8119 | 2.0080 | 1.0085 | 0.1390 | 31.4327 | 4.51 | 21528 | 8.76E+10 | 19.8119 | 0.0000 | 0.00 |
| NWA 183 | 90 C Vapor Phase SDW | 19.7966 | 2.0095 | 1.0060 | 0.1390 | 31.3856 | 4.51 | 21528 | 8.76E+10 | 19.7968 | 0.0002 | -5.75 |
| NWA 208 | 90 C Aqueous Phase SDW | 19.7749 | 2.0065 | 1.0110 | 0.1380 | 31.4344 | 4.51 | 21528 | 8.76E+10 | 19.7749 | 0.0000 | 0.00 |
| NWA 209 | 90 C Aqueous Phase SDW | 19.5930 | 2.0115 | 1.0060 | 0.1380 | 31.3698 | 4.51 | 21528 | 8.76E+10 | 19.5930 | 0.0000 | 0.00 |
| NWA 210 | 90 C Aqueous Phase SDW | 19.8404 | 2.0075 | 1.0045 | 0.1400 | 31.3597 | 4.51 | 21528 | 8.76E+10 | 19.8404 | 0.0000 | 0.00 |
| NWE 001 | 60 c Vapor Phase SAW | 19.0814 | 2.0040 | 0.9975 | 0.1370 | 30.9792 | 4.51 | 21168 | 8.76E+10 | 19.0813 | -0.0001 | 2.96 |
| NWE 002 | 60 c Vapor Phase SAW | 19.3582 | 2.0045 | 0.9985 | 0.1385 | 31.0817 | 4.51 | 21168 | 8.76E+10 | 19.3581 | -0.0001 | 2.95 |
| NWE 003 | 60 c Vapor Phase SAW | 19.2196 | 2.0040 | 0.9995 | 0.1370 | 31.0344 | 4.51 | 21168 | 8.76E+10 | 19.2195 | -0.0001 | 2.96 |
| NWE 028 | 60 c Aqueous Phase SAW | 19.2116 | 2.0045 | 0.9975 | 0.1370 | 30.9865 | 4.51 | 21168 | 8.76E+10 | 19.2116 | 0.0000 | 0.00 |
| NWE 029 | 60 c Aqueous Phase SAW | 19.5519 | 2.0055 | 1.0005 | 0.1380 | 31.1292 | 4.51 | 21168 | 8.76E+10 | 19.5519 | 0.0000 | 0.00 |
| NWE 030 | 60 c Aqueous Phase SAW | 19.4061 | 2.0050 | 1.0000 | 0.1375 | 31.0854 | 4.51 | 21168 | 8.76E+10 | 19.4060 | -0.0001 | 2.95 |
| NWE 031 | 60 c Waterline SAW | 19.5916 | 2.0055 | 0.9975 | 0.1390 | 31.0913 | 4.51 | 21168 | 8.76E+10 | **NC** | **NC** | **NC** |
| NWE 036 | 90 c Waterline SAW | 19.3028 | 2.0030 | 0.9975 | 0.1370 | 30.9645 | 4.51 | 21288 | 8.76E+10 | **NC** | **NC** | **NC** |
| NWE 041 | 60 c Waterline SCW | 19.3577 | 2.0035 | 0.9980 | 0.1370 | 30.9856 | 4.51 | 21192 | 8.76E+10 | **NC** | **NC** | **NC** |
| NWE 046 | 90 c Waterline SCW | 19.1717 | 2.0060 | 0.9985 | 0.1360 | 30.9910 | 4.51 | 21360 | 8.76E+10 | **NC** | **NC** | **NC** |
| NWE 051 | 60 c Waterline SDW | 19.3040 | 2.0040 | 0.9985 | 0.1365 | 30.9842 | 4.51 | 21456 | 8.76E+10 | **NC** | **NC** | **NC** |
| NWE 060 | 90 C Waterline SDW | 19.3838 | 2.0050 | 1.0010 | 0.1375 | 31.1131 | 4.51 | 21528 | 8.76E+10 | **NC** | **NC** | **NC** |
| NWE 061 | 90 c Vapor Phase SAW | 19.2797 | 2.0045 | 0.9990 | 0.1365 | 31.0054 | 4.51 | 21288 | 8.76E+10 | 19.2796 | -0.0001 | 2.94 |
| NWE 062 | 90 c Vapor Phase SAW | 19.5419 | 2.0055 | 0.9965 | 0.1385 | 31.0411 | 4.51 | 21288 | 8.76E+10 | 19.5417 | -0.0002 | 5.88 |
| NWE 063 | 90 c Vapor Phase SAW | 19.5142 | 2.0040 | 1.0000 | 0.1380 | 31.0933 | 4.51 | 21288 | 8.76E+10 | 19.5140 | -0.0002 | 5.87 |
| NWE 088 | 90 c Aqueous Phase SAW | 19.4832 | 2.0050 | 0.9950 | 0.1395 | 31.0373 | 4.51 | 21288 | 8.76E+10 | 19.4826 | -0.0006 | 17.64 |
| NWE 089 | 90 c Aqueous Phase SAW | 19.5752 | 2.0045 | 0.9955 | 0.1395 | 31.0438 | 4.51 | 21288 | 8.76E+10 | 19.5751 | -0.0001 | 2.94 |
| NWE 090 | 90 c Aqueous Phase SAW | 19.4703 | 1.9995 | 0.9980 | 0.1385 | 30.9946 | 4.51 | 21288 | 8.76E+10 | 19.4702 | -0.0001 | 2.94 |

| Sample Identification | Test Environment | Weight (g) | Length (in) | Width (in) | Thickness (in) | Surface Area (sq cm) | Density (g/cc) | Exposed Time (hours) | Constant from G1-90 | Average Weight Cleaned (g) | Delta Weight change from Initial (g) | Corrosion Rate (nanometers/yr) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| NWE 091 | 60 c Vapor Phase SCW | 19.4999 | 2.0050 | 1.0015 | 0.1380 | 31.1495 | 4.51 | 21192 | 8.76E+10 | 19.4997 | -0.0002 | 5.88 |
| NWE 092 | 60 c Vapor Phase SCW | 19.1131 | 2.0050 | 0.9990 | 0.1355 | 30.9676 | 4.51 | 21192 | 8.76E+10 | 19.1130 | -0.0001 | 2.96 |
| NWE 093 | 60 c Vapor Phase SCW | 19.4347 | 2.0040 | 0.9990 | 0.1385 | 31.0882 | 4.51 | 21192 | 8.76E+10 | 19.4345 | -0.0002 | 5.90 |
| NWE 118 | 60 c Aqueous Phase SCW | 19.5081 | 2.0035 | 0.9955 | 0.1385 | 30.9841 | 4.51 | 21192 | 8.76E+10 | 19.5077 | -0.0004 | 11.83 |
| NWE 119 | 60 c Aqueous Phase SCW | 19.1854 | 2.0040 | 0.9960 | 0.1360 | 30.8927 | 4.51 | 21192 | 8.76E+10 | 19.1849 | -0.0005 | 14.83 |
| NWE 120 | 60 c Aqueous Phase SCW | 19.6633 | 2.0040 | 0.9975 | 0.1415 | 31.1819 | 4.51 | 21192 | 8.76E+10 | 19.6627 | -0.0006 | 17.64 |
| NWE 121 | 90 c Vapor Phase SCW | 19.9355 | 2.0030 | 0.9980 | 0.1420 | 31.2036 | 4.51 | 21360 | 8.76E+10 | 19.9355 | 0.0000 | 0.00 |
| NWE 122 | 90 c Vapor Phase SCW | 19.8826 | 2.0045 | 0.9990 | 0.1410 | 31.2082 | 4.51 | 21360 | 8.76E+10 | 19.8826 | 0.0000 | 0.00 |
| NWE 123 | 90 c Vapor Phase SCW | 19.3288 | 2.0040 | 0.9950 | 0.1385 | 30.9776 | 4.51 | 21360 | 8.76E+10 | 19.3288 | 0.0000 | 0.00 |
| NWE 148 | 90 c Aqueous Phase SCW | 19.9850 | 2.0030 | 0.9970 | 0.1420 | 31.1759 | 4.51 | 21360 | 8.76E+10 | 19.9835 | -0.0015 | 43.75 |
| NWE 149 | 90 c Aqueous Phase SCW | 20.2078 | 2.0030 | 0.9870 | 0.1465 | 31.1012 | 4.51 | 21360 | 8.76E+10 | 20.2061 | -0.0017 | 49.70 |
| NWE 150 | 90 c Aqueous Phase SCW | 20.0465 | 2.0030 | 0.9990 | 0.1425 | 31.2538 | 4.51 | 21360 | 8.76E+10 | 20.0448 | -0.0017 | 49.46 |
| NWE 151 | 60 c Vapor Phase SDW | 20.0856 | 2.0030 | 0.9990 | 0.1420 | 31.2312 | 4.51 | 21456 | 8.76E+10 | 20.0856 | 0.0000 | 0.00 |
| NWE 152 | 60 c Vapor Phase SDW | 20.0983 | 2.0030 | 0.9970 | 0.1420 | 31.1759 | 4.51 | 21456 | 8.76E+10 | 20.0983 | 0.0000 | 0.00 |
| NWE 153 | 60 c Vapor Phase SDW | 19.7808 | 2.0030 | 0.9980 | 0.1415 | 31.1810 | 4.51 | 21456 | 8.76E+10 | 19.7808 | 0.0000 | 0.00 |
| NWE 178 | 60 c Aqueous Phase SDW | 19.7121 | 2.0030 | 0.9965 | 0.1405 | 31.0945 | 4.51 | 21456 | 8.76E+10 | 19.7121 | 0.0000 | 0.00 |
| NWE 179 | 60 c Aqueous Phase SDW | 20.0503 | 2.0020 | 0.9995 | 0.1410 | 31.1853 | 4.51 | 21456 | 8.76E+10 | 20.0503 | 0.0000 | 0.00 |
| NWE 180 | 60 c Aqueous Phase SDW | 19.9878 | 2.0025 | 1.0000 | 0.1410 | 31.2065 | 4.51 | 21456 | 8.76E+10 | 19.9878 | 0.0000 | 0.00 |
| NWE 181 | 90 C Vapor Phase SDW | 20.2158 | 2.0025 | 0.9970 | 0.1440 | 31.2586 | 4.51 | 21528 | 8.76E+10 | 20.2158 | 0.0000 | 0.00 |
| NWE 182 | 90 C Vapor Phase SDW | 20.1319 | 2.0030 | 0.9955 | 0.1430 | 31.1794 | 4.51 | 21528 | 8.76E+10 | 20.1322 | 0.0003 | -8.68 |
| NWE 183 | 90 C Vapor Phase SDW | 19.6846 | 2.0025 | 0.9955 | 0.1395 | 31.0145 | 4.51 | 21528 | 8.76E+10 | 19.6846 | 0.0000 | 0.00 |
| NWE 208 | 90 C Aqueous Phase SDW | 19.2505 | 2.0020 | 0.9980 | 0.1355 | 30.8961 | 4.51 | 21528 | 8.76E+10 | 19.2505 | 0.0000 | 0.00 |
| NWE 209 | 90 C Aqueous Phase SDW | 19.4925 | 2.0020 | 0.9960 | 0.1385 | 30.9760 | 4.51 | 21528 | 8.76E+10 | 19.4925 | 0.0000 | 0.00 |
| NWE 210 | 90 C Aqueous Phase SDW | 19.3798 | 2.0005 | 0.9965 | 0.1380 | 30.9453 | 4.51 | 21528 | 8.76E+10 | 19.3797 | -0.0001 | 2.92 |

The surface area of the coupon is calculated from the physical measurements obtained when the coupon was initial entered into the database, the area covered by the spacers are included in the exposed area calculation, along wiht the rim of the center hole, the mounting hole in the specimen is 0.312" +.005"/-.002"

(((2*Width*Length)+(2*Width*Thickness)+(2*Length*Thickness))-(0.1529)+(0.9802*Tickness))*6.4516

The density of the Alloy is that reported by the manufacturer

The time exposed in test is calculated from the start date to the final date of the coupon in test and converted into hours

The corrosion constant is from ASTM G1-90 section 8.1

Three weighings are performed over time to ensure that the weight is not changing due to the specimen drying, this ensures that the specimen is dry and that any error in weighing can be caught by the next weighing of the specimen. The weight change from cleaning the coupons is obtained by the calculating the average from the the three final weighings of the specimens minus the initial starting weight

Some coupons show a negative corrosion rate, these coupons were retreated in the cleaning process (some more than twice) until all deposits were removed, as determined by SEM imaging of representative specimens

# 2 1/2 YEAR Titanium Gr 7 CREVICE COUPONS CORROSION RATE AFTER CLEANING

## Final Cleaning of Coupons

| Corrosion Rate Factors from Formula ASTM G1-90 | | | | | | A (Area) see note below | T (Time) see note below | D (Density) see note below | K (Corrosion Rate Constant) see note below | | W (Weight) see note below | (K*W) *(-1)/ (A*T*D) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **N = Gr 7** | | | | | | | | | | | | |
| **Sample Identification** | **Test Environment** | **Weight (g)** | **Length (in)** | **Width (in)** | **Thickness (in)** | **Surface Area (sq cm)** | **Exposed Time (hours)** | **Density (g/cc)** | **Constant from G1-90** | **Average Weight Cleaned (g)** | **Delta Weight change from Initial (g)** | **Corrosion Rate (nanometers/yr)** |
| NCA 013 | 60 c Vapor Phase SAW | 41.4257 | 2.0010 | 2.0005 | 0.1435 | 58.9818 | 21168 | 4.51 | 8.76E+10 | 41.4257 | 0.0000 | 0.00 |
| NCA 014 | 60 c Vapor Phase SAW | 41.4461 | 2.0000 | 2.0000 | 0.1435 | 58.9403 | 21168 | 4.51 | 8.76E+10 | 41.4459 | -0.0002 | 3.11 |
| NCA 015 | 60 c Vapor Phase SAW | 41.4056 | 1.9990 | 2.0005 | 0.1435 | 58.9264 | 21168 | 4.51 | 8.76E+10 | 41.4054 | -0.0002 | 3.11 |
| NCA 016 | 60 c Aqueous Phase SAW | 41.2670 | 2.0000 | 2.0010 | 0.1430 | 58.9389 | 21168 | 4.51 | 8.76E+10 | 41.2670 | 0.0000 | 0.00 |
| NCA 017 | 60 c Aqueous Phase SAW | 41.3505 | 2.0000 | 2.0005 | 0.1430 | 58.9251 | 21168 | 4.51 | 8.76E+10 | 41.3504 | -0.0001 | 1.56 |
| NCA 018 | 60 c Aqueous Phase SAW | 41.4080 | 2.0000 | 2.0000 | 0.1430 | 58.9113 | 21168 | 4.51 | 8.76E+10 | 41.4079 | -0.0001 | 1.56 |
| NCA 043 | 90 c Vapor Phase SAW | 41.2660 | 2.0000 | 2.0000 | 0.1435 | 58.9403 | 21288 | 4.51 | 8.76E+10 | 41.2660 | 0.0000 | 0.00 |
| NCA 044 | 90 c Vapor Phase SAW | 41.4238 | 1.9995 | 2.0000 | 0.1440 | 58.9554 | 21288 | 4.51 | 8.76E+10 | 41.4238 | 0.0000 | 0.00 |
| NCA 045 | 90 c Vapor Phase SAW | 41.1396 | 2.0000 | 2.0000 | 0.1430 | 58.9113 | 21288 | 4.51 | 8.76E+10 | 41.1397 | 0.0001 | -1.55 |
| NCA 046 | 90 c Aqueous Phase SAW | 41.4885 | 2.0000 | 2.0005 | 0.1440 | 58.9831 | 21288 | 4.51 | 8.76E+10 | 41.4884 | -0.0001 | 1.55 |
| NCA 047 | 90 c Aqueous Phase SAW | 41.3064 | 2.0000 | 2.0010 | 0.1435 | 58.9679 | 21288 | 4.51 | 8.76E+10 | 41.3062 | -0.0002 | 3.09 |
| NCA 048 | 90 c Aqueous Phase SAW | 41.2977 | 2.0005 | 1.9995 | 0.1435 | 58.9403 | 21288 | 4.51 | 8.76E+10 | 41.2975 | -0.0002 | 3.10 |
| NCA 073 | 60 c Vapor Phase SCW | 41.7163 | 1.9985 | 1.9990 | 0.1450 | 58.9580 | 21192 | 4.51 | 8.76E+10 | 41.7163 | 0.0000 | 0.00 |
| NCA 074 | 60 c Vapor Phase SCW | 41.7550 | 1.9995 | 2.0005 | 0.1455 | 59.0561 | 21192 | 4.51 | 8.76E+10 | 41.7548 | -0.0002 | 3.10 |
| NCA 075 | 60 c Vapor Phase SCW | 41.8126 | 1.9990 | 1.9990 | 0.1455 | 59.0008 | 21192 | 4.51 | 8.76E+10 | 41.8128 | 0.0002 | -3.11 |
| NCA 076 | 60 c Aqueous Phase SCW | 41.5848 | 2.0000 | 1.9985 | 0.1445 | 58.9567 | 21192 | 4.51 | 8.76E+10 | 41.5840 | -0.0008 | 12.44 |
| NCA 077 | 60 c Aqueous Phase SCW | 41.3101 | 1.9990 | 1.9995 | 0.1435 | 58.8988 | 21192 | 4.51 | 8.76E+10 | 41.3096 | -0.0005 | 7.78 |
| NCA 078 | 60 c Aqueous Phase SCW | 41.7244 | 2.0000 | 2.0005 | 0.1455 | 59.0700 | 21192 | 4.51 | 8.76E+10 | 41.7239 | -0.0005 | 7.76 |
| NCA 103 | 90 c Vapor Phase SCW | 41.6225 | 1.9975 | 2.0010 | 0.1445 | 58.9567 | 21360 | 4.51 | 8.76E+10 | 41.6232 | 0.0007 | -10.80 |
| NCA 104 | 90 c Vapor Phase SCW | 41.6671 | 1.9985 | 2.0000 | 0.1450 | 58.9856 | 21360 | 4.51 | 8.76E+10 | 41.6675 | 0.0004 | -6.17 |
| NCA 105 | 90 c Vapor Phase SCW | 41.7707 | 1.9990 | 2.0000 | 0.1455 | 59.0285 | 21360 | 4.51 | 8.76E+10 | 41.7707 | 0.0000 | 0.00 |
| NCA 106 | 90 c Aqueous Phase SCW | 41.8219 | 1.9990 | 1.9990 | 0.1465 | 59.0587 | 21360 | 4.51 | 8.76E+10 | 41.8201 | -0.0018 | 27.72 |
| NCA 107 | 90 c Aqueous Phase SCW | 41.6465 | 1.9990 | 1.9995 | 0.1475 | 59.1304 | 21360 | 4.51 | 8.76E+10 | 41.6440 | -0.0025 | 38.45 |
| NCA 108 | 90 c Aqueous Phase SCW | 41.7176 | 1.9980 | 1.9995 | 0.1455 | 58.9869 | 21360 | 4.51 | 8.76E+10 | 41.7156 | -0.0020 | 30.83 |
| NCA 133 | 60 c Vapor Phase SDW | 41.7361 | 2.0000 | 2.0000 | 0.1465 | 59.1141 | 21456 | 4.51 | 8.76E+10 | 41.7365 | 0.0004 | -6.13 |
| NCA 134 | 60 c Vapor Phase SDW | 41.0325 | 2.0010 | 1.9995 | 0.1435 | 58.9541 | 21456 | 4.51 | 8.76E+10 | 41.0325 | 0.0000 | 0.00 |
| NCA 135 | 60 c Vapor Phase SDW | 41.6881 | 2.0000 | 2.0010 | 0.1450 | 59.0548 | 21456 | 4.51 | 8.76E+10 | 41.6881 | 0.0000 | 0.00 |

| Sample Identification | Test Environment | Weight (g) | Length (in) | Width (in) | Thickness (in) | Surface Area (sq cm) | Exposed Time (hours) | Density (g/cc) | Constant from G1-90 | Average Weight Cleaned (g) | Delta Weight change from Initial (g) | Corrosion Rate (nanometers/yr) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| NCA 136 | 60 c Aqueous Phase SDW | 41.6426 | 1.9995 | 1.9990 | 0.1440 | 58.9277 | 21456 | 4.51 | 8.76E+10 | 41.6426 | 0.0000 | 0.00 |
| NCA 137 | 60 c Aqueous Phase SDW | 41.6736 | 1.9990 | 1.9980 | 0.1455 | 58.9731 | 21456 | 4.51 | 8.76E+10 | 41.6736 | 0.0000 | 0.00 |
| NCA 138 | 60 c Aqueous Phase SDW | 41.8474 | 1.9985 | 1.9995 | 0.1475 | 59.1166 | 21456 | 4.51 | 8.76E+10 | 41.8477 | 0.0003 | -4.59 |
| NCA 163 | 90 c Vapor Phase SDW | 41.8422 | 1.9990 | 1.9990 | 0.1455 | 59.0008 | 21528 | 4.51 | 8.76E+10 | 41.8417 | -0.0005 | 7.65 |
| NCA 164 | 90 c Vapor Phase SDW | 41.7211 | 1.9990 | 2.0010 | 0.1450 | 59.0272 | 21528 | 4.51 | 8.76E+10 | 41.7218 | 0.0007 | -10.70 |
| NCA 165 | 90 c Vapor Phase SDW | 41.8112 | 1.9975 | 2.0000 | 0.1460 | 59.0159 | 21528 | 4.51 | 8.76E+10 | 41.8119 | 0.0007 | -10.70 |
| NCA 166 | 90 c Aqueous Phase SDW | 41.8812 | 1.9990 | 2.0000 | 0.1455 | 59.0285 | 21528 | 4.51 | 8.76E+10 | 41.8816 | 0.0004 | -6.11 |
| NCA 167 | 90 c Aqueous Phase SDW | 41.9895 | 1.9990 | 1.9995 | 0.1460 | 59.0436 | 21528 | 4.51 | 8.76E+10 | 41.9899 | 0.0004 | -6.11 |
| NCA 168 | 90 c Aqueous Phase SDW | 41.9170 | 1.9985 | 1.9995 | 0.1455 | 59.0008 | 21528 | 4.51 | 8.76E+10 | 41.9171 | 0.0001 | -1.53 |
| NCE 013 | 60 c Vapor Phase SAW | 37.0428 | 2.0005 | 1.9990 | 0.1285 | 58.0575 | 21168 | 4.51 | 8.76E+10 | 37.0428 | 0.0000 | 0.00 |
| NCE 014 | 60 c Vapor Phase SAW | 37.5745 | 1.9985 | 1.9990 | 0.1310 | 58.1473 | 21168 | 4.51 | 8.76E+10 | 37.5743 | -0.0002 | 3.16 |
| NCE 015 | 60 c Vapor Phase SAW | 37.4599 | 1.9970 | 1.9985 | 0.1300 | 58.0345 | 21168 | 4.51 | 8.76E+10 | **NC** | **NC** | **NC** |
| NCE 016 | 60 c Aqueous Phase SAW | 37.7794 | 1.9995 | 1.9990 | 0.1320 | 58.2327 | 21168 | 4.51 | 8.76E+10 | 37.7793 | -0.0001 | 1.58 |
| NCE 017 | 60 c Aqueous Phase SAW | 37.5494 | 1.9980 | 1.9980 | 0.1295 | 58.0193 | 21168 | 4.51 | 8.76E+10 | 37.5493 | -0.0001 | 1.58 |
| NCE 018 | 60 c Aqueous Phase SAW | 37.1041 | 2.0005 | 2.0005 | 0.1305 | 58.2146 | 21168 | 4.51 | 8.76E+10 | **NC** | **NC** | **NC** |
| NCE 043 | 90 c Vapor Phase SAW | 37.5394 | 2.0005 | 1.9995 | 0.1315 | 58.2450 | 21288 | 4.51 | 8.76E+10 | 37.5394 | 0.0000 | 0.00 |
| NCE 044 | 90 c Vapor Phase SAW | 37.3828 | 2.0005 | 2.0005 | 0.1290 | 58.1277 | 21288 | 4.51 | 8.76E+10 | 37.3825 | -0.0003 | 4.71 |
| NCE 045 | 90 c Vapor Phase SAW | 37.3954 | 2.0015 | 2.0000 | 0.1310 | 58.2573 | 21288 | 4.51 | 8.76E+10 | **NC** | **NC** | **NC** |
| NCE 046 | 90 c Aqueous Phase SAW | 37.3954 | 1.9990 | 2.0005 | 0.1320 | 58.2602 | 21288 | 4.51 | 8.76E+10 | 37.3953 | -0.0001 | 1.57 |
| NCE 047 | 90 c Aqueous Phase SAW | 37.4630 | 1.9995 | 1.9995 | 0.1360 | 58.4782 | 21288 | 4.51 | 8.76E+10 | 37.4628 | -0.0002 | 3.12 |
| NCE 048 | 90 c Aqueous Phase SAW | 37.4637 | 1.9990 | 1.9995 | 0.1345 | 58.3775 | 21288 | 4.51 | 8.76E+10 | **NC** | **NC** | **NC** |
| NCE 073 | 60 c Vapor Phase SCW | 37.2748 | 2.0015 | 1.9990 | 0.1300 | 58.1718 | 21192 | 4.51 | 8.76E+10 | 37.2747 | -0.0001 | 1.58 |
| NCE 074 | 60 c Vapor Phase SCW | 36.9539 | 1.9995 | 1.9995 | 0.1280 | 58.0148 | 21192 | 4.51 | 8.76E+10 | 36.9537 | -0.0002 | 3.16 |
| NCE 075 | 60 c Vapor Phase SCW | 37.2937 | 1.9980 | 2.0000 | 0.1315 | 58.1900 | 21192 | 4.51 | 8.76E+10 | **NC** | **NC** | **NC** |
| NCE 076 | 60 c Aqueous Phase SCW | 37.3522 | 1.9990 | 2.0000 | 0.1295 | 58.1017 | 21192 | 4.51 | 8.76E+10 | 37.3518 | -0.0004 | 6.31 |
| NCE 077 | 60 c Aqueous Phase SCW | 37.5160 | 1.9985 | 2.0005 | 0.1300 | 58.1306 | 21192 | 4.51 | 8.76E+10 | 37.5157 | -0.0003 | 4.73 |
| NCE 078 | 60 c Aqueous Phase SCW | 37.3050 | 2.0000 | 2.0010 | 0.1290 | 58.1277 | 21192 | 4.51 | 8.76E+10 | **NC** | **NC** | **NC** |
| NCE 103 | 90 c Vapor Phase SCW | 37.3591 | 2.0000 | 2.0000 | 0.1295 | 58.1291 | 21360 | 4.51 | 8.76E+10 | 37.3590 | -0.0001 | 1.56 |
| NCE 104 | 90 c Vapor Phase SCW | 36.8418 | 1.9995 | 2.0000 | 0.1275 | 57.9995 | 21360 | 4.51 | 8.76E+10 | 36.8418 | 0.0000 | 0.00 |
| NCE 105 | 90 c Vapor Phase SCW | 37.6354 | 2.0005 | 2.0000 | 0.1305 | 58.2008 | 21360 | 4.51 | 8.76E+10 | **NC** | **NC** | **NC** |
| NCE 106 | 90 c Aqueous Phase SCW | 37.7404 | 2.0005 | 2.0000 | 0.1325 | 58.3167 | 21360 | 4.51 | 8.76E+10 | 37.7386 | -0.0018 | 28.07 |
| NCE 107 | 90 c Aqueous Phase SCW | 37.4373 | 2.0010 | 1.9995 | 0.1355 | 58.4905 | 21360 | 4.51 | 8.76E+10 | 37.4352 | -0.0021 | 32.65 |
| NCE 108 | 90 c Aqueous Phase SCW | 37.4354 | 1.9980 | 1.9995 | 0.1405 | 58.6974 | 21360 | 4.51 | 8.76E+10 | **NC** | **NC** | **NC** |

| Sample Identification | Test Environment | Weight (g) | Length (in) | Width (in) | Thickness (in) | Surface Area (sq cm) | Exposed Time (hours) | Density (g/cc) | Constant from G1-90 | Average Weight Cleaned (g) | Delta Weight change from Initial (g) | Corrosion Rate (nanometers/yr) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| NCE 133 | 60 c Vapor Phase SDW | 37.3925 | 2.0000 | 1.9995 | 0.1295 | 58.1154 | 21456 | 4.51 | 8.76E+10 | 37.3924 | -0.0001 | 1.56 |
| NCE 134 | 60 c Vapor Phase SDW | 37.4032 | 1.9995 | 2.0005 | 0.1360 | 58.5057 | 21456 | 4.51 | 8.76E+10 | 37.4032 | 0.0000 | 0.00 |
| NCE 135 | 60 c Vapor Phase SDW | 37.4890 | 1.9995 | 1.9995 | 0.1300 | 58.1306 | 21456 | 4.51 | 8.76E+10 | **NC** | **NC** | **NC** |
| NCE 136 | 60 c Aqueous Phase SDW | 37.3730 | 2.0000 | 2.0005 | 0.1305 | 58.2008 | 21456 | 4.51 | 8.76E+10 | 37.3729 | -0.0001 | 1.56 |
| NCE 137 | 60 c Aqueous Phase SDW | 37.4672 | 1.9995 | 2.0000 | 0.1300 | 58.1444 | 21456 | 4.51 | 8.76E+10 | 37.4672 | 0.0000 | 0.00 |
| NCE 138 | 60 c Aqueous Phase SDW | 37.3859 | 2.0005 | 2.0000 | 0.1290 | 58.1139 | 21456 | 4.51 | 8.76E+10 | **NC** | **NC** | **NC** |
| NCE 163 | 90 c Vapor Phase SDW | 37.3845 | 1.9990 | 2.0005 | 0.1305 | 58.1733 | 21528 | 4.51 | 8.76E+10 | 37.3849 | 0.0004 | -6.20 |
| NCE 164 | 90 c Vapor Phase SDW | 37.3308 | 2.0005 | 1.9980 | 0.1335 | 58.3196 | 21528 | 4.51 | 8.76E+10 | 37.3313 | 0.0005 | -7.74 |
| NCE 165 | 90 c Vapor Phase SDW | 37.4282 | 1.9990 | 2.0005 | 0.1300 | 58.1444 | 21528 | 4.51 | 8.76E+10 | **NC** | **NC** | **NC** |
| NCE 166 | 90 c Aqueous Phase SDW | 37.6436 | 2.0015 | 2.0005 | 0.1305 | 58.2421 | 21528 | 4.51 | 8.76E+10 | 37.6438 | 0.0002 | -3.10 |
| NCE 167 | 90 c Aqueous Phase SDW | 37.3771 | 2.0015 | 2.0000 | 0.1300 | 58.1993 | 21528 | 4.51 | 8.76E+10 | 37.3771 | 0.0000 | 0.00 |
| NCE 168 | 90 c Aqueous Phase SDW | 37.3549 | 2.0000 | 2.0000 | 0.1295 | 58.1291 | 21528 | 4.51 | 8.76E+10 | **NC** | **NC** | **NC** |

The surface area of the coupon is calculated from the physical measurements obtained when the coupon was initial entered into the database, the area covered by the spacers are included in the exposed area calculation, along wiht the rim of the center hole, the mounting hole in the specimen is 0.312" +.005"/-.002"

(((2*Width*Length)+(2*Width*Thickness)+(2*Length*Thickness))-(0.1529)+(0.9802*Tickness))*6.4516

The time exposed in test is calculated from the start date to the final date of the coupon in test and converted into hours

The density of the Alloy is that reported by the manufacturer

The corrosion constant is from ASTM G1-90 section 8.1

Three weighings are performed over time to ensure that the weight is not changing due to the specimen drying, this ensures that the specimen is dry and that any error in weighing can be caught by the next weighing of the specimen. The weight change from cleaning the coupons is obtained by the calculating the average from the the three final weighings of the specimens minus the initial starting weight

Some coupons show a negative corrosion rate, these coupons were retreated in the cleaning process (some more than twice) until all deposits were removed, as determined by SEM imaging of representative specimens

| Sample Identification | In-Test DateDate | Test Terminated DateDate | Exposed Time (hours) | Test Environment | In-Test Vessel #/Rack # |
|---|---|---|---|---|---|
| NCA 013 | 20-Dec-99 | 20-May-02 | 21168 | 60 c Vapor Phase SAW | 25-1B |
| NCA 014 | 20-Dec-99 | 20-May-02 | 21168 | 60 c Vapor Phase SAW | 25-1B |
| NCA 015 | 20-Dec-99 | 20-May-02 | 21168 | 60 c Vapor Phase SAW | 25-1B |
| NCA 016 | 20-Dec-99 | 20-May-02 | 21168 | 60 c Aqueous Phase SAW | 25-1A |
| NCA 017 | 20-Dec-99 | 20-May-02 | 21168 | 60 c Aqueous Phase SAW | 25-1A |
| NCA 018 | 20-Dec-99 | 20-May-02 | 21168 | 60 c Aqueous Phase SAW | 25-1A |
| NCA 043 | 16-Dec-99 | 21-May-02 | 21288 | 90 c Vapor Phase SAW | 26-2B |
| NCA 044 | 16-Dec-99 | 21-May-02 | 21288 | 90 c Vapor Phase SAW | 26-2B |
| NCA 045 | 16-Dec-99 | 21-May-02 | 21288 | 90 c Vapor Phase SAW | 26-2B |
| NCA 046 | 16-Dec-99 | 21-May-02 | 21288 | 90 c Aqueous Phase SAW | 26-2A |
| NCA 047 | 16-Dec-99 | 21-May-02 | 21288 | 90 c Aqueous Phase SAW | 26-2A |
| NCA 048 | 16-Dec-99 | 21-May-02 | 21288 | 90 c Aqueous Phase SAW | 26-2A |
| NCA 073 | 16-Dec-99 | 17-May-02 | 21192 | 60 c Vapor Phase SCW | 27-3B |
| NCA 074 | 16-Dec-99 | 17-May-02 | 21192 | 60 c Vapor Phase SCW | 27-3B |
| NCA 075 | 16-Dec-99 | 17-May-02 | 21192 | 60 c Vapor Phase SCW | 27-3B |
| NCA 076 | 16-Dec-99 | 17-May-02 | 21192 | 60 c Aqueous Phase SCW | 27-3A |
| NCA 077 | 16-Dec-99 | 17-May-02 | 21192 | 60 c Aqueous Phase SCW | 27-3A |
| NCA 078 | 16-Dec-99 | 17-May-02 | 21192 | 60 c Aqueous Phase SCW | 27-3A |
| NCA 103 | 14-Dec-99 | 22-May-02 | 21360 | 90 c Vapor Phase SCW | 28-2B |
| NCA 104 | 14-Dec-99 | 22-May-02 | 21360 | 90 c Vapor Phase SCW | 28-2B |
| NCA 105 | 14-Dec-99 | 22-May-02 | 21360 | 90 c Vapor Phase SCW | 28-2B |
| NCA 106 | 14-Dec-99 | 22-May-02 | 21360 | 90 c Aqueous Phase SCW | 28-2A |
| NCA 107 | 14-Dec-99 | 22-May-02 | 21360 | 90 c Aqueous Phase SCW | 28-2A |
| NCA 108 | 14-Dec-99 | 22-May-02 | 21360 | 90 c Aqueous Phase SCW | 28-2A |
| NCA 133 | 09-Dec-99 | 21-May-02 | 21456 | 60 c Vapor Phase SDW | 29-3B |
| NCA 134 | 09-Dec-99 | 21-May-02 | 21456 | 60 c Vapor Phase SDW | 29-3B |
| NCA 135 | 09-Dec-99 | 21-May-02 | 21456 | 60 c Vapor Phase SDW | 29-3B |
| NCA 136 | 09-Dec-99 | 21-May-02 | 21456 | 60 c Aqueous Phase SDW | 29-3A |
| NCA 137 | 09-Dec-99 | 21-May-02 | 21456 | 60 c Aqueous Phase SDW | 29-3A |
| NCA 138 | 09-Dec-99 | 21-May-02 | 21456 | 60 c Aqueous Phase SDW | 29-3A |
| NCA 163 | 07-Dec-99 | 22-May-02 | 21528 | 90 C Vapor Phase SDW | 30-3B |
| NCA 164 | 07-Dec-99 | 22-May-02 | 21528 | 90 C Vapor Phase SDW | 30-3B |
| NCA 165 | 07-Dec-99 | 22-May-02 | 21528 | 90 C Vapor Phase SDW | 30-3B |

| Sample Identification | In-Test DateDate | Test Terminated DateDate | Exposed Time (hours) | Test Environment | In-Test Vessel #/Rack # |
|---|---|---|---|---|---|
| NCA 166 | 07-Dec-99 | 22-May-02 | 21528 | 90 C Aqueous Phase SDW | 30-3A |
| NCA 167 | 07-Dec-99 | 22-May-02 | 21528 | 90 C Aqueous Phase SDW | 30-3A |
| NCA 168 | 07-Dec-99 | 22-May-02 | 21528 | 90 C Aqueous Phase SDW | 30-3A |
| NCE 013 | 20-Dec-99 | 20-May-02 | 21168 | 60 c Vapor Phase SAW | 25-1B |
| NCE 014 | 20-Dec-99 | 20-May-02 | 21168 | 60 c Vapor Phase SAW | 25-1B |
| NCE 015 | 20-Dec-99 | 20-May-02 | 21168 | 60 c Vapor Phase SAW | 25-1B |
| NCE 016 | 20-Dec-99 | 20-May-02 | 21168 | 60 c Aqueous Phase SAW | 25-1A |
| NCE 017 | 20-Dec-99 | 20-May-02 | 21168 | 60 c Aqueous Phase SAW | 25-1A |
| NCE 018 | 20-Dec-99 | 20-May-02 | 21168 | 60 c Aqueous Phase SAW | 25-1A |
| NCE 043 | 16-Dec-99 | 21-May-02 | 21288 | 90 c Vapor Phase SAW | 26-2B |
| NCE 044 | 16-Dec-99 | 21-May-02 | 21288 | 90 c Vapor Phase SAW | 26-2B |
| NCE 045 | 16-Dec-99 | 21-May-02 | 21288 | 90 c Vapor Phase SAW | 26-2B |
| NCE 046 | 16-Dec-99 | 21-May-02 | 21288 | 90 c Aqueous Phase SAW | 26-2A |
| NCE 047 | 16-Dec-99 | 21-May-02 | 21288 | 90 c Aqueous Phase SAW | 26-2A |
| NCE 048 | 16-Dec-99 | 21-May-02 | 21288 | 90 c Aqueous Phase SAW | 26-2A |
| NCE 073 | 16-Dec-99 | 17-May-02 | 21192 | 60 c Vapor Phase SCW | 27-3B |
| NCE 074 | 16-Dec-99 | 17-May-02 | 21192 | 60 c Vapor Phase SCW | 27-3B |
| NCE 075 | 16-Dec-99 | 17-May-02 | 21192 | 60 c Vapor Phase SCW | 27-3B |
| NCE 076 | 16-Dec-99 | 17-May-02 | 21192 | 60 c Aqueous Phase SCW | 27-3A |
| NCE 077 | 16-Dec-99 | 17-May-02 | 21192 | 60 c Aqueous Phase SCW | 27-3A |
| NCE 078 | 16-Dec-99 | 17-May-02 | 21192 | 60 c Aqueous Phase SCW | 27-3A |
| NCE 103 | 14-Dec-99 | 22-May-02 | 21360 | 90 c Vapor Phase SCW | 28-2B |
| NCE 104 | 14-Dec-99 | 22-May-02 | 21360 | 90 c Vapor Phase SCW | 28-2B |
| NCE 105 | 14-Dec-99 | 22-May-02 | 21360 | 90 c Vapor Phase SCW | 28-2B |
| NCE 106 | 14-Dec-99 | 22-May-02 | 21360 | 90 c Aqueous Phase SCW | 28-2A |
| NCE 107 | 14-Dec-99 | 22-May-02 | 21360 | 90 c Aqueous Phase SCW | 28-2A |
| NCE 108 | 14-Dec-99 | 22-May-02 | 21360 | 90 c Aqueous Phase SCW | 28-2A |
| NCE 133 | 09-Dec-99 | 21-May-02 | 21456 | 60 c Vapor Phase SDW | 29-3B |
| NCE 134 | 09-Dec-99 | 21-May-02 | 21456 | 60 c Vapor Phase SDW | 29-3B |
| NCE 135 | 09-Dec-99 | 21-May-02 | 21456 | 60 c Vapor Phase SDW | 29-3B |
| NCE 136 | 09-Dec-99 | 21-May-02 | 21456 | 60 c Aqueous Phase SDW | 29-3A |
| NCE 137 | 09-Dec-99 | 21-May-02 | 21456 | 60 c Aqueous Phase SDW | 29-3A |
| NCE 138 | 09-Dec-99 | 21-May-02 | 21456 | 60 c Aqueous Phase SDW | 29-3A |

| Sample Identification | In-Test DateDate | Test Terminated DateDate | Exposed Time (hours) | Test Environment | In-Test Vessel #/Rack # |
|---|---|---|---|---|---|
| NCE 163 | 07-Dec-99 | 22-May-02 | 21528 | 90 C Vapor Phase SDW | 30-3B |
| NCE 164 | 07-Dec-99 | 22-May-02 | 21528 | 90 C Vapor Phase SDW | 30-3B |
| NCE 165 | 07-Dec-99 | 22-May-02 | 21528 | 90 C Vapor Phase SDW | 30-3B |
| NCE 166 | 07-Dec-99 | 22-May-02 | 21528 | 90 C Aqueous Phase SDW | 30-3A |
| NCE 167 | 07-Dec-99 | 22-May-02 | 21528 | 90 C Aqueous Phase SDW | 30-3A |
| NCE 168 | 07-Dec-99 | 22-May-02 | 21528 | 90 C Aqueous Phase SDW | 30-3A |
| NWA 001 | 20-Dec-99 | 20-May-02 | 21168 | 60 c Vapor Phase SAW | 25-1A |
| NWA 002 | 20-Dec-99 | 20-May-02 | 21168 | 60 c Vapor Phase SAW | 25-1A |
| NWA 003 | 20-Dec-99 | 20-May-02 | 21168 | 60 c Vapor Phase SAW | 25-1A |
| NWA 028 | 20-Dec-99 | 20-May-02 | 21168 | 60 c Aqueous Phase SAW | 25-1B |
| NWA 029 | 20-Dec-99 | 20-May-02 | 21168 | 60 c Aqueous Phase SAW | 25-1B |
| NWA 030 | 20-Dec-99 | 20-May-02 | 21168 | 60 c Aqueous Phase SAW | 25-1B |
| NWA 031 | 20-Dec-99 | 20-May-02 | 21168 | 60 c Waterline SAW | 25-1A |
| NWA 036 | 16-Dec-99 | 21-May-02 | 21288 | 90 c Waterline SAW | 26-2A |
| NWA 041 | 16-Dec-99 | 17-May-02 | 21192 | 60 c Waterline SCW | 27-3A |
| NWA 046 | 14-Dec-99 | 22-May-02 | 21360 | 90 c Waterline SCW | 28-2A |
| NWA 051 | 09-Dec-99 | 21-May-02 | 21456 | 60 c Waterline SDW | 29-3A |
| NWA 056 | 07-Dec-99 | 22-May-02 | 21528 | 90 C Waterline SDW | 30-3A |
| NWA 061 | 16-Dec-99 | 21-May-02 | 21288 | 90 c Vapor Phase SAW | 26-2A |
| NWA 062 | 16-Dec-99 | 21-May-02 | 21288 | 90 c Vapor Phase SAW | 26-2A |
| NWA 063 | 16-Dec-99 | 21-May-02 | 21288 | 90 c Vapor Phase SAW | 26-2A |
| NWA 088 | 16-Dec-99 | 21-May-02 | 21288 | 90 c Aqueous Phase SAW | 26-2B |
| NWA 089 | 16-Dec-99 | 21-May-02 | 21288 | 90 c Aqueous Phase SAW | 26-2B |
| NWA 090 | 16-Dec-99 | 21-May-02 | 21288 | 90 c Aqueous Phase SAW | 26-2B |
| NWA 091 | 16-Dec-99 | 17-May-02 | 21192 | 60 c Vapor Phase SCW | 27-3A |
| NWA 092 | 16-Dec-99 | 17-May-02 | 21192 | 60 c Vapor Phase SCW | 27-3A |
| NWA 093 | 16-Dec-99 | 17-May-02 | 21192 | 60 c Vapor Phase SCW | 27-3A |
| NWA 118 | 16-Dec-99 | 17-May-02 | 21192 | 60 c Aqueous Phase SCW | 27-3B |
| NWA 119 | 16-Dec-99 | 17-May-02 | 21192 | 60 c Aqueous Phase SCW | 27-3B |
| NWA 120 | 16-Dec-99 | 17-May-02 | 21192 | 60 c Aqueous Phase SCW | 27-3B |
| NWA 121 | 14-Dec-99 | 22-May-02 | 21360 | 90 c Vapor Phase SCW | 28-2A |
| NWA 122 | 14-Dec-99 | 22-May-02 | 21360 | 90 c Vapor Phase SCW | 28-2A |
| NWA 123 | 14-Dec-99 | 22-May-02 | 21360 | 90 c Vapor Phase SCW | 28-2A |

| Sample Identification | In-Test DateDate | Test Terminated DateDate | Exposed Time (hours) | Test Environment | In-Test Vessel #/Rack # |
|---|---|---|---|---|---|
| NWA 148 | 14-Dec-99 | 22-May-02 | 21360 | 90 c Aqueous Phase SCW | 28-2B |
| NWA 149 | 14-Dec-99 | 22-May-02 | 21360 | 90 c Aqueous Phase SCW | 28-2B |
| NWA 150 | 14-Dec-99 | 22-May-02 | 21360 | 90 c Aqueous Phase SCW | 28-2B |
| NWA 151 | 09-Dec-99 | 21-May-02 | 21456 | 60 c Vapor Phase SDW | 29-3A |
| NWA 152 | 09-Dec-99 | 21-May-02 | 21456 | 60 c Vapor Phase SDW | 29-3A |
| NWA 153 | 09-Dec-99 | 21-May-02 | 21456 | 60 c Vapor Phase SDW | 29-3A |
| NWA 178 | 09-Dec-99 | 21-May-02 | 21456 | 60 c Aqueous Phase SDW | 29-3B |
| NWA 179 | 09-Dec-99 | 21-May-02 | 21456 | 60 c Aqueous Phase SDW | 29-3B |
| NWA 180 | 09-Dec-99 | 21-May-02 | 21456 | 60 c Aqueous Phase SDW | 29-3B |
| NWA 181 | 07-Dec-99 | 22-May-02 | 21528 | 90 C Vapor Phase SDW | 30-3A |
| NWA 182 | 07-Dec-99 | 22-May-02 | 21528 | 90 C Vapor Phase SDW | 30-3A |
| NWA 183 | 07-Dec-99 | 22-May-02 | 21528 | 90 C Vapor Phase SDW | 30-3A |
| NWA 208 | 07-Dec-99 | 22-May-02 | 21528 | 90 C Aqueous Phase SDW | 30-3B |
| NWA 209 | 07-Dec-99 | 22-May-02 | 21528 | 90 C Aqueous Phase SDW | 30-3B |
| NWA 210 | 07-Dec-99 | 22-May-02 | 21528 | 90 C Aqueous Phase SDW | 30-3B |
| NWE 001 | 20-Dec-99 | 20-May-02 | 21168 | 60 c Vapor Phase SAW | 25-1A |
| NWE 002 | 20-Dec-99 | 20-May-02 | 21168 | 60 c Vapor Phase SAW | 25-1A |
| NWE 003 | 20-Dec-99 | 20-May-02 | 21168 | 60 c Vapor Phase SAW | 25-1A |
| NWE 028 | 20-Dec-99 | 20-May-02 | 21168 | 60 c Aqueous Phase SAW | 25-1B |
| NWE 029 | 20-Dec-99 | 20-May-02 | 21168 | 60 c Aqueous Phase SAW | 25-1B |
| NWE 030 | 20-Dec-99 | 20-May-02 | 21168 | 60 c Aqueous Phase SAW | 25-1B |
| NWE 031 | 20-Dec-99 | 20-May-02 | 21168 | 60 c Waterline SAW | 25-1B |
| NWE 036 | 16-Dec-99 | 21-May-02 | 21288 | 90 c Waterline SAW | 26-2B |
| NWE 041 | 16-Dec-99 | 17-May-02 | 21192 | 60 c Waterline SCW | 27-3B |
| NWE 046 | 14-Dec-99 | 22-May-02 | 21360 | 90 c Waterline SCW | 28-2B |
| NWE 051 | 09-Dec-99 | 21-May-02 | 21456 | 60 c Waterline SDW | 29-3B |
| NWE 060 | 07-Dec-99 | 22-May-02 | 21528 | 90 C Waterline SDW | 30-3B |
| NWE 061 | 16-Dec-99 | 21-May-02 | 21288 | 90 c Vapor Phase SAW | 26-2A |
| NWE 062 | 16-Dec-99 | 21-May-02 | 21288 | 90 c Vapor Phase SAW | 26-2A |
| NWE 063 | 16-Dec-99 | 21-May-02 | 21288 | 90 c Vapor Phase SAW | 26-2A |
| NWE 088 | 16-Dec-99 | 21-May-02 | 21288 | 90 c Aqueous Phase SAW | 26-2B |
| NWE 089 | 16-Dec-99 | 21-May-02 | 21288 | 90 c Aqueous Phase SAW | 26-2B |
| NWE 090 | 16-Dec-99 | 21-May-02 | 21288 | 90 c Aqueous Phase SAW | 26-2B |

| Sample Identification | In-Test DateDate | Test Terminated DateDate | Exposed Time (hours) | Test Environment | In-Test Vessel #/Rack # |
|---|---|---|---|---|---|
| NWE 091 | 16-Dec-99 | 17-May-02 | 21192 | 60 c Vapor Phase SCW | 27-3A |
| NWE 092 | 16-Dec-99 | 17-May-02 | 21192 | 60 c Vapor Phase SCW | 27-3A |
| NWE 093 | 16-Dec-99 | 17-May-02 | 21192 | 60 c Vapor Phase SCW | 27-3A |
| NWE 118 | 16-Dec-99 | 17-May-02 | 21192 | 60 c Aqueous Phase SCW | 27-3B |
| NWE 119 | 16-Dec-99 | 17-May-02 | 21192 | 60 c Aqueous Phase SCW | 27-3B |
| NWE 120 | 16-Dec-99 | 17-May-02 | 21192 | 60 c Aqueous Phase SCW | 27-3B |
| NWE 121 | 14-Dec-99 | 22-May-02 | 21360 | 90 c Vapor Phase SCW | 28-2A |
| NWE 122 | 14-Dec-99 | 22-May-02 | 21360 | 90 c Vapor Phase SCW | 28-2A |
| NWE 123 | 14-Dec-99 | 22-May-02 | 21360 | 90 c Vapor Phase SCW | 28-2A |
| NWE 148 | 14-Dec-99 | 22-May-02 | 21360 | 90 c Aqueous Phase SCW | 28-2B |
| NWE 149 | 14-Dec-99 | 22-May-02 | 21360 | 90 c Aqueous Phase SCW | 28-2B |
| NWE 150 | 14-Dec-99 | 22-May-02 | 21360 | 90 c Aqueous Phase SCW | 28-2B |
| NWE 151 | 09-Dec-99 | 21-May-02 | 21456 | 60 c Vapor Phase SDW | 29-3A |
| NWE 152 | 09-Dec-99 | 21-May-02 | 21456 | 60 c Vapor Phase SDW | 29-3A |
| NWE 153 | 09-Dec-99 | 21-May-02 | 21456 | 60 c Vapor Phase SDW | 29-3A |
| NWE 178 | 09-Dec-99 | 21-May-02 | 21456 | 60 c Aqueous Phase SDW | 29-3B |
| NWE 179 | 09-Dec-99 | 21-May-02 | 21456 | 60 c Aqueous Phase SDW | 29-3B |
| NWE 180 | 09-Dec-99 | 21-May-02 | 21456 | 60 c Aqueous Phase SDW | 29-3B |
| NWE 181 | 07-Dec-99 | 22-May-02 | 21528 | 90 C Vapor Phase SDW | 30-3A |
| NWE 182 | 07-Dec-99 | 22-May-02 | 21528 | 90 C Vapor Phase SDW | 30-3A |
| NWE 183 | 07-Dec-99 | 22-May-02 | 21528 | 90 C Vapor Phase SDW | 30-3A |
| NWE 208 | 07-Dec-99 | 22-May-02 | 21528 | 90 C Aqueous Phase SDW | 30-3B |
| NWE 209 | 07-Dec-99 | 22-May-02 | 21528 | 90 C Aqueous Phase SDW | 30-3B |
| NWE 210 | 07-Dec-99 | 22-May-02 | 21528 | 90 C Aqueous Phase SDW | 30-3B |

| In-Test Vessel #/Rack # | Sample Identification | Test Environment | Weight (g) | Length (in) | Width (in) | Thickness (in) |
|---|---|---|---|---|---|---|
| 25-1B | NCA 013 | 60 c Vapor Phase SAW | 41.4257 | 2.0010 | 2.0005 | 0.1435 |
| 25-1B | NCA 014 | 60 c Vapor Phase SAW | 41.4461 | 2.0000 | 2.0000 | 0.1435 |
| 25-1B | NCA 015 | 60 c Vapor Phase SAW | 41.4056 | 1.9990 | 2.0005 | 0.1435 |
| 25-1A | NCA 016 | 60 c Aqueous Phase SAW | 41.2670 | 2.0000 | 2.0010 | 0.1430 |
| 25-1A | NCA 017 | 60 c Aqueous Phase SAW | 41.3505 | 2.0000 | 2.0005 | 0.1430 |
| 25-1A | NCA 018 | 60 c Aqueous Phase SAW | 41.4080 | 2.0000 | 2.0000 | 0.1430 |
| 26-2B | NCA 043 | 90 c Vapor Phase SAW | 41.2660 | 2.0000 | 2.0000 | 0.1435 |
| 26-2B | NCA 044 | 90 c Vapor Phase SAW | 41.4238 | 1.9995 | 2.0000 | 0.1440 |
| 26-2B | NCA 045 | 90 c Vapor Phase SAW | 41.1396 | 2.0000 | 2.0000 | 0.1430 |
| 26-2A | NCA 046 | 90 c Aqueous Phase SAW | 41.4885 | 2.0000 | 2.0005 | 0.1440 |
| 26-2A | NCA 047 | 90 c Aqueous Phase SAW | 41.3064 | 2.0000 | 2.0010 | 0.1435 |
| 26-2A | NCA 048 | 90 c Aqueous Phase SAW | 41.2977 | 2.0005 | 1.9995 | 0.1435 |
| 27-3B | NCA 073 | 60 c Vapor Phase SCW | 41.7163 | 1.9985 | 1.9990 | 0.1450 |
| 27-3B | NCA 074 | 60 c Vapor Phase SCW | 41.7550 | 1.9995 | 2.0005 | 0.1455 |
| 27-3B | NCA 075 | 60 c Vapor Phase SCW | 41.8126 | 1.9990 | 1.9990 | 0.1455 |
| 27-3A | NCA 076 | 60 c Aqueous Phase SCW | 41.5848 | 2.0000 | 1.9985 | 0.1445 |
| 27-3A | NCA 077 | 60 c Aqueous Phase SCW | 41.3101 | 1.9990 | 1.9995 | 0.1435 |
| 27-3A | NCA 078 | 60 c Aqueous Phase SCW | 41.7244 | 2.0000 | 2.0005 | 0.1455 |
| 28-2B | NCA 103 | 90 c Vapor Phase SCW | 41.6225 | 1.9975 | 2.0010 | 0.1445 |
| 28-2B | NCA 104 | 90 c Vapor Phase SCW | 41.6671 | 1.9985 | 2.0000 | 0.1450 |
| 28-2B | NCA 105 | 90 c Vapor Phase SCW | 41.7707 | 1.9990 | 2.0000 | 0.1455 |
| 28-2A | NCA 106 | 90 c Aqueous Phase SCW | 41.8219 | 1.9990 | 1.9990 | 0.1465 |
| 28-2A | NCA 107 | 90 c Aqueous Phase SCW | 41.6465 | 1.9990 | 1.9995 | 0.1475 |
| 28-2A | NCA 108 | 90 c Aqueous Phase SCW | 41.7176 | 1.9980 | 1.9995 | 0.1455 |
| 29-3B | NCA 133 | 60 c Vapor Phase SDW | 41.7361 | 2.0000 | 2.0000 | 0.1465 |
| 29-3B | NCA 134 | 60 c Vapor Phase SDW | 41.0325 | 2.0010 | 1.9995 | 0.1435 |
| 29-3B | NCA 135 | 60 c Vapor Phase SDW | 41.6881 | 2.0000 | 2.0010 | 0.1450 |
| 29-3A | NCA 136 | 60 c Aqueous Phase SDW | 41.6426 | 1.9995 | 1.9990 | 0.1440 |

| In-Test Vessel #/Rack # | Sample Identification | Test Environment | Weight (g) | Length (in) | Width (in) | Thickness (in) |
|---|---|---|---|---|---|---|
| 29-3A | NCA 137 | 60 c Aqueous Phase SDW | 41.6736 | 1.9990 | 1.9980 | 0.1455 |
| 29-3A | NCA 138 | 60 c Aqueous Phase SDW | 41.8474 | 1.9985 | 1.9995 | 0.1475 |
| 30-3B | NCA 163 | 90 c Vapor Phase SDW | 41.8422 | 1.9990 | 1.9990 | 0.1455 |
| 30-3B | NCA 164 | 90 c Vapor Phase SDW | 41.7211 | 1.9990 | 2.0010 | 0.1450 |
| 30-3B | NCA 165 | 90 c Vapor Phase SDW | 41.8112 | 1.9975 | 2.0000 | 0.1460 |
| 30-3A | NCA 166 | 90 c Aqueous Phase SDW | 41.8812 | 1.9990 | 2.0000 | 0.1455 |
| 30-3A | NCA 167 | 90 c Aqueous Phase SDW | 41.9895 | 1.9990 | 1.9995 | 0.1460 |
| 30-3A | NCA 168 | 90 c Aqueous Phase SDW | 41.9170 | 1.9985 | 1.9995 | 0.1455 |
| 25-1B | NCE 013 | 60 c Vapor Phase SAW | 37.0428 | 2.0005 | 1.9990 | 0.1285 |
| 25-1B | NCE 014 | 60 c Vapor Phase SAW | 37.5745 | 1.9985 | 1.9990 | 0.1310 |
| 25-1B | NCE 015 | 60 c Vapor Phase SAW | 37.4599 | 1.9970 | 1.9985 | 0.1300 |
| 25-1A | NCE 016 | 60 c Aqueous Phase SAW | 37.7794 | 1.9995 | 1.9990 | 0.1320 |
| 25-1A | NCE 017 | 60 c Aqueous Phase SAW | 37.5494 | 1.9980 | 1.9980 | 0.1295 |
| 25-1A | NCE 018 | 60 c Aqueous Phase SAW | 37.1041 | 2.0005 | 2.0005 | 0.1305 |
| 26-2B | NCE 043 | 90 c Vapor Phase SAW | 37.5394 | 2.0005 | 1.9995 | 0.1315 |
| 26-2B | NCE 044 | 90 c Vapor Phase SAW | 37.3828 | 2.0005 | 2.0005 | 0.1290 |
| 26-2B | NCE 045 | 90 c Vapor Phase SAW | 37.3954 | 2.0015 | 2.0000 | 0.1310 |
| 26-2A | NCE 046 | 90 c Aqueous Phase SAW | 37.3954 | 1.9990 | 2.0005 | 0.1320 |
| 26-2A | NCE 047 | 90 c Aqueous Phase SAW | 37.4630 | 1.9995 | 1.9995 | 0.1360 |
| 26-2A | NCE 048 | 90 c Aqueous Phase SAW | 37.4637 | 1.9990 | 1.9995 | 0.1345 |
| 27-3B | NCE 073 | 60 c Vapor Phase SCW | 37.2748 | 2.0015 | 1.9990 | 0.1300 |
| 27-3B | NCE 074 | 60 c Vapor Phase SCW | 36.9539 | 1.9995 | 1.9995 | 0.1280 |
| 27-3B | NCE 075 | 60 c Vapor Phase SCW | 37.2937 | 1.9980 | 2.0000 | 0.1315 |
| 27-3A | NCE 076 | 60 c Aqueous Phase SCW | 37.3522 | 1.9990 | 2.0000 | 0.1295 |
| 27-3A | NCE 077 | 60 c Aqueous Phase SCW | 37.5160 | 1.9985 | 2.0005 | 0.1300 |
| 27-3A | NCE 078 | 60 c Aqueous Phase SCW | 37.3050 | 2.0000 | 2.0010 | 0.1290 |
| 28-2B | NCE 103 | 90 c Vapor Phase SCW | 37.3591 | 2.0000 | 2.0000 | 0.1295 |
| 28-2B | NCE 104 | 90 c Vapor Phase SCW | 36.8418 | 1.9995 | 2.0000 | 0.1275 |

| In-Test Vessel #/Rack # | Sample Identification | Test Environment | Weight (g) | Length (in) | Width (in) | Thickness (in) |
|---|---|---|---|---|---|---|
| 28-2B | NCE 105 | 90 c Vapor Phase SCW | 37.6354 | 2.0005 | 2.0000 | 0.1305 |
| 28-2A | NCE 106 | 90 c Aqueous Phase SCW | 37.7404 | 2.0005 | 2.0000 | 0.1325 |
| 28-2A | NCE 107 | 90 c Aqueous Phase SCW | 37.4373 | 2.0010 | 1.9995 | 0.1355 |
| 28-2A | NCE 108 | 90 c Aqueous Phase SCW | 37.4354 | 1.9980 | 1.9995 | 0.1405 |
| 29-3B | NCE 133 | 60 c Vapor Phase SDW | 37.3925 | 2.0000 | 1.9995 | 0.1295 |
| 29-3B | NCE 134 | 60 c Vapor Phase SDW | 37.4032 | 1.9995 | 2.0005 | 0.1360 |
| 29-3B | NCE 135 | 60 c Vapor Phase SDW | 37.4890 | 1.9995 | 1.9995 | 0.1300 |
| 29-3A | NCE 136 | 60 c Aqueous Phase SDW | 37.3730 | 2.0000 | 2.0005 | 0.1305 |
| 29-3A | NCE 137 | 60 c Aqueous Phase SDW | 37.4672 | 1.9995 | 2.0000 | 0.1300 |
| 29-3A | NCE 138 | 60 c Aqueous Phase SDW | 37.3859 | 2.0005 | 2.0000 | 0.1290 |
| 30-3B | NCE 163 | 90 c Vapor Phase SDW | 37.3845 | 1.9990 | 2.0005 | 0.1305 |
| 30-3B | NCE 164 | 90 c Vapor Phase SDW | 37.3308 | 2.0005 | 1.9980 | 0.1335 |
| 30-3B | NCE 165 | 90 c Vapor Phase SDW | 37.4282 | 1.9990 | 2.0005 | 0.1300 |
| 30-3A | NCE 166 | 90 c Aqueous Phase SDW | 37.6436 | 2.0015 | 2.0005 | 0.1305 |
| 30-3A | NCE 167 | 90 c Aqueous Phase SDW | 37.3771 | 2.0015 | 2.0000 | 0.1300 |
| 30-3A | NCE 168 | 90 c Aqueous Phase SDW | 37.3549 | 2.0000 | 2.0000 | 0.1295 |
| 25-1A | NWA 001 | 60 c Vapor Phase SAW | 19.7034 | 2.0110 | 1.0085 | 0.1385 |
| 25-1A | NWA 002 | 60 c Vapor Phase SAW | 19.7235 | 2.0055 | 1.0040 | 0.1390 |
| 25-1A | NWA 003 | 60 c Vapor Phase SAW | 19.7209 | 2.0090 | 1.0075 | 0.1385 |
| 25-1B | NWA 028 | 60 c Aqueous Phase SAW | 19.5092 | 2.0075 | 1.0080 | 0.1365 |
| 25-1B | NWA 029 | 60 c Aqueous Phase SAW | 19.8280 | 2.0070 | 1.0070 | 0.1390 |
| 25-1B | NWA 030 | 60 c Aqueous Phase SAW | 19.6379 | 2.0095 | 1.0075 | 0.1375 |
| 25-1A | NWA 031 | 60 c Waterline SAW | 19.7656 | 2.0065 | 1.0070 | 0.1390 |
| 26-2A | NWA 036 | 90 c Waterline SAW | 19.8289 | 2.0085 | 1.0050 | 0.1385 |
| 27-3A | NWA 041 | 60 c Waterline SCW | 20.0244 | 2.0100 | 1.0055 | 0.1405 |
| 28-2A | NWA 046 | 90 c Waterline SCW | 19.8194 | 2.0065 | 1.0090 | 0.1390 |
| 29-3A | NWA 051 | 60 c Waterline SDW | 19.9752 | 2.0050 | 1.0080 | 0.1405 |
| 30-3A | NWA 056 | 90 c Waterline SDW | 19.9738 | 2.0035 | 1.0075 | 0.1400 |

| In-Test Vessel #/Rack # | Sample Identification | Test Environment | Weight (g) | Length (in) | Width (in) | Thickness (in) |
|---|---|---|---|---|---|---|
| 26-2A | NWA 061 | 90 c Vapor Phase SAW | 20.0404 | 2.0080 | 1.0060 | 0.1395 |
| 26-2A | NWA 062 | 90 c Vapor Phase SAW | 19.9364 | 2.0090 | 1.0055 | 0.1395 |
| 26-2A | NWA 063 | 90 c Vapor Phase SAW | 20.0349 | 2.0090 | 1.0065 | 0.1405 |
| 26-2B | NWA 088 | 90 c Aqueous Phase SAW | 19.6836 | 2.0060 | 1.0075 | 0.1380 |
| 26-2B | NWA 089 | 90 c Aqueous Phase SAW | 19.7788 | 2.0030 | 1.0090 | 0.1380 |
| 26-2B | NWA 090 | 90 c Aqueous Phase SAW | 19.4982 | 2.0070 | 1.0060 | 0.1370 |
| 27-3A | NWA 091 | 60 c Vapor Phase SCW | 19.6171 | 2.0065 | 1.0040 | 0.1375 |
| 27-3A | NWA 092 | 60 c Vapor Phase SCW | 19.8399 | 2.0070 | 1.0070 | 0.1395 |
| 27-3A | NWA 093 | 60 c Vapor Phase SCW | 19.5511 | 2.0080 | 1.0035 | 0.1365 |
| 27-3B | NWA 118 | 60 c Aqueous Phase SCW | 19.6531 | 2.0065 | 1.0090 | 0.1380 |
| 27-3B | NWA 119 | 60 c Aqueous Phase SCW | 20.0680 | 2.0085 | 1.0070 | 0.1395 |
| 27-3B | NWA 120 | 60 c Aqueous Phase SCW | 19.8432 | 2.0040 | 1.0100 | 0.1380 |
| 28-2A | NWA 121 | 90 c Vapor Phase SCW | 19.9936 | 2.0100 | 1.0065 | 0.1400 |
| 28-2A | NWA 122 | 90 c Vapor Phase SCW | 19.7010 | 2.0060 | 1.0065 | 0.1395 |
| 28-2A | NWA 123 | 90 c Vapor Phase SCW | 19.7222 | 2.0070 | 1.0070 | 0.1395 |
| 28-2B | NWA 148 | 90 c Aqueous Phase SCW | 19.3840 | 2.0080 | 1.0105 | 0.1350 |
| 28-2B | NWA 149 | 90 c Aqueous Phase SCW | 19.3515 | 2.0055 | 1.0070 | 0.1370 |
| 28-2B | NWA 150 | 90 c Aqueous Phase SCW | 19.4907 | 2.0100 | 1.0090 | 0.1380 |
| 29-3A | NWA 151 | 60 c Vapor Phase SDW | 19.7082 | 2.0070 | 1.0080 | 0.1380 |
| 29-3A | NWA 152 | 60 c Vapor Phase SDW | 19.6336 | 2.0085 | 1.0070 | 0.1390 |
| 29-3A | NWA 153 | 60 c Vapor Phase SDW | 19.6778 | 2.0040 | 1.0085 | 0.1385 |
| 29-3B | NWA 178 | 60 c Aqueous Phase SDW | 19.8392 | 2.0095 | 1.0045 | 0.1395 |
| 29-3B | NWA 179 | 60 c Aqueous Phase SDW | 19.6181 | 2.0065 | 1.0080 | 0.1385 |
| 29-3B | NWA 180 | 60 c Aqueous Phase SDW | 19.5683 | 2.0105 | 1.0055 | 0.1375 |
| 30-3A | NWA 181 | 90 c Vapor Phase SDW | 19.7096 | 2.0020 | 1.0065 | 0.1390 |
| 30-3A | NWA 182 | 90 c Vapor Phase SDW | 19.8119 | 2.0080 | 1.0085 | 0.1390 |
| 30-3A | NWA 183 | 90 c Vapor Phase SDW | 19.7966 | 2.0095 | 1.0060 | 0.1390 |
| 30-3B | NWA 208 | 90 c Aqueous Phase SDW | 19.7749 | 2.0065 | 1.0110 | 0.1380 |

| In-Test Vessel #/Rack # | Sample Identification | Test Environment | Weight (g) | Length (in) | Width (in) | Thickness (in) |
|---|---|---|---|---|---|---|
| 30-3B | NWA 209 | 90 c Aqueous Phase SDW | 19.5930 | 2.0115 | 1.0060 | 0.1380 |
| 30-3B | NWA 210 | 90 c Aqueous Phase SDW | 19.8404 | 2.0075 | 1.0045 | 0.1400 |
| 25-1A | NWE 001 | 60 c Vapor Phase SAW | 19.0814 | 2.0040 | 0.9975 | 0.1370 |
| 25-1A | NWE 002 | 60 c Vapor Phase SAW | 19.3582 | 2.0045 | 0.9985 | 0.1385 |
| 25-1A | NWE 003 | 60 c Vapor Phase SAW | 19.2196 | 2.0040 | 0.9995 | 0.1370 |
| 25-1B | NWE 028 | 60 c Aqueous Phase SAW | 19.2116 | 2.0045 | 0.9975 | 0.1370 |
| 25-1B | NWE 029 | 60 c Aqueous Phase SAW | 19.5519 | 2.0055 | 1.0005 | 0.1380 |
| 25-1B | NWE 030 | 60 c Aqueous Phase SAW | 19.4061 | 2.0050 | 1.0000 | 0.1375 |
| 25-1B | NWE 031 | 60 c Waterline SAW | 19.5916 | 2.0055 | 0.9975 | 0.1390 |
| 26-2B | NWE 036 | 90 c Waterline SAW | 19.3028 | 2.0030 | 0.9975 | 0.1370 |
| 27-3B | NWE 041 | 60 c Waterline SCW | 19.3577 | 2.0035 | 0.9980 | 0.1370 |
| 28-2B | NWE 046 | 90 c Waterline SCW | 19.1717 | 2.0060 | 0.9985 | 0.1360 |
| 29-3B | NWE 051 | 60 c Waterline SDW | 19.3040 | 2.0040 | 0.9985 | 0.1365 |
| 30-3B | NWE 060 | 90 c Waterline SDW | 19.3838 | 2.0050 | 1.0010 | 0.1375 |
| 26-2A | NWE 061 | 90 c Vapor Phase SAW | 19.2797 | 2.0045 | 0.9990 | 0.1365 |
| 26-2A | NWE 062 | 90 c Vapor Phase SAW | 19.5419 | 2.0055 | 0.9965 | 0.1385 |
| 26-2A | NWE 063 | 90 c Vapor Phase SAW | 19.5142 | 2.0040 | 1.0000 | 0.1380 |
| 26-2B | NWE 088 | 90 c Aqueous Phase SAW | 19.4832 | 2.0050 | 0.9950 | 0.1395 |
| 26-2B | NWE 089 | 90 c Aqueous Phase SAW | 19.5752 | 2.0045 | 0.9955 | 0.1395 |
| 26-2B | NWE 090 | 90 c Aqueous Phase SAW | 19.4703 | 1.9995 | 0.9980 | 0.1385 |
| 27-3A | NWE 091 | 60 c Vapor Phase SCW | 19.4999 | 2.0050 | 1.0015 | 0.1380 |
| 27-3A | NWE 092 | 60 c Vapor Phase SCW | 19.1131 | 2.0050 | 0.9990 | 0.1355 |
| 27-3A | NWE 093 | 60 c Vapor Phase SCW | 19.4347 | 2.0040 | 0.9990 | 0.1385 |
| 27-3B | NWE 118 | 60 c Aqueous Phase SCW | 19.5081 | 2.0035 | 0.9955 | 0.1385 |
| 27-3B | NWE 119 | 60 c Aqueous Phase SCW | 19.1854 | 2.0040 | 0.9960 | 0.1360 |
| 27-3B | NWE 120 | 60 c Aqueous Phase SCW | 19.6633 | 2.0040 | 0.9975 | 0.1415 |
| 28-2A | NWE 121 | 90 c Vapor Phase SCW | 19.9355 | 2.0030 | 0.9980 | 0.1420 |
| 28-2A | NWE 122 | 90 c Vapor Phase SCW | 19.8826 | 2.0045 | 0.9990 | 0.1410 |

| In-Test Vessel #/Rack # | Sample Identification | Test Environment | Weight (g) | Length (in) | Width (in) | Thickness (in) |
|---|---|---|---|---|---|---|
| 28-2A | NWE 123 | 90 c Vapor Phase SCW | 19.3288 | 2.0040 | 0.9950 | 0.1385 |
| 28-2B | NWE 148 | 90 c Aqueous Phase SCW | 19.9850 | 2.0030 | 0.9970 | 0.1420 |
| 28-2B | NWE 149 | 90 c Aqueous Phase SCW | 20.2078 | 2.0030 | 0.9870 | 0.1465 |
| 28-2B | NWE 150 | 90 c Aqueous Phase SCW | 20.0465 | 2.0030 | 0.9990 | 0.1425 |
| 29-3A | NWE 151 | 60 c Vapor Phase SDW | 20.0856 | 2.0030 | 0.9990 | 0.1420 |
| 29-3A | NWE 152 | 60 c Vapor Phase SDW | 20.0983 | 2.0030 | 0.9970 | 0.1420 |
| 29-3A | NWE 153 | 60 c Vapor Phase SDW | 19.7808 | 2.0030 | 0.9980 | 0.1415 |
| 29-3B | NWE 178 | 60 c Aqueous Phase SDW | 19.7121 | 2.0030 | 0.9965 | 0.1405 |
| 29-3B | NWE 179 | 60 c Aqueous Phase SDW | 20.0503 | 2.0020 | 0.9995 | 0.1410 |
| 29-3B | NWE 180 | 60 c Aqueous Phase SDW | 19.9878 | 2.0025 | 1.0000 | 0.1410 |
| 30-3A | NWE 181 | 90 c Vapor Phase SDW | 20.2158 | 2.0025 | 0.9970 | 0.1440 |
| 30-3A | NWE 182 | 90 c Vapor Phase SDW | 20.1319 | 2.0030 | 0.9955 | 0.1430 |
| 30-3A | NWE 183 | 90 c Vapor Phase SDW | 19.6846 | 2.0025 | 0.9955 | 0.1395 |
| 30-3B | NWE 208 | 90 c Aqueous Phase SDW | 19.2505 | 2.0020 | 0.9980 | 0.1355 |
| 30-3B | NWE 209 | 90 c Aqueous Phase SDW | 19.4925 | 2.0020 | 0.9960 | 0.1385 |
| 30-3B | NWE 210 | 90 c Aqueous Phase SDW | 19.3798 | 2.0005 | 0.9965 | 0.1380 |

| Sample Identification | Weight (g) | Length (in) | Width (in) | Thickness (in) | Surface Area sq cm |
|---|---|---|---|---|---|
| NCA 013 | 41.4257 | 2.0010 | 2.0005 | 0.1435 | 58.9818 |
| NCA 014 | 41.4461 | 2.0000 | 2.0000 | 0.1435 | 58.9403 |
| NCA 015 | 41.4056 | 1.9990 | 2.0005 | 0.1435 | 58.9264 |
| NCA 016 | 41.2670 | 2.0000 | 2.0010 | 0.1430 | 58.9389 |
| NCA 017 | 41.3505 | 2.0000 | 2.0005 | 0.1430 | 58.9251 |
| NCA 018 | 41.4080 | 2.0000 | 2.0000 | 0.1430 | 58.9113 |
| NCA 043 | 41.2660 | 2.0000 | 2.0000 | 0.1435 | 58.9403 |
| NCA 044 | 41.4238 | 1.9995 | 2.0000 | 0.1440 | 58.9554 |
| NCA 045 | 41.1396 | 2.0000 | 2.0000 | 0.1430 | 58.9113 |
| NCA 046 | 41.4885 | 2.0000 | 2.0005 | 0.1440 | 58.9831 |
| NCA 047 | 41.3064 | 2.0000 | 2.0010 | 0.1435 | 58.9679 |
| NCA 048 | 41.2977 | 2.0005 | 1.9995 | 0.1435 | 58.9403 |
| NCA 073 | 41.7163 | 1.9985 | 1.9990 | 0.1450 | 58.9580 |
| NCA 074 | 41.7550 | 1.9995 | 2.0005 | 0.1455 | 59.0561 |
| NCA 075 | 41.8126 | 1.9990 | 1.9990 | 0.1455 | 59.0008 |
| NCA 076 | 41.5848 | 2.0000 | 1.9985 | 0.1445 | 58.9567 |
| NCA 077 | 41.3101 | 1.9990 | 1.9995 | 0.1435 | 58.8988 |
| NCA 078 | 41.7244 | 2.0000 | 2.0005 | 0.1455 | 59.0700 |
| NCA 103 | 41.6225 | 1.9975 | 2.0010 | 0.1445 | 58.9567 |
| NCA 104 | 41.6671 | 1.9985 | 2.0000 | 0.1450 | 58.9856 |
| NCA 105 | 41.7707 | 1.9990 | 2.0000 | 0.1455 | 59.0285 |
| NCA 106 | 41.8219 | 1.9990 | 1.9990 | 0.1465 | 59.0587 |
| NCA 107 | 41.6465 | 1.9990 | 1.9995 | 0.1475 | 59.1304 |
| NCA 108 | 41.7176 | 1.9980 | 1.9995 | 0.1455 | 58.9869 |
| NCA 133 | 41.7361 | 2.0000 | 2.0000 | 0.1465 | 59.1141 |
| NCA 134 | 41.0325 | 2.0010 | 1.9995 | 0.1435 | 58.9541 |
| NCA 135 | 41.6881 | 2.0000 | 2.0010 | 0.1450 | 59.0548 |
| NCA 136 | 41.6426 | 1.9995 | 1.9990 | 0.1440 | 58.9277 |
| NCA 137 | 41.6736 | 1.9990 | 1.9980 | 0.1455 | 58.9731 |
| NCA 138 | 41.8474 | 1.9985 | 1.9995 | 0.1475 | 59.1166 |
| NCA 163 | 41.8422 | 1.9990 | 1.9990 | 0.1455 | 59.0008 |
| NCA 164 | 41.7211 | 1.9990 | 2.0010 | 0.1450 | 59.0272 |
| NCA 165 | 41.8112 | 1.9975 | 2.0000 | 0.1460 | 59.0159 |
| NCA 166 | 41.8812 | 1.9990 | 2.0000 | 0.1455 | 59.0285 |
| NCA 167 | 41.9895 | 1.9990 | 1.9995 | 0.1460 | 59.0436 |
| NCA 168 | 41.9170 | 1.9985 | 1.9995 | 0.1455 | 59.0008 |
| NCE 013 | 37.0428 | 2.0005 | 1.9990 | 0.1285 | 58.0575 |
| NCE 014 | 37.5745 | 1.9985 | 1.9990 | 0.1310 | 58.1473 |
| NCE 015 | 37.4599 | 1.9970 | 1.9985 | 0.1300 | 58.0345 |
| NCE 016 | 37.7794 | 1.9995 | 1.9990 | 0.1320 | 58.2327 |
| NCE 017 | 37.5494 | 1.9980 | 1.9980 | 0.1295 | 58.0193 |
| NCE 018 | 37.1041 | 2.0005 | 2.0005 | 0.1305 | 58.2146 |
| NCE 043 | 37.5394 | 2.0005 | 1.9995 | 0.1315 | 58.2450 |
| NCE 044 | 37.3828 | 2.0005 | 2.0005 | 0.1290 | 58.1277 |
| NCE 045 | 37.3954 | 2.0015 | 2.0000 | 0.1310 | 58.2573 |
| NCE 046 | 37.3954 | 1.9990 | 2.0005 | 0.1320 | 58.2602 |
| NCE 047 | 37.4630 | 1.9995 | 1.9995 | 0.1360 | 58.4782 |
| NCE 048 | 37.4637 | 1.9990 | 1.9995 | 0.1345 | 58.3775 |
| NCE 073 | 37.2748 | 2.0015 | 1.9990 | 0.1300 | 58.1718 |
| NCE 074 | 36.9539 | 1.9995 | 1.9995 | 0.1280 | 58.0148 |
| NCE 075 | 37.2937 | 1.9980 | 2.0000 | 0.1315 | 58.1900 |
| NCE 076 | 37.3522 | 1.9990 | 2.0000 | 0.1295 | 58.1017 |
| NCE 077 | 37.5160 | 1.9985 | 2.0005 | 0.1300 | 58.1306 |
| NCE 078 | 37.3050 | 2.0000 | 2.0010 | 0.1290 | 58.1277 |

| Sample Identification | Weight (g) | Length (in) | Width (in) | Thickness (in) | Surface Area sq cm |
|---|---|---|---|---|---|
| NCE 103 | 37.3591 | 2.0000 | 2.0000 | 0.1295 | 58.1291 |
| NCE 104 | 36.8418 | 1.9995 | 2.0000 | 0.1275 | 57.9995 |
| NCE 105 | 37.6354 | 2.0005 | 2.0000 | 0.1305 | 58.2008 |
| NCE 106 | 37.7404 | 2.0005 | 2.0000 | 0.1325 | 58.3167 |
| NCE 107 | 37.4373 | 2.0010 | 1.9995 | 0.1355 | 58.4905 |
| NCE 108 | 37.4354 | 1.9980 | 1.9995 | 0.1405 | 58.6974 |
| NCE 133 | 37.3925 | 2.0000 | 1.9995 | 0.1295 | 58.1154 |
| NCE 134 | 37.4032 | 1.9995 | 2.0005 | 0.1360 | 58.5057 |
| NCE 135 | 37.4890 | 1.9995 | 1.9995 | 0.1300 | 58.1306 |
| NCE 136 | 37.3730 | 2.0000 | 2.0005 | 0.1305 | 58.2008 |
| NCE 137 | 37.4672 | 1.9995 | 2.0000 | 0.1300 | 58.1444 |
| NCE 138 | 37.3859 | 2.0005 | 2.0000 | 0.1290 | 58.1139 |
| NCE 163 | 37.3845 | 1.9990 | 2.0005 | 0.1305 | 58.1733 |
| NCE 164 | 37.3308 | 2.0005 | 1.9980 | 0.1335 | 58.3196 |
| NCE 165 | 37.4282 | 1.9990 | 2.0005 | 0.1300 | 58.1444 |
| NCE 166 | 37.6436 | 2.0015 | 2.0005 | 0.1305 | 58.2421 |
| NCE 167 | 37.3771 | 2.0015 | 2.0000 | 0.1300 | 58.1993 |
| NCE 168 | 37.3549 | 2.0000 | 2.0000 | 0.1295 | 58.1291 |

| Sample Identification | Weight (g) | Length (in) | Width (in) | Thickness (in) | Surface Area sq cm |
|---|---|---|---|---|---|
| NWA 001 | 19.7034 | 2.0110 | 1.0085 | 0.1385 | 31.4544 |
| NWA 002 | 19.7235 | 2.0055 | 1.0040 | 0.1390 | 31.2711 |
| NWA 003 | 19.7209 | 2.0090 | 1.0075 | 0.1385 | 31.3971 |
| NWA 028 | 19.5092 | 2.0075 | 1.0080 | 0.1365 | 31.2983 |
| NWA 029 | 19.8280 | 2.0070 | 1.0070 | 0.1390 | 31.3763 |
| NWA 030 | 19.6379 | 2.0095 | 1.0075 | 0.1375 | 31.3593 |
| NWA 031 | 19.7656 | 2.0065 | 1.0070 | 0.1390 | 31.3689 |
| NWA 036 | 19.8289 | 2.0085 | 1.0050 | 0.1385 | 31.3205 |
| NWA 041 | 20.0244 | 2.0100 | 1.0055 | 0.1405 | 31.4469 |
| NWA 046 | 19.8194 | 2.0065 | 1.0090 | 0.1390 | 31.4243 |
| NWA 051 | 19.9752 | 2.0050 | 1.0080 | 0.1405 | 31.4422 |
| NWA 056 | 19.9738 | 2.0035 | 1.0075 | 0.1400 | 31.3836 |
| NWA 061 | 20.0404 | 2.0080 | 1.0060 | 0.1395 | 31.3860 |
| NWA 062 | 19.9364 | 2.0090 | 1.0055 | 0.1395 | 31.3869 |
| NWA 063 | 20.0349 | 2.0090 | 1.0065 | 0.1405 | 31.4599 |
| NWA 088 | 19.6836 | 2.0060 | 1.0075 | 0.1380 | 31.3302 |
| NWA 089 | 19.7788 | 2.0030 | 1.0090 | 0.1380 | 31.3273 |
| NWA 090 | 19.4982 | 2.0070 | 1.0060 | 0.1370 | 31.2582 |
| NWA 091 | 19.6171 | 2.0065 | 1.0040 | 0.1375 | 31.2181 |
| NWA 092 | 19.8399 | 2.0070 | 1.0070 | 0.1395 | 31.3989 |
| NWA 093 | 19.5511 | 2.0080 | 1.0035 | 0.1365 | 31.1812 |
| NWA 118 | 19.6531 | 2.0065 | 1.0090 | 0.1380 | 31.3791 |
| NWA 119 | 20.0680 | 2.0085 | 1.0070 | 0.1395 | 31.4211 |
| NWA 120 | 19.8432 | 2.0040 | 1.0100 | 0.1380 | 31.3697 |
| NWA 121 | 19.9936 | 2.0100 | 1.0065 | 0.1400 | 31.4521 |
| NWA 122 | 19.7010 | 2.0060 | 1.0065 | 0.1395 | 31.3703 |
| NWA 123 | 19.7222 | 2.0070 | 1.0070 | 0.1395 | 31.3989 |
| NWA 148 | 19.3840 | 2.0080 | 1.0105 | 0.1350 | 31.3070 |
| NWA 149 | 19.3515 | 2.0055 | 1.0070 | 0.1370 | 31.2637 |
| NWA 150 | 19.4907 | 2.0100 | 1.0090 | 0.1380 | 31.4309 |
| NWA 151 | 19.7082 | 2.0070 | 1.0080 | 0.1380 | 31.3588 |
| NWA 152 | 19.6336 | 2.0085 | 1.0070 | 0.1390 | 31.3985 |
| NWA 153 | 19.6778 | 2.0040 | 1.0085 | 0.1385 | 31.3508 |
| NWA 178 | 19.8392 | 2.0095 | 1.0045 | 0.1395 | 31.3666 |
| NWA 179 | 19.6181 | 2.0065 | 1.0080 | 0.1385 | 31.3740 |
| NWA 180 | 19.5683 | 2.0105 | 1.0055 | 0.1375 | 31.3186 |
| NWA 181 | 19.7096 | 2.0020 | 1.0065 | 0.1390 | 31.2886 |
| NWA 182 | 19.8119 | 2.0080 | 1.0085 | 0.1390 | 31.4327 |
| NWA 183 | 19.7966 | 2.0095 | 1.0060 | 0.1390 | 31.3856 |
| NWA 208 | 19.7749 | 2.0065 | 1.0110 | 0.1380 | 31.4344 |
| NWA 209 | 19.5930 | 2.0115 | 1.0060 | 0.1380 | 31.3698 |
| NWA 210 | 19.8404 | 2.0075 | 1.0045 | 0.1400 | 31.3597 |
| NWE 001 | 19.0814 | 2.0040 | 0.9975 | 0.1370 | 30.9792 |
| NWE 002 | 19.3582 | 2.0045 | 0.9985 | 0.1385 | 31.0817 |
| NWE 003 | 19.2196 | 2.0040 | 0.9995 | 0.1370 | 31.0344 |
| NWE 028 | 19.2116 | 2.0045 | 0.9975 | 0.1370 | 30.9865 |
| NWE 029 | 19.5519 | 2.0055 | 1.0005 | 0.1380 | 31.1292 |
| NWE 030 | 19.4061 | 2.0050 | 1.0000 | 0.1375 | 31.0854 |
| NWE 031 | 19.5916 | 2.0055 | 0.9975 | 0.1390 | 31.0913 |
| NWE 036 | 19.3028 | 2.0030 | 0.9975 | 0.1370 | 30.9645 |
| NWE 041 | 19.3577 | 2.0035 | 0.9980 | 0.1370 | 30.9856 |
| NWE 046 | 19.1717 | 2.0060 | 0.9985 | 0.1360 | 30.9910 |
| NWE 051 | 19.3040 | 2.0040 | 0.9985 | 0.1365 | 30.9842 |
| NWE 060 | 19.3838 | 2.0050 | 1.0010 | 0.1375 | 31.1131 |

| Sample Identification | Weight (g) | Length (in) | Width (in) | Thickness (in) | Surface Area sq cm |
|---|---|---|---|---|---|
| NWE 061 | 19.2797 | 2.0045 | 0.9990 | 0.1365 | 31.0054 |
| NWE 062 | 19.5419 | 2.0055 | 0.9965 | 0.1385 | 31.0411 |
| NWE 063 | 19.5142 | 2.0040 | 1.0000 | 0.1380 | 31.0933 |
| NWE 088 | 19.4832 | 2.0050 | 0.9950 | 0.1395 | 31.0373 |
| NWE 089 | 19.5752 | 2.0045 | 0.9955 | 0.1395 | 31.0438 |
| NWE 090 | 19.4703 | 1.9995 | 0.9980 | 0.1385 | 30.9946 |
| NWE 091 | 19.4999 | 2.0050 | 1.0015 | 0.1380 | 31.1495 |
| NWE 092 | 19.1131 | 2.0050 | 0.9990 | 0.1355 | 30.9676 |
| NWE 093 | 19.4347 | 2.0040 | 0.9990 | 0.1385 | 31.0882 |
| NWE 118 | 19.5081 | 2.0035 | 0.9955 | 0.1385 | 30.9841 |
| NWE 119 | 19.1854 | 2.0040 | 0.9960 | 0.1360 | 30.8927 |
| NWE 120 | 19.6633 | 2.0040 | 0.9975 | 0.1415 | 31.1819 |
| NWE 121 | 19.9355 | 2.0030 | 0.9980 | 0.1420 | 31.2036 |
| NWE 122 | 19.8826 | 2.0045 | 0.9990 | 0.1410 | 31.2082 |
| NWE 123 | 19.3288 | 2.0040 | 0.9950 | 0.1385 | 30.9776 |
| NWE 148 | 19.9850 | 2.0030 | 0.9970 | 0.1420 | 31.1759 |
| NWE 149 | 20.2078 | 2.0030 | 0.9870 | 0.1465 | 31.1012 |
| NWE 150 | 20.0465 | 2.0030 | 0.9990 | 0.1425 | 31.2538 |
| NWE 151 | 20.0856 | 2.0030 | 0.9990 | 0.1420 | 31.2312 |
| NWE 152 | 20.0983 | 2.0030 | 0.9970 | 0.1420 | 31.1759 |
| NWE 153 | 19.7808 | 2.0030 | 0.9980 | 0.1415 | 31.1810 |
| NWE 178 | 19.7121 | 2.0030 | 0.9965 | 0.1405 | 31.0945 |
| NWE 179 | 20.0503 | 2.0020 | 0.9995 | 0.1410 | 31.1853 |
| NWE 180 | 19.9878 | 2.0025 | 1.0000 | 0.1410 | 31.2065 |
| NWE 181 | 20.2158 | 2.0025 | 0.9970 | 0.1440 | 31.2586 |
| NWE 182 | 20.1319 | 2.0030 | 0.9955 | 0.1430 | 31.1794 |
| NWE 183 | 19.6846 | 2.0025 | 0.9955 | 0.1395 | 31.0145 |
| NWE 208 | 19.2505 | 2.0020 | 0.9980 | 0.1355 | 30.8961 |
| NWE 209 | 19.4925 | 2.0020 | 0.9960 | 0.1385 | 30.9760 |
| NWE 210 | 19.3798 | 2.0005 | 0.9965 | 0.1380 | 30.9453 |

| Date | Person Taking Measurements | Post-Test Cleaning Method | Cleaning # | Weighing # | Balance Used (Model/SN) | Sample Identification | Weight (g) |
|---|---|---|---|---|---|---|---|
| 3/26/03 1:42 PM | Lana Wong | TIP-CM-51-0-4 | 2 | 1 | Mettler AT200/1114463500 | NWA 091 | 19.6170 |
| 3/26/03 1:43 PM | Lana Wong | TIP-CM-51-0-4 | 2 | 1 | Mettler AT200/1114463500 | NWA 092 | 19.8397 |
| 3/26/03 1:43 PM | Lana Wong | TIP-CM-51-0-4 | 2 | 1 | Mettler AT200/1114463500 | NWA 093 | 19.5509 |
| 3/26/03 1:44 PM | Lana Wong | TIP-CM-51-0-4 | 2 | 1 | Mettler AT200/1114463500 | NWE 091 | 19.4997 |
| 3/26/03 1:44 PM | Lana Wong | TIP-CM-51-0-4 | 2 | 1 | Mettler AT200/1114463500 | NCA 073 | 41.7163 |
| 3/26/03 1:45 PM | Lana Wong | TIP-CM-51-0-4 | 2 | 1 | Mettler AT200/1114463500 | NCA 074 | 41.7547 |
| 3/26/03 1:46 PM | Lana Wong | TIP-CM-51-0-4 | 2 | 1 | Mettler AT200/1114463500 | NWE 092 | 19.1130 |
| 3/26/03 1:46 PM | Lana Wong | TIP-CM-51-0-4 | 2 | 1 | Mettler AT200/1114463500 | NWE 093 | 19.4345 |
| 3/26/03 1:47 PM | Lana Wong | TIP-CM-51-0-4 | 1 | 1 | Mettler AT200/1114463500 | NCA 075 | 41.8127 |
| 3/26/03 1:47 PM | Lana Wong | TIP-CM-51-0-4 | 2 | 1 | Mettler AT200/1114463500 | NCE 073 | 37.2746 |
| 3/26/03 1:48 PM | Lana Wong | TIP-CM-51-0-4 | 2 | 1 | Mettler AT200/1114463500 | NCE 074 | 36.9536 |
| 3/26/03 2:54 PM | Lana Wong | TIP-CM-51-0-4 | 2 | 1 | Mettler AT200/1114463500 | NWA 118 | 19.6522 |
| 3/26/03 2:55 PM | Lana Wong | TIP-CM-51-0-4 | 2 | 1 | Mettler AT200/1114463500 | NWA 120 | 19.8423 |
| 3/26/03 2:55 PM | Lana Wong | TIP-CM-51-0-4 | 2 | 1 | Mettler AT200/1114463500 | NWA 119 | 20.0679 |
| 3/26/03 2:56 PM | Lana Wong | TIP-CM-51-0-4 | 2 | 1 | Mettler AT200/1114463500 | NCA 076 | 41.5839 |
| 3/26/03 2:56 PM | Lana Wong | TIP-CM-51-0-4 | 2 | 1 | Mettler AT200/1114463500 | NWE 118 | 19.5077 |
| 3/26/03 2:57 PM | Lana Wong | TIP-CM-51-0-4 | 2 | 1 | Mettler AT200/1114463500 | NCA 077 | 41.3095 |
| 3/26/03 2:58 PM | Lana Wong | TIP-CM-51-0-4 | 2 | 1 | Mettler AT200/1114463500 | NWE 119 | 19.1849 |
| 3/26/03 2:58 PM | Lana Wong | TIP-CM-51-0-4 | 2 | 1 | Mettler AT200/1114463500 | NWE 120 | 19.6627 |
| 3/26/03 2:59 PM | Lana Wong | TIP-CM-51-0-4 | 2 | 1 | Mettler AT200/1114463500 | NCA 078 | 41.7238 |
| 3/26/03 2:59 PM | Lana Wong | TIP-CM-51-0-4 | 2 | 1 | Mettler AT200/1114463500 | NCE 076 | 37.3518 |
| 3/26/03 3:00 PM | Lana Wong | TIP-CM-51-0-4 | 2 | 1 | Mettler AT200/1114463500 | NCE 077 | 37.5157 |
| 3/26/03 4:15 PM | Lana Wong | TIP-CM-51-0-4 | 2 | 1 | Mettler AT200/1114463500 | NWA 121 | 19.9936 |
| 3/26/03 4:16 PM | Lana Wong | TIP-CM-51-0-4 | 1 | 1 | Mettler AT200/1114463500 | NWA 123 | 19.7224 |
| 3/26/03 4:16 PM | Lana Wong | TIP-CM-51-0-4 | 2 | 1 | Mettler AT200/1114463500 | NWA 122 | 19.7005 |
| 3/26/03 4:17 PM | Lana Wong | TIP-CM-51-0-4 | 2 | 1 | Mettler AT200/1114463500 | NWE 121 | 19.9354 |
| 3/26/03 4:17 PM | Lana Wong | TIP-CM-51-0-4 | 1 | 1 | Mettler AT200/1114463500 | NCA 103 | 41.6230 |
| 3/26/03 4:18 PM | Lana Wong | TIP-CM-51-0-4 | 1 | 1 | Mettler AT200/1114463500 | NCA 104 | 41.6674 |
| 3/26/03 4:19 PM | Lana Wong | TIP-CM-51-0-4 | 2 | 1 | Mettler AT200/1114463500 | NWE 122 | 19.8826 |
| 3/26/03 4:19 PM | Lana Wong | TIP-CM-51-0-4 | 2 | 1 | Mettler AT200/1114463500 | NWE 123 | 19.3288 |
| 3/26/03 4:20 PM | Lana Wong | TIP-CM-51-0-4 | 1 | 1 | Mettler AT200/1114463500 | NCE 103 | 37.3589 |
| 3/26/03 4:20 PM | Lana Wong | TIP-CM-51-0-4 | 2 | 1 | Mettler AT200/1114463500 | NCA 105 | 41.7707 |
| 3/26/03 4:21 PM | Lana Wong | TIP-CM-51-0-4 | 1 | 1 | Mettler AT200/1114463500 | NCE 104 | 36.8417 |
| 3/27/03 8:10 AM | Lana Wong | TIP-CM-51-0-4 | 2 | 2 | Mettler AT200/1114463500 | NWA 091 | 19.6170 |
| 3/27/03 8:11 AM | Lana Wong | TIP-CM-51-0-4 | 2 | 2 | Mettler AT200/1114463500 | NWA 092 | 19.8396 |
| 3/27/03 8:11 AM | Lana Wong | TIP-CM-51-0-4 | 2 | 2 | Mettler AT200/1114463500 | NWA 093 | 19.5510 |
| 3/27/03 8:12 AM | Lana Wong | TIP-CM-51-0-4 | 2 | 2 | Mettler AT200/1114463500 | NCA 073 | 41.7163 |
| 3/27/03 8:12 AM | Lana Wong | TIP-CM-51-0-4 | 2 | 2 | Mettler AT200/1114463500 | NWE 091 | 19.4997 |
| 3/27/03 8:13 AM | Lana Wong | TIP-CM-51-0-4 | 2 | 2 | Mettler AT200/1114463500 | NCA 074 | 41.7548 |
| 3/27/03 8:14 AM | Lana Wong | TIP-CM-51-0-4 | 2 | 2 | Mettler AT200/1114463500 | NWE 093 | 19.4345 |
| 3/27/03 8:14 AM | Lana Wong | TIP-CM-51-0-4 | 2 | 2 | Mettler AT200/1114463500 | NWE 092 | 19.1131 |
| 3/27/03 8:15 AM | Lana Wong | TIP-CM-51-0-4 | 2 | 2 | Mettler AT200/1114463500 | NCE 073 | 37.2747 |
| 3/27/03 8:15 AM | Lana Wong | TIP-CM-51-0-4 | 1 | 2 | Mettler AT200/1114463500 | NCA 075 | 41.8128 |

| Date | Person Taking Measurements | Post-Test Cleaning Method | Cleaning # | Weighing # | Balance Used (Model/SN) | Sample Identification | Weight (g) |
|---|---|---|---|---|---|---|---|
| 3/27/03 8:16 AM | Lana Wong | TIP-CM-51-0-4 | 2 | 2 | Mettler AT200/1114463500 | NCE 074 | 36.9537 |
| 3/27/03 8:17 AM | Lana Wong | TIP-CM-51-0-4 | 2 | 2 | Mettler AT200/1114463500 | NWA 118 | 19.6524 |
| 3/27/03 8:17 AM | Lana Wong | TIP-CM-51-0-4 | 2 | 2 | Mettler AT200/1114463500 | NWA 119 | 20.0679 |
| 3/27/03 8:18 AM | Lana Wong | TIP-CM-51-0-4 | 2 | 2 | Mettler AT200/1114463500 | NWE 118 | 19.5077 |
| 3/27/03 8:18 AM | Lana Wong | TIP-CM-51-0-4 | 2 | 2 | Mettler AT200/1114463500 | NWA 120 | 19.8423 |
| 3/27/03 8:19 AM | Lana Wong | TIP-CM-51-0-4 | 2 | 2 | Mettler AT200/1114463500 | NCA 076 | 41.5841 |
| 3/27/03 8:19 AM | Lana Wong | TIP-CM-51-0-4 | 2 | 2 | Mettler AT200/1114463500 | NCA 077 | 41.3096 |
| 3/27/03 8:20 AM | Lana Wong | TIP-CM-51-0-4 | 2 | 2 | Mettler AT200/1114463500 | NWE 119 | 19.1849 |
| 3/27/03 8:21 AM | Lana Wong | TIP-CM-51-0-4 | 2 | 2 | Mettler AT200/1114463500 | NWE 120 | 19.6626 |
| 3/27/03 8:21 AM | Lana Wong | TIP-CM-51-0-4 | 2 | 2 | Mettler AT200/1114463500 | NCA 078 | 41.7239 |
| 3/27/03 8:22 AM | Lana Wong | TIP-CM-51-0-4 | 2 | 2 | Mettler AT200/1114463500 | NCE 076 | 37.3518 |
| 3/27/03 8:22 AM | Lana Wong | TIP-CM-51-0-4 | 2 | 2 | Mettler AT200/1114463500 | NCE 077 | 37.5158 |
| 3/27/03 8:23 AM | Lana Wong | TIP-CM-51-0-4 | 2 | 2 | Mettler AT200/1114463500 | NWA 121 | 19.9936 |
| 3/27/03 8:24 AM | Lana Wong | TIP-CM-51-0-4 | 2 | 2 | Mettler AT200/1114463500 | NWA 122 | 19.7006 |
| 3/27/03 8:24 AM | Lana Wong | TIP-CM-51-0-4 | 1 | 2 | Mettler AT200/1114463500 | NWA 123 | 19.7224 |
| 3/27/03 8:25 AM | Lana Wong | TIP-CM-51-0-4 | 1 | 2 | Mettler AT200/1114463500 | NCA 103 | 41.6233 |
| 3/27/03 8:25 AM | Lana Wong | TIP-CM-51-0-4 | 2 | 2 | Mettler AT200/1114463500 | NWE 121 | 19.9355 |
| 3/27/03 8:26 AM | Lana Wong | TIP-CM-51-0-4 | 1 | 2 | Mettler AT200/1114463500 | NCA 104 | 41.6675 |
| 3/27/03 8:27 AM | Lana Wong | TIP-CM-51-0-4 | 2 | 2 | Mettler AT200/1114463500 | NWE 122 | 19.8826 |
| 3/27/03 8:27 AM | Lana Wong | TIP-CM-51-0-4 | 2 | 2 | Mettler AT200/1114463500 | NWE 123 | 19.3288 |
| 3/27/03 8:28 AM | Lana Wong | TIP-CM-51-0-4 | 1 | 2 | Mettler AT200/1114463500 | NCE 103 | 37.3591 |
| 3/27/03 8:28 AM | Lana Wong | TIP-CM-51-0-4 | 2 | 2 | Mettler AT200/1114463500 | NCA 105 | 41.7707 |
| 3/27/03 8:29 AM | Lana Wong | TIP-CM-51-0-4 | 1 | 2 | Mettler AT200/1114463500 | NCE 104 | 36.8418 |
| 3/27/03 10:45 AM | Lana Wong | TIP-CM-51-0-4 | 1 | 1 | Mettler AT200/1114463500 | NWA 148 | 19.3824 |
| 3/27/03 10:46 AM | Lana Wong | TIP-CM-51-0-4 | 1 | 1 | Mettler AT200/1114463500 | NWA 149 | 19.3500 |
| 3/27/03 10:46 AM | Lana Wong | TIP-CM-51-0-4 | 1 | 1 | Mettler AT200/1114463500 | NWA 150 | 19.4891 |
| 3/27/03 10:47 AM | Lana Wong | TIP-CM-51-0-4 | 1 | 1 | Mettler AT200/1114463500 | NCA 106 | 41.8200 |
| 3/27/03 10:47 AM | Lana Wong | TIP-CM-51-0-4 | 1 | 1 | Mettler AT200/1114463500 | NWE 148 | 19.9835 |
| 3/27/03 10:48 AM | Lana Wong | TIP-CM-51-0-4 | 1 | 1 | Mettler AT200/1114463500 | NCA 107 | 41.6439 |
| 3/27/03 10:49 AM | Lana Wong | TIP-CM-51-0-4 | 1 | 1 | Mettler AT200/1114463500 | NWE 149 | 20.2061 |
| 3/27/03 10:49 AM | Lana Wong | TIP-CM-51-0-4 | 1 | 1 | Mettler AT200/1114463500 | NWE 150 | 20.0448 |
| 3/27/03 10:50 AM | Lana Wong | TIP-CM-51-0-4 | 1 | 1 | Mettler AT200/1114463500 | NCA 108 | 41.7156 |
| 3/27/03 10:50 AM | Lana Wong | TIP-CM-51-0-4 | 1 | 1 | Mettler AT200/1114463500 | NCE 106 | 37.7386 |
| 3/27/03 10:51 AM | Lana Wong | TIP-CM-51-0-4 | 1 | 1 | Mettler AT200/1114463500 | NCE 107 | 37.4352 |
| 3/27/03 12:55 PM | Lana Wong | TIP-CM-51-0-4 | 2 | 3 | Mettler AT200/1114463500 | NWA 091 | 19.6170 |
| 3/27/03 12:56 PM | Lana Wong | TIP-CM-51-0-4 | 2 | 3 | Mettler AT200/1114463500 | NWA 092 | 19.8397 |
| 3/27/03 12:56 PM | Lana Wong | TIP-CM-51-0-4 | 2 | 3 | Mettler AT200/1114463500 | NWA 093 | 19.5510 |
| 3/27/03 12:57 PM | Lana Wong | TIP-CM-51-0-4 | 2 | 3 | Mettler AT200/1114463500 | NCA 073 | 41.7163 |
| 3/27/03 12:57 PM | Lana Wong | TIP-CM-51-0-4 | 2 | 3 | Mettler AT200/1114463500 | NWE 091 | 19.4997 |
| 3/27/03 12:58 PM | Lana Wong | TIP-CM-51-0-4 | 2 | 3 | Mettler AT200/1114463500 | NCA 074 | 41.7548 |
| 3/27/03 12:59 PM | Lana Wong | TIP-CM-51-0-4 | 2 | 3 | Mettler AT200/1114463500 | NWE 093 | 19.4345 |
| 3/27/03 12:59 PM | Lana Wong | TIP-CM-51-0-4 | 2 | 3 | Mettler AT200/1114463500 | NWE 092 | 19.1130 |
| 3/27/03 1:00 PM | Lana Wong | TIP-CM-51-0-4 | 2 | 3 | Mettler AT200/1114463500 | NCE 073 | 37.2747 |

| Date | Person Taking Measurements | Post-Test Cleaning Method | Cleaning # | Weighing # | Balance Used (Model/SN) | Sample Identification | Weight (g) |
|---|---|---|---|---|---|---|---|
| 3/27/03 1:00 PM | Lana Wong | TIP-CM-51-0-4 | 1 | 3 | Mettler AT200/1114463500 | NCA 075 | 41.8129 |
| 3/27/03 1:01 PM | Lana Wong | TIP-CM-51-0-4 | 2 | 3 | Mettler AT200/1114463500 | NCE 074 | 36.9537 |
| 3/27/03 1:02 PM | Lana Wong | TIP-CM-51-0-4 | 2 | 3 | Mettler AT200/1114463500 | NWA 118 | 19.6522 |
| 3/27/03 1:02 PM | Lana Wong | TIP-CM-51-0-4 | 2 | 3 | Mettler AT200/1114463500 | NWA 119 | 20.0679 |
| 3/27/03 1:03 PM | Lana Wong | TIP-CM-51-0-4 | 2 | 3 | Mettler AT200/1114463500 | NWA 120 | 19.8423 |
| 3/27/03 1:03 PM | Lana Wong | TIP-CM-51-0-4 | 2 | 3 | Mettler AT200/1114463500 | NWE 118 | 19.5077 |
| 3/27/03 1:04 PM | Lana Wong | TIP-CM-51-0-4 | 2 | 3 | Mettler AT200/1114463500 | NCA 077 | 41.3096 |
| 3/27/03 1:04 PM | Lana Wong | TIP-CM-51-0-4 | 2 | 3 | Mettler AT200/1114463500 | NCA 076 | 41.5841 |
| 3/27/03 1:05 PM | Lana Wong | TIP-CM-51-0-4 | 2 | 3 | Mettler AT200/1114463500 | NWE 119 | 19.1849 |
| 3/27/03 1:06 PM | Lana Wong | TIP-CM-51-0-4 | 2 | 3 | Mettler AT200/1114463500 | NWE 120 | 19.6627 |
| 3/27/03 1:06 PM | Lana Wong | TIP-CM-51-0-4 | 2 | 3 | Mettler AT200/1114463500 | NCA 078 | 41.7239 |
| 3/27/03 1:07 PM | Lana Wong | TIP-CM-51-0-4 | 2 | 3 | Mettler AT200/1114463500 | NCE 077 | 37.5157 |
| 3/27/03 1:07 PM | Lana Wong | TIP-CM-51-0-4 | 2 | 3 | Mettler AT200/1114463500 | NCE 076 | 37.3518 |
| 3/27/03 1:08 PM | Lana Wong | TIP-CM-51-0-4 | 2 | 3 | Mettler AT200/1114463500 | NWA 121 | 19.9936 |
| 3/27/03 1:09 PM | Lana Wong | TIP-CM-51-0-4 | 2 | 3 | Mettler AT200/1114463500 | NWA 122 | 19.7005 |
| 3/27/03 1:09 PM | Lana Wong | TIP-CM-51-0-4 | 1 | 3 | Mettler AT200/1114463500 | NWA 123 | 19.7224 |
| 3/27/03 1:10 PM | Lana Wong | TIP-CM-51-0-4 | 2 | 3 | Mettler AT200/1114463500 | NWE 121 | 19.9355 |
| 3/27/03 1:10 PM | Lana Wong | TIP-CM-51-0-4 | 1 | 3 | Mettler AT200/1114463500 | NCA 103 | 41.6232 |
| 3/27/03 1:11 PM | Lana Wong | TIP-CM-51-0-4 | 1 | 3 | Mettler AT200/1114463500 | NCA 104 | 41.6676 |
| 3/27/03 1:12 PM | Lana Wong | TIP-CM-51-0-4 | 2 | 3 | Mettler AT200/1114463500 | NWE 122 | 19.8827 |
| 3/27/03 1:12 PM | Lana Wong | TIP-CM-51-0-4 | 2 | 3 | Mettler AT200/1114463500 | NWE 123 | 19.3289 |
| 3/27/03 1:13 PM | Lana Wong | TIP-CM-51-0-4 | 2 | 3 | Mettler AT200/1114463500 | NCA 105 | 41.7708 |
| 3/27/03 1:13 PM | Lana Wong | TIP-CM-51-0-4 | 1 | 3 | Mettler AT200/1114463500 | NCE 103 | 37.3591 |
| 3/27/03 1:14 PM | Lana Wong | TIP-CM-51-0-4 | 1 | 3 | Mettler AT200/1114463500 | NCE 104 | 36.8418 |
| 3/27/03 3:40 PM | Lana Wong | TIP-CM-51-0-4 | 1 | 1 | Mettler AT200/1114463500 | NWA 151 | 19.7082 |
| 3/27/03 3:41 PM | Lana Wong | TIP-CM-51-0-4 | 1 | 1 | Mettler AT200/1114463500 | NWA 152 | 19.6335 |
| 3/27/03 3:41 PM | Lana Wong | TIP-CM-51-0-4 | 1 | 1 | Mettler AT200/1114463500 | NWA 153 | 19.6778 |
| 3/27/03 3:42 PM | Lana Wong | TIP-CM-51-0-4 | 1 | 1 | Mettler AT200/1114463500 | NWE 151 | 20.0856 |
| 3/27/03 3:42 PM | Lana Wong | TIP-CM-51-0-4 | 1 | 1 | Mettler AT200/1114463500 | NCA 133 | 41.7364 |
| 3/27/03 3:43 PM | Lana Wong | TIP-CM-51-0-4 | 1 | 1 | Mettler AT200/1114463500 | NCA 134 | 41.0325 |
| 3/27/03 3:44 PM | Lana Wong | TIP-CM-51-0-4 | 1 | 1 | Mettler AT200/1114463500 | NWE 152 | 20.0983 |
| 3/27/03 3:44 PM | Lana Wong | TIP-CM-51-0-4 | 1 | 1 | Mettler AT200/1114463500 | NWE 153 | 19.7808 |
| 3/27/03 3:45 PM | Lana Wong | TIP-CM-51-0-4 | 1 | 1 | Mettler AT200/1114463500 | NCE 133 | 37.3925 |
| 3/27/03 3:45 PM | Lana Wong | TIP-CM-51-0-4 | 1 | 1 | Mettler AT200/1114463500 | NCA 135 | 41.6881 |
| 3/27/03 3:46 PM | Lana Wong | TIP-CM-51-0-4 | 1 | 1 | Mettler AT200/1114463500 | NCE 134 | 37.4032 |
| 3/27/03 4:25 PM | Lana Wong | TIP-CM-51-0-4 | 1 | 1 | Mettler AT200/1114463500 | NWA 178 | 19.8390 |
| 3/27/03 4:26 PM | Lana Wong | TIP-CM-51-0-4 | 1 | 1 | Mettler AT200/1114463500 | NWA 179 | 19.6179 |
| 3/27/03 4:26 PM | Lana Wong | TIP-CM-51-0-4 | 1 | 1 | Mettler AT200/1114463500 | NWA 180 | 19.5681 |
| 3/27/03 4:27 PM | Lana Wong | TIP-CM-51-0-4 | 1 | 1 | Mettler AT200/1114463500 | NWE 178 | 19.7121 |
| 3/27/03 4:27 PM | Lana Wong | TIP-CM-51-0-4 | 1 | 1 | Mettler AT200/1114463500 | NCA 136 | 41.6426 |
| 3/27/03 4:28 PM | Lana Wong | TIP-CM-51-0-4 | 1 | 1 | Mettler AT200/1114463500 | NCA 137 | 41.6735 |
| 3/27/03 4:29 PM | Lana Wong | TIP-CM-51-0-4 | 1 | 1 | Mettler AT200/1114463500 | NWE 179 | 20.0503 |
| 3/27/03 4:29 PM | Lana Wong | TIP-CM-51-0-4 | 1 | 1 | Mettler AT200/1114463500 | NWE 180 | 19.9878 |

| Date | Person Taking Measurements | Post-Test Cleaning Method | Cleaning # | Weighing # | Balance Used (Model/SN) | Sample Identification | Weight (g) |
|---|---|---|---|---|---|---|---|
| 3/27/03 4:30 PM | Lana Wong | TIP-CM-51-0-4 | 1 | 1 | Mettler AT200/1114463500 | NCA 138 | 41.8477 |
| 3/27/03 4:30 PM | Lana Wong | TIP-CM-51-0-4 | 1 | 1 | Mettler AT200/1114463500 | NCE 136 | 37.3729 |
| 3/27/03 4:31 PM | Lana Wong | TIP-CM-51-0-4 | 1 | 1 | Mettler AT200/1114463500 | NCE 137 | 37.4672 |
| 3/27/03 5:01 PM | Lana Wong | TIP-CM-51-0-4 | 1 | 2 | Mettler AT200/1114463500 | NWA 148 | 19.3825 |
| 3/27/03 5:02 PM | Lana Wong | TIP-CM-51-0-4 | 1 | 2 | Mettler AT200/1114463500 | NWA 150 | 19.4891 |
| 3/27/03 5:02 PM | Lana Wong | TIP-CM-51-0-4 | 1 | 2 | Mettler AT200/1114463500 | NWA 149 | 19.3500 |
| 3/27/03 5:03 PM | Lana Wong | TIP-CM-51-0-4 | 1 | 2 | Mettler AT200/1114463500 | NWE 148 | 19.9835 |
| 3/27/03 5:03 PM | Lana Wong | TIP-CM-51-0-4 | 1 | 2 | Mettler AT200/1114463500 | NCA 106 | 41.8201 |
| 3/27/03 5:04 PM | Lana Wong | TIP-CM-51-0-4 | 1 | 2 | Mettler AT200/1114463500 | NCA 107 | 41.6440 |
| 3/27/03 5:05 PM | Lana Wong | TIP-CM-51-0-4 | 1 | 2 | Mettler AT200/1114463500 | NWE 150 | 20.0448 |
| 3/27/03 5:05 PM | Lana Wong | TIP-CM-51-0-4 | 1 | 2 | Mettler AT200/1114463500 | NWE 149 | 20.2061 |
| 3/27/03 5:06 PM | Lana Wong | TIP-CM-51-0-4 | 1 | 2 | Mettler AT200/1114463500 | NCA 108 | 41.7156 |
| 3/27/03 5:06 PM | Lana Wong | TIP-CM-51-0-4 | 1 | 2 | Mettler AT200/1114463500 | NCE 106 | 37.7386 |
| 3/27/03 5:07 PM | Lana Wong | TIP-CM-51-0-4 | 1 | 2 | Mettler AT200/1114463500 | NCE 107 | 37.4352 |
| 3/28/03 8:00 AM | Lana Wong | TIP-CM-51-0-4 | 1 | 2 | Mettler AT200/1114463500 | NWE 151 | 20.0856 |
| 3/28/03 8:00 AM | Lana Wong | TIP-CM-51-0-4 | 1 | 2 | Mettler AT200/1114463500 | NWA 152 | 19.6335 |
| 3/28/03 8:00 AM | Lana Wong | TIP-CM-51-0-4 | 1 | 2 | Mettler AT200/1114463500 | NWA 151 | 19.7081 |
| 3/28/03 8:00 AM | Lana Wong | TIP-CM-51-0-4 | 1 | 2 | Mettler AT200/1114463500 | NWA 153 | 19.6778 |
| 3/28/03 8:00 AM | Lana Wong | TIP-CM-51-0-4 | 1 | 2 | Mettler AT200/1114463500 | NCA 133 | 41.7364 |
| 3/28/03 8:01 AM | Lana Wong | TIP-CM-51-0-4 | 1 | 2 | Mettler AT200/1114463500 | NWE 152 | 20.0983 |
| 3/28/03 8:01 AM | Lana Wong | TIP-CM-51-0-4 | 1 | 2 | Mettler AT200/1114463500 | NCA 135 | 41.6881 |
| 3/28/03 8:01 AM | Lana Wong | TIP-CM-51-0-4 | 1 | 2 | Mettler AT200/1114463500 | NWE 153 | 19.7808 |
| 3/28/03 8:01 AM | Lana Wong | TIP-CM-51-0-4 | 1 | 2 | Mettler AT200/1114463500 | NCE 133 | 37.3924 |
| 3/28/03 8:01 AM | Lana Wong | TIP-CM-51-0-4 | 1 | 2 | Mettler AT200/1114463500 | NCA 134 | 41.0325 |
| 3/28/03 8:02 AM | Lana Wong | TIP-CM-51-0-4 | 1 | 2 | Mettler AT200/1114463500 | NCE 134 | 37.4032 |
| 3/28/03 8:02 AM | Lana Wong | TIP-CM-51-0-4 | 1 | 2 | Mettler AT200/1114463500 | NWA 178 | 19.8391 |
| 3/28/03 8:02 AM | Lana Wong | TIP-CM-51-0-4 | 1 | 2 | Mettler AT200/1114463500 | NWA 179 | 19.6179 |
| 3/28/03 8:02 AM | Lana Wong | TIP-CM-51-0-4 | 1 | 2 | Mettler AT200/1114463500 | NWA 180 | 19.5682 |
| 3/28/03 8:02 AM | Lana Wong | TIP-CM-51-0-4 | 1 | 2 | Mettler AT200/1114463500 | NWE 178 | 19.7121 |
| 3/28/03 8:03 AM | Lana Wong | TIP-CM-51-0-4 | 1 | 2 | Mettler AT200/1114463500 | NWE 180 | 19.9878 |
| 3/28/03 8:03 AM | Lana Wong | TIP-CM-51-0-4 | 1 | 2 | Mettler AT200/1114463500 | NWE 179 | 20.0503 |
| 3/28/03 8:03 AM | Lana Wong | TIP-CM-51-0-4 | 1 | 2 | Mettler AT200/1114463500 | NCA 136 | 41.6426 |
| 3/28/03 8:03 AM | Lana Wong | TIP-CM-51-0-4 | 1 | 2 | Mettler AT200/1114463500 | NCA 138 | 41.8476 |
| 3/28/03 8:03 AM | Lana Wong | TIP-CM-51-0-4 | 1 | 2 | Mettler AT200/1114463500 | NCA 137 | 41.6736 |
| 3/28/03 8:04 AM | Lana Wong | TIP-CM-51-0-4 | 1 | 2 | Mettler AT200/1114463500 | NCE 137 | 37.4672 |
| 3/28/03 8:04 AM | Lana Wong | TIP-CM-51-0-4 | 1 | 3 | Mettler AT200/1114463500 | NWA 148 | 19.3825 |
| 3/28/03 8:04 AM | Lana Wong | TIP-CM-51-0-4 | 1 | 3 | Mettler AT200/1114463500 | NWA 150 | 19.4892 |
| 3/28/03 8:04 AM | Lana Wong | TIP-CM-51-0-4 | 1 | 2 | Mettler AT200/1114463500 | NCE 136 | 37.3729 |
| 3/28/03 8:04 AM | Lana Wong | TIP-CM-51-0-4 | 1 | 3 | Mettler AT200/1114463500 | NWA 149 | 19.3501 |
| 3/28/03 8:05 AM | Lana Wong | TIP-CM-51-0-4 | 1 | 3 | Mettler AT200/1114463500 | NWE 150 | 20.0448 |
| 3/28/03 8:05 AM | Lana Wong | TIP-CM-51-0-4 | 1 | 3 | Mettler AT200/1114463500 | NWE 149 | 20.2062 |
| 3/28/03 8:05 AM | Lana Wong | TIP-CM-51-0-4 | 1 | 3 | Mettler AT200/1114463500 | NWE 148 | 19.9836 |
| 3/28/03 8:05 AM | Lana Wong | TIP-CM-51-0-4 | 1 | 3 | Mettler AT200/1114463500 | NCA 106 | 41.8202 |

| Date | Person Taking Measurements | Post-Test Cleaning Method | Cleaning # | Weighing # | Balance Used (Model/SN) | Sample Identification | Weight (g) |
|---|---|---|---|---|---|---|---|
| 3/28/03 8:05 AM | Lana Wong | TIP-CM-51-0-4 | 1 | 3 | Mettler AT200/1114463500 | NCA 107 | 41.6440 |
| 3/28/03 8:06 AM | Lana Wong | TIP-CM-51-0-4 | 1 | 3 | Mettler AT200/1114463500 | NCE 107 | 37.4352 |
| 3/28/03 8:06 AM | Lana Wong | TIP-CM-51-0-4 | 1 | 3 | Mettler AT200/1114463500 | NCE 106 | 37.7386 |
| 3/28/03 8:06 AM | Lana Wong | TIP-CM-51-0-4 | 1 | 3 | Mettler AT200/1114463500 | NCA 108 | 41.7157 |
| 3/28/03 11:01 AM | Lana Wong | TIP-CM-51-0-4 | 1 | 1 | Mettler AT200/1114463500 | NWA 181 | 19.7096 |
| 3/28/03 11:01 AM | Lana Wong | TIP-CM-51-0-4 | 1 | 1 | Mettler AT200/1114463500 | NWA 182 | 19.8119 |
| 3/28/03 11:01 AM | Lana Wong | TIP-CM-51-0-4 | 1 | 1 | Mettler AT200/1114463500 | NWA 183 | 19.7967 |
| 3/28/03 11:02 AM | Lana Wong | TIP-CM-51-0-4 | 1 | 1 | Mettler AT200/1114463500 | NWE 181 | 20.2158 |
| 3/28/03 11:02 AM | Lana Wong | TIP-CM-51-0-4 | 1 | 1 | Mettler AT200/1114463500 | NWE 183 | 19.6846 |
| 3/28/03 11:02 AM | Lana Wong | TIP-CM-51-0-4 | 1 | 1 | Mettler AT200/1114463500 | NWE 182 | 20.1320 |
| 3/28/03 11:02 AM | Lana Wong | TIP-CM-51-0-4 | 1 | 1 | Mettler AT200/1114463500 | NCA 164 | 41.7220 |
| 3/28/03 11:02 AM | Lana Wong | TIP-CM-51-0-4 | 1 | 1 | Mettler AT200/1114463500 | NCA 163 | 41.8417 |
| 3/28/03 11:03 AM | Lana Wong | TIP-CM-51-0-4 | 1 | 1 | Mettler AT200/1114463500 | NCE 163 | 37.3848 |
| 3/28/03 11:03 AM | Lana Wong | TIP-CM-51-0-4 | 1 | 1 | Mettler AT200/1114463500 | NCA 165 | 41.8119 |
| 3/28/03 11:03 AM | Lana Wong | TIP-CM-51-0-4 | 1 | 1 | Mettler AT200/1114463500 | NCE 164 | 37.3311 |
| 3/28/03 11:43 AM | Lana Wong | TIP-CM-51-0-4 | 1 | 1 | Mettler AT200/1114463500 | NWA 208 | 19.7749 |
| 3/28/03 11:43 AM | Lana Wong | TIP-CM-51-0-4 | 1 | 1 | Mettler AT200/1114463500 | NWA 209 | 19.5930 |
| 3/28/03 11:44 AM | Lana Wong | TIP-CM-51-0-4 | 1 | 1 | Mettler AT200/1114463500 | NCA 166 | 41.8814 |
| 3/28/03 11:44 AM | Lana Wong | TIP-CM-51-0-4 | 1 | 1 | Mettler AT200/1114463500 | NWE 208 | 19.2504 |
| 3/28/03 11:44 AM | Lana Wong | TIP-CM-51-0-4 | 1 | 1 | Mettler AT200/1114463500 | NWE 209 | 19.4925 |
| 3/28/03 11:44 AM | Lana Wong | TIP-CM-51-0-4 | 1 | 1 | Mettler AT200/1114463500 | NCA 167 | 41.9899 |
| 3/28/03 11:44 AM | Lana Wong | TIP-CM-51-0-4 | 1 | 1 | Mettler AT200/1114463500 | NWA 210 | 19.8404 |
| 3/28/03 11:45 AM | Lana Wong | TIP-CM-51-0-4 | 1 | 1 | Mettler AT200/1114463500 | NCE 166 | 37.6438 |
| 3/28/03 11:45 AM | Lana Wong | TIP-CM-51-0-4 | 1 | 1 | Mettler AT200/1114463500 | NCA 168 | 41.9173 |
| 3/28/03 11:45 AM | Lana Wong | TIP-CM-51-0-4 | 1 | 1 | Mettler AT200/1114463500 | NCE 167 | 37.3771 |
| 3/28/03 11:45 AM | Lana Wong | TIP-CM-51-0-4 | 1 | 1 | Mettler AT200/1114463500 | NWE 210 | 19.3797 |
| 3/28/03 12:05 PM | Lana Wong | TIP-CM-51-0-4 | 1 | 1 | Mettler AT200/1114463500 | NWA 041 | 20.0241 |
| 3/28/03 12:06 PM | Lana Wong | TIP-CM-51-0-4 | 1 | 1 | Mettler AT200/1114463500 | NWA 046 | 19.8186 |
| 3/28/03 12:22 PM | Lana Wong | TIP-CM-51-0-4 | 1 | 1 | Mettler AT200/1114463500 | NWA 051 | 19.9753 |
| 3/28/03 12:23 PM | Lana Wong | TIP-CM-51-0-4 | 1 | 1 | Mettler AT200/1114463500 | NWA 056 | 19.9738 |
| 3/28/03 2:03 PM | Lana Wong | TIP-CM-51-0-4 | 1 | 3 | Mettler AT200/1114463500 | NWA 151 | 19.7082 |
| 3/28/03 2:03 PM | Lana Wong | TIP-CM-51-0-4 | 1 | 3 | Mettler AT200/1114463500 | NWA 152 | 19.6334 |
| 3/28/03 2:04 PM | Lana Wong | TIP-CM-51-0-4 | 1 | 3 | Mettler AT200/1114463500 | NWA 153 | 19.6778 |
| 3/28/03 2:04 PM | Lana Wong | TIP-CM-51-0-4 | 1 | 3 | Mettler AT200/1114463500 | NWE 151 | 20.0857 |
| 3/28/03 2:04 PM | Lana Wong | TIP-CM-51-0-4 | 1 | 3 | Mettler AT200/1114463500 | NCA 133 | 41.7364 |
| 3/28/03 2:04 PM | Lana Wong | TIP-CM-51-0-4 | 1 | 3 | Mettler AT200/1114463500 | NWE 152 | 20.0984 |
| 3/28/03 2:04 PM | Lana Wong | TIP-CM-51-0-4 | 1 | 3 | Mettler AT200/1114463500 | NCA 134 | 41.0326 |
| 3/28/03 2:05 PM | Lana Wong | TIP-CM-51-0-4 | 1 | 3 | Mettler AT200/1114463500 | NWA 178 | 19.8391 |
| 3/28/03 2:05 PM | Lana Wong | TIP-CM-51-0-4 | 1 | 3 | Mettler AT200/1114463500 | NCE 133 | 37.3924 |
| 3/28/03 2:05 PM | Lana Wong | TIP-CM-51-0-4 | 1 | 3 | Mettler AT200/1114463500 | NCA 135 | 41.6882 |
| 3/28/03 2:05 PM | Lana Wong | TIP-CM-51-0-4 | 1 | 3 | Mettler AT200/1114463500 | NCE 134 | 37.4032 |
| 3/28/03 2:05 PM | Lana Wong | TIP-CM-51-0-4 | 1 | 3 | Mettler AT200/1114463500 | NWE 153 | 19.7809 |
| 3/28/03 2:06 PM | Lana Wong | TIP-CM-51-0-4 | 1 | 3 | Mettler AT200/1114463500 | NWA 179 | 19.6179 |

| Date | Person Taking Measurements | Post-Test Cleaning Method | Cleaning # | Weighing # | Balance Used (Model/SN) | Sample Identification | Weight (g) |
|---|---|---|---|---|---|---|---|
| 3/28/03 2:06 PM | Lana Wong | TIP-CM-51-0-4 | 1 | 3 | Mettler AT200/1114463500 | NCA 136 | 41.6427 |
| 3/28/03 2:06 PM | Lana Wong | TIP-CM-51-0-4 | 1 | 3 | Mettler AT200/1114463500 | NCA 137 | 41.6736 |
| 3/28/03 2:06 PM | Lana Wong | TIP-CM-51-0-4 | 1 | 3 | Mettler AT200/1114463500 | NWE 178 | 19.7122 |
| 3/28/03 2:06 PM | Lana Wong | TIP-CM-51-0-4 | 1 | 3 | Mettler AT200/1114463500 | NWA 180 | 19.5682 |
| 3/28/03 2:07 PM | Lana Wong | TIP-CM-51-0-4 | 1 | 3 | Mettler AT200/1114463500 | NCE 136 | 37.3730 |
| 3/28/03 2:07 PM | Lana Wong | TIP-CM-51-0-4 | 1 | 3 | Mettler AT200/1114463500 | NWE 179 | 20.0503 |
| 3/28/03 2:07 PM | Lana Wong | TIP-CM-51-0-4 | 1 | 3 | Mettler AT200/1114463500 | NCA 138 | 41.8476 |
| 3/28/03 2:07 PM | Lana Wong | TIP-CM-51-0-4 | 1 | 3 | Mettler AT200/1114463500 | NWE 180 | 19.9879 |
| 3/28/03 2:07 PM | Lana Wong | TIP-CM-51-0-4 | 1 | 3 | Mettler AT200/1114463500 | NCE 137 | 37.4673 |
| 3/28/03 5:02 PM | Lana Wong | TIP-CM-51-0-4 | 1 | 2 | Mettler AT200/1114463500 | NWA 181 | 19.7096 |
| 3/28/03 5:03 PM | Lana Wong | TIP-CM-51-0-4 | 1 | 2 | Mettler AT200/1114463500 | NCA 163 | 41.8417 |
| 3/28/03 5:03 PM | Lana Wong | TIP-CM-51-0-4 | 1 | 2 | Mettler AT200/1114463500 | NWA 182 | 19.8119 |
| 3/28/03 5:03 PM | Lana Wong | TIP-CM-51-0-4 | 1 | 2 | Mettler AT200/1114463500 | NWE 181 | 20.2158 |
| 3/28/03 5:03 PM | Lana Wong | TIP-CM-51-0-4 | 1 | 2 | Mettler AT200/1114463500 | NCA 164 | 41.7220 |
| 3/28/03 5:03 PM | Lana Wong | TIP-CM-51-0-4 | 1 | 2 | Mettler AT200/1114463500 | NWA 183 | 19.7968 |
| 3/28/03 5:04 PM | Lana Wong | TIP-CM-51-0-4 | 1 | 2 | Mettler AT200/1114463500 | NCA 165 | 41.8119 |
| 3/28/03 5:04 PM | Lana Wong | TIP-CM-51-0-4 | 1 | 2 | Mettler AT200/1114463500 | NCE 164 | 37.3311 |
| 3/28/03 5:04 PM | Lana Wong | TIP-CM-51-0-4 | 1 | 2 | Mettler AT200/1114463500 | NWE 183 | 19.6846 |
| 3/28/03 5:04 PM | Lana Wong | TIP-CM-51-0-4 | 1 | 2 | Mettler AT200/1114463500 | NCE 163 | 37.3848 |
| 3/28/03 5:04 PM | Lana Wong | TIP-CM-51-0-4 | 1 | 2 | Mettler AT200/1114463500 | NWE 182 | 20.1322 |
| 3/28/03 5:05 PM | Lana Wong | TIP-CM-51-0-4 | 1 | 2 | Mettler AT200/1114463500 | NCA 166 | 41.8816 |
| 3/28/03 5:05 PM | Lana Wong | TIP-CM-51-0-4 | 1 | 2 | Mettler AT200/1114463500 | NWA 210 | 19.8404 |
| 3/28/03 5:05 PM | Lana Wong | TIP-CM-51-0-4 | 1 | 2 | Mettler AT200/1114463500 | NWA 208 | 19.7749 |
| 3/28/03 5:05 PM | Lana Wong | TIP-CM-51-0-4 | 1 | 2 | Mettler AT200/1114463500 | NWE 208 | 19.2505 |
| 3/28/03 5:05 PM | Lana Wong | TIP-CM-51-0-4 | 1 | 2 | Mettler AT200/1114463500 | NCA 167 | 41.9899 |
| 3/28/03 5:05 PM | Lana Wong | TIP-CM-51-0-4 | 1 | 2 | Mettler AT200/1114463500 | NWA 209 | 19.5930 |
| 3/28/03 5:06 PM | Lana Wong | TIP-CM-51-0-4 | 1 | 2 | Mettler AT200/1114463500 | NWE 209 | 19.4925 |
| 3/28/03 5:06 PM | Lana Wong | TIP-CM-51-0-4 | 1 | 2 | Mettler AT200/1114463500 | NCE 167 | 37.3771 |
| 3/28/03 5:06 PM | Lana Wong | TIP-CM-51-0-4 | 1 | 2 | Mettler AT200/1114463500 | NCA 168 | 41.9172 |
| 3/28/03 5:06 PM | Lana Wong | TIP-CM-51-0-4 | 1 | 2 | Mettler AT200/1114463500 | NCE 166 | 37.6437 |
| 3/28/03 5:06 PM | Lana Wong | TIP-CM-51-0-4 | 1 | 2 | Mettler AT200/1114463500 | NWE 210 | 19.3797 |
| 3/28/03 5:07 PM | Lana Wong | TIP-CM-51-0-4 | 1 | 2 | Mettler AT200/1114463500 | NWA 051 | 19.9754 |
| 3/28/03 5:07 PM | Lana Wong | TIP-CM-51-0-4 | 1 | 2 | Mettler AT200/1114463500 | NWA 041 | 20.0240 |
| 3/28/03 5:07 PM | Lana Wong | TIP-CM-51-0-4 | 1 | 2 | Mettler AT200/1114463500 | NWA 056 | 19.9738 |
| 3/28/03 5:07 PM | Lana Wong | TIP-CM-51-0-4 | 1 | 2 | Mettler AT200/1114463500 | NWA 046 | 19.8186 |
| 3/31/03 8:01 AM | Lana Wong | TIP-CM-51-0-4 | 1 | 3 | Mettler AT200/1114463500 | NCA 164 | 41.7220 |
| 3/31/03 8:01 AM | Lana Wong | TIP-CM-51-0-4 | 1 | 3 | Mettler AT200/1114463500 | NWA 182 | 19.8119 |
| 3/31/03 8:01 AM | Lana Wong | TIP-CM-51-0-4 | 1 | 3 | Mettler AT200/1114463500 | NWA 181 | 19.7097 |
| 3/31/03 8:01 AM | Lana Wong | TIP-CM-51-0-4 | 1 | 3 | Mettler AT200/1114463500 | NWE 181 | 20.2158 |
| 3/31/03 8:01 AM | Lana Wong | TIP-CM-51-0-4 | 1 | 3 | Mettler AT200/1114463500 | NCA 163 | 41.8418 |
| 3/31/03 8:01 AM | Lana Wong | TIP-CM-51-0-4 | 1 | 3 | Mettler AT200/1114463500 | NWA 183 | 19.7969 |
| 3/31/03 8:02 AM | Lana Wong | TIP-CM-51-0-4 | 1 | 3 | Mettler AT200/1114463500 | NWE 182 | 20.1323 |
| 3/31/03 8:02 AM | Lana Wong | TIP-CM-51-0-4 | 1 | 3 | Mettler AT200/1114463500 | NCE 163 | 37.3850 |

| Date | Person Taking Measurements | Post-Test Cleaning Method | Cleaning # | Weighing # | Balance Used (Model/SN) | Sample Identification | Weight (g) |
|---|---|---|---|---|---|---|---|
| 3/31/03 8:02 AM | Lana Wong | TIP-CM-51-0-4 | 1 | 3 | Mettler AT200/1114463500 | NCA 165 | 41.8121 |
| 3/31/03 8:02 AM | Lana Wong | TIP-CM-51-0-4 | 1 | 3 | Mettler AT200/1114463500 | NCE 164 | 37.3313 |
| 3/31/03 8:02 AM | Lana Wong | TIP-CM-51-0-4 | 1 | 3 | Mettler AT200/1114463500 | NWE 183 | 19.6847 |
| 3/31/03 8:03 AM | Lana Wong | TIP-CM-51-0-4 | 1 | 3 | Mettler AT200/1114463500 | NWA 210 | 19.8405 |
| 3/31/03 8:03 AM | Lana Wong | TIP-CM-51-0-4 | 1 | 3 | Mettler AT200/1114463500 | NWA 208 | 19.7750 |
| 3/31/03 8:03 AM | Lana Wong | TIP-CM-51-0-4 | 1 | 3 | Mettler AT200/1114463500 | NWE 208 | 19.2505 |
| 3/31/03 8:03 AM | Lana Wong | TIP-CM-51-0-4 | 1 | 3 | Mettler AT200/1114463500 | NWA 209 | 19.5931 |
| 3/31/03 8:03 AM | Lana Wong | TIP-CM-51-0-4 | 1 | 3 | Mettler AT200/1114463500 | NCA 166 | 41.8816 |
| 3/31/03 8:04 AM | Lana Wong | TIP-CM-51-0-4 | 1 | 3 | Mettler AT200/1114463500 | NWE 209 | 19.4926 |
| 3/31/03 8:04 AM | Lana Wong | TIP-CM-51-0-4 | 1 | 3 | Mettler AT200/1114463500 | NWE 210 | 19.3797 |
| 3/31/03 8:04 AM | Lana Wong | TIP-CM-51-0-4 | 1 | 3 | Mettler AT200/1114463500 | NCA 168 | 41.9174 |
| 3/31/03 8:04 AM | Lana Wong | TIP-CM-51-0-4 | 1 | 3 | Mettler AT200/1114463500 | NCA 167 | 41.9901 |
| 3/31/03 8:04 AM | Lana Wong | TIP-CM-51-0-4 | 1 | 3 | Mettler AT200/1114463500 | NCE 166 | 37.6439 |
| 3/31/03 8:05 AM | Lana Wong | TIP-CM-51-0-4 | 1 | 3 | Mettler AT200/1114463500 | NWA 051 | 19.9755 |
| 3/31/03 8:05 AM | Lana Wong | TIP-CM-51-0-4 | 1 | 3 | Mettler AT200/1114463500 | NWA 041 | 20.0241 |
| 3/31/03 8:05 AM | Lana Wong | TIP-CM-51-0-4 | 1 | 3 | Mettler AT200/1114463500 | NCE 167 | 37.3772 |
| 3/31/03 8:05 AM | Lana Wong | TIP-CM-51-0-4 | 1 | 3 | Mettler AT200/1114463500 | NWA 046 | 19.8186 |
| 3/31/03 8:05 AM | Lana Wong | TIP-CM-51-0-4 | 1 | 3 | Mettler AT200/1114463500 | NWA 056 | 19.9739 |
| 3/31/03 1:05 PM | Lana Wong | TIP-CM-51-0-4 | 2 | 1 | Mettler AT200/1114463500 | NWA 001 | 19.7035 |
| 3/31/03 1:06 PM | Lana Wong | TIP-CM-51-0-4 | 2 | 1 | Mettler AT200/1114463500 | NCA 014 | 41.4458 |
| 3/31/03 1:06 PM | Lana Wong | TIP-CM-51-0-4 | 2 | 1 | Mettler AT200/1114463500 | NCA 015 | 41.4053 |
| 3/31/03 1:06 PM | Lana Wong | TIP-CM-51-0-4 | 2 | 1 | Mettler AT200/1114463500 | NCA 013 | 41.4257 |
| 3/31/03 1:06 PM | Lana Wong | TIP-CM-51-0-4 | 2 | 1 | Mettler AT200/1114463500 | NWA 002 | 19.7235 |
| 3/31/03 2:36 PM | Lana Wong | TIP-CM-51-0-4 | 2 | 1 | Mettler AT200/1114463500 | NWE 001 | 19.0812 |
| 3/31/03 2:36 PM | Lana Wong | TIP-CM-51-0-4 | 2 | 1 | Mettler AT200/1114463500 | NWA 003 | 19.7209 |
| 3/31/03 2:37 PM | Lana Wong | TIP-CM-51-0-4 | 2 | 1 | Mettler AT200/1114463500 | NCE 014 | 37.5743 |
| 3/31/03 2:37 PM | Lana Wong | TIP-CM-51-0-4 | 2 | 1 | Mettler AT200/1114463500 | NCE 013 | 37.0428 |
| 3/31/03 2:37 PM | Lana Wong | TIP-CM-51-0-4 | 2 | 1 | Mettler AT200/1114463500 | NWE 002 | 19.3581 |
| 3/31/03 2:37 PM | Lana Wong | TIP-CM-51-0-4 | 2 | 1 | Mettler AT200/1114463500 | NWE 003 | 19.2194 |
| 3/31/03 4:15 PM | Lana Wong | TIP-CM-51-0-4 | 2 | 1 | Mettler AT200/1114463500 | NWA 031 | 19.7654 |
| 3/31/03 5:05 PM | Lana Wong | TIP-CM-51-0-4 | 2 | 1 | Mettler AT200/1114463500 | NWA 036 | 19.8289 |
| 4/1/03 8:12 AM | Lana Wong | TIP-CM-51-0-4 | 2 | 2 | Mettler AT200/1114463500 | NCA 013 | 41.4257 |
| 4/1/03 8:12 AM | Lana Wong | TIP-CM-51-0-4 | 2 | 2 | Mettler AT200/1114463500 | NCA 015 | 41.4054 |
| 4/1/03 8:12 AM | Lana Wong | TIP-CM-51-0-4 | 2 | 2 | Mettler AT200/1114463500 | NCA 014 | 41.4460 |
| 4/1/03 8:12 AM | Lana Wong | TIP-CM-51-0-4 | 2 | 2 | Mettler AT200/1114463500 | NWA 002 | 19.7235 |
| 4/1/03 8:12 AM | Lana Wong | TIP-CM-51-0-4 | 2 | 2 | Mettler AT200/1114463500 | NWA 001 | 19.7037 |
| 4/1/03 8:13 AM | Lana Wong | TIP-CM-51-0-4 | 2 | 2 | Mettler AT200/1114463500 | NWE 002 | 19.3581 |
| 4/1/03 8:13 AM | Lana Wong | TIP-CM-51-0-4 | 2 | 2 | Mettler AT200/1114463500 | NWE 003 | 19.2195 |
| 4/1/03 8:13 AM | Lana Wong | TIP-CM-51-0-4 | 2 | 2 | Mettler AT200/1114463500 | NWA 003 | 19.7209 |
| 4/1/03 8:13 AM | Lana Wong | TIP-CM-51-0-4 | 2 | 2 | Mettler AT200/1114463500 | NCE 013 | 37.0428 |
| 4/1/03 8:13 AM | Lana Wong | TIP-CM-51-0-4 | 2 | 2 | Mettler AT200/1114463500 | NWE 001 | 19.0813 |
| 4/1/03 8:14 AM | Lana Wong | TIP-CM-51-0-4 | 2 | 2 | Mettler AT200/1114463500 | NCE 014 | 37.5744 |
| 4/1/03 8:14 AM | Lana Wong | TIP-CM-51-0-4 | 2 | 2 | Mettler AT200/1114463500 | NWA 036 | 19.8289 |

| Date | Person Taking Measurements | Post-Test Cleaning Method | Cleaning # | Weighing # | Balance Used (Model/SN) | Sample Identification | Weight (g) |
|---|---|---|---|---|---|---|---|
| 4/1/03 8:14 AM | Lana Wong | TIP-CM-51-0-4 | 2 | 2 | Mettler AT200/1114463500 | NWA 031 | 19.7655 |
| 4/1/03 1:41 PM | Lana Wong | TIP-CM-51-0-4 | 2 | 1 | Mettler AT200/1114463500 | NCA 016 | 41.2670 |
| 4/1/03 1:41 PM | Lana Wong | TIP-CM-51-0-4 | 2 | 1 | Mettler AT200/1114463500 | NWA 028 | 19.5092 |
| 4/1/03 1:41 PM | Lana Wong | TIP-CM-51-0-4 | 2 | 1 | Mettler AT200/1114463500 | NWA 029 | 19.8280 |
| 4/1/03 1:42 PM | Lana Wong | TIP-CM-51-0-4 | 2 | 1 | Mettler AT200/1114463500 | NCA 017 | 41.3504 |
| 4/1/03 1:42 PM | Lana Wong | TIP-CM-51-0-4 | 2 | 1 | Mettler AT200/1114463500 | NCA 018 | 41.4079 |
| 4/1/03 3:02 PM | Lana Wong | TIP-CM-51-0-4 | 2 | 1 | Mettler AT200/1114463500 | NWA 030 | 19.6379 |
| 4/1/03 3:02 PM | Lana Wong | TIP-CM-51-0-4 | 2 | 1 | Mettler AT200/1114463500 | NWE 029 | 19.5519 |
| 4/1/03 3:02 PM | Lana Wong | TIP-CM-51-0-4 | 2 | 1 | Mettler AT200/1114463500 | NWE 030 | 19.4060 |
| 4/1/03 3:02 PM | Lana Wong | TIP-CM-51-0-4 | 2 | 1 | Mettler AT200/1114463500 | NWE 028 | 19.2116 |
| 4/1/03 3:03 PM | Lana Wong | TIP-CM-51-0-4 | 2 | 1 | Mettler AT200/1114463500 | NCE 016 | 37.7793 |
| 4/1/03 3:03 PM | Lana Wong | TIP-CM-51-0-4 | 2 | 1 | Mettler AT200/1114463500 | NCE 017 | 37.5493 |
| 4/1/03 3:33 PM | Lana Wong | TIP-CM-51-0-4 | 2 | 3 | Mettler AT200/1114463500 | NCA 014 | 41.4459 |
| 4/1/03 3:33 PM | Lana Wong | TIP-CM-51-0-4 | 2 | 3 | Mettler AT200/1114463500 | NWA 002 | 19.7236 |
| 4/1/03 3:33 PM | Lana Wong | TIP-CM-51-0-4 | 2 | 3 | Mettler AT200/1114463500 | NWA 001 | 19.7036 |
| 4/1/03 3:33 PM | Lana Wong | TIP-CM-51-0-4 | 2 | 3 | Mettler AT200/1114463500 | NCA 013 | 41.4258 |
| 4/1/03 3:34 PM | Lana Wong | TIP-CM-51-0-4 | 2 | 3 | Mettler AT200/1114463500 | NWA 003 | 19.7210 |
| 4/1/03 3:34 PM | Lana Wong | TIP-CM-51-0-4 | 2 | 3 | Mettler AT200/1114463500 | NWE 002 | 19.3581 |
| 4/1/03 3:34 PM | Lana Wong | TIP-CM-51-0-4 | 2 | 3 | Mettler AT200/1114463500 | NWE 001 | 19.0813 |
| 4/1/03 3:34 PM | Lana Wong | TIP-CM-51-0-4 | 2 | 3 | Mettler AT200/1114463500 | NWE 003 | 19.2195 |
| 4/1/03 3:34 PM | Lana Wong | TIP-CM-51-0-4 | 2 | 3 | Mettler AT200/1114463500 | NCA 015 | 41.4054 |
| 4/1/03 3:35 PM | Lana Wong | TIP-CM-51-0-4 | 2 | 3 | Mettler AT200/1114463500 | NCE 014 | 37.5743 |
| 4/1/03 3:35 PM | Lana Wong | TIP-CM-51-0-4 | 2 | 3 | Mettler AT200/1114463500 | NCE 013 | 37.0428 |
| 4/1/03 3:35 PM | Lana Wong | TIP-CM-51-0-4 | 2 | 3 | Mettler AT200/1114463500 | NWA 031 | 19.7655 |
| 4/1/03 3:35 PM | Lana Wong | TIP-CM-51-0-4 | 2 | 3 | Mettler AT200/1114463500 | NWA 036 | 19.8289 |
| 4/2/03 2:34 AM | Lana Wong | TIP-CM-51-0-4 | 2 | 1 | Mettler AT200/1114463500 | NWA 062 | 19.9366 |
| 4/2/03 2:34 AM | Lana Wong | TIP-CM-51-0-4 | 2 | 1 | Mettler AT200/1114463500 | NWA 061 | 20.0404 |
| 4/2/03 2:35 AM | Lana Wong | TIP-CM-51-0-4 | 2 | 1 | Mettler AT200/1114463500 | NCA 045 | 41.1398 |
| 4/2/03 2:35 AM | Lana Wong | TIP-CM-51-0-4 | 2 | 1 | Mettler AT200/1114463500 | NCA 043 | 41.2660 |
| 4/2/03 2:35 AM | Lana Wong | TIP-CM-51-0-4 | 2 | 1 | Mettler AT200/1114463500 | NCA 044 | 41.4238 |
| 4/2/03 4:01 AM | Lana Wong | TIP-CM-51-0-4 | 2 | 1 | Mettler AT200/1114463500 | NWE 062 | 19.5417 |
| 4/2/03 4:01 AM | Lana Wong | TIP-CM-51-0-4 | 2 | 1 | Mettler AT200/1114463500 | NWA 063 | 20.0348 |
| 4/2/03 4:01 AM | Lana Wong | TIP-CM-51-0-4 | 2 | 1 | Mettler AT200/1114463500 | NWE 061 | 19.2796 |
| 4/2/03 4:02 AM | Lana Wong | TIP-CM-51-0-4 | 2 | 1 | Mettler AT200/1114463500 | NCE 043 | 37.5394 |
| 4/2/03 4:02 AM | Lana Wong | TIP-CM-51-0-4 | 2 | 1 | Mettler AT200/1114463500 | NWE 063 | 19.5141 |
| 4/2/03 4:02 AM | Lana Wong | TIP-CM-51-0-4 | 2 | 1 | Mettler AT200/1114463500 | NCE 044 | 37.3826 |
| 4/2/03 4:16 AM | Lana Wong | TIP-CM-51-0-4 | 2 | 3 | Mettler AT200/1114463500 | NCA 016 | 41.2670 |
| 4/2/03 4:16 AM | Lana Wong | TIP-CM-51-0-4 | 2 | 3 | Mettler AT200/1114463500 | NWA 029 | 19.8280 |
| 4/2/03 4:16 AM | Lana Wong | TIP-CM-51-0-4 | 2 | 3 | Mettler AT200/1114463500 | NWA 028 | 19.5092 |
| 4/2/03 4:17 AM | Lana Wong | TIP-CM-51-0-4 | 2 | 3 | Mettler AT200/1114463500 | NCA 017 | 41.3504 |
| 4/2/03 4:17 AM | Lana Wong | TIP-CM-51-0-4 | 2 | 3 | Mettler AT200/1114463500 | NWE 028 | 19.2116 |
| 4/2/03 4:17 AM | Lana Wong | TIP-CM-51-0-4 | 2 | 3 | Mettler AT200/1114463500 | NCA 018 | 41.4078 |
| 4/2/03 4:17 AM | Lana Wong | TIP-CM-51-0-4 | 2 | 3 | Mettler AT200/1114463500 | NWE 029 | 19.5520 |

| Date | Person Taking Measurements | Post-Test Cleaning Method | Cleaning # | Weighing # | Balance Used (Model/SN) | Sample Identification | Weight (g) |
|---|---|---|---|---|---|---|---|
| 4/2/03 4:17 AM | Lana Wong | TIP-CM-51-0-4 | 2 | 3 | Mettler AT200/1114463500 | NWA 030 | 19.6380 |
| 4/2/03 4:18 AM | Lana Wong | TIP-CM-51-0-4 | 2 | 3 | Mettler AT200/1114463500 | NCE 016 | 37.7793 |
| 4/2/03 4:18 AM | Lana Wong | TIP-CM-51-0-4 | 2 | 3 | Mettler AT200/1114463500 | NWE 030 | 19.4061 |
| 4/2/03 4:18 AM | Lana Wong | TIP-CM-51-0-4 | 2 | 3 | Mettler AT200/1114463500 | NCE 017 | 37.5493 |
| 4/2/03 8:02 AM | Lana Wong | TIP-CM-51-0-4 | 2 | 2 | Mettler AT200/1114463500 | NWA 028 | 19.5092 |
| 4/2/03 8:03 AM | Lana Wong | TIP-CM-51-0-4 | 2 | 2 | Mettler AT200/1114463500 | NWA 030 | 19.6379 |
| 4/2/03 8:03 AM | Lana Wong | TIP-CM-51-0-4 | 2 | 2 | Mettler AT200/1114463500 | NCA 017 | 41.3504 |
| 4/2/03 8:03 AM | Lana Wong | TIP-CM-51-0-4 | 2 | 2 | Mettler AT200/1114463500 | NCA 016 | 41.2670 |
| 4/2/03 8:03 AM | Lana Wong | TIP-CM-51-0-4 | 2 | 2 | Mettler AT200/1114463500 | NCA 018 | 41.4079 |
| 4/2/03 8:03 AM | Lana Wong | TIP-CM-51-0-4 | 2 | 2 | Mettler AT200/1114463500 | NWA 029 | 19.8280 |
| 4/2/03 8:04 AM | Lana Wong | TIP-CM-51-0-4 | 2 | 2 | Mettler AT200/1114463500 | NCE 017 | 37.5494 |
| 4/2/03 8:04 AM | Lana Wong | TIP-CM-51-0-4 | 2 | 2 | Mettler AT200/1114463500 | NWE 030 | 19.4060 |
| 4/2/03 8:04 AM | Lana Wong | TIP-CM-51-0-4 | 2 | 2 | Mettler AT200/1114463500 | NCE 016 | 37.7794 |
| 4/2/03 8:04 AM | Lana Wong | TIP-CM-51-0-4 | 2 | 2 | Mettler AT200/1114463500 | NWE 028 | 19.2116 |
| 4/2/03 8:04 AM | Lana Wong | TIP-CM-51-0-4 | 2 | 2 | Mettler AT200/1114463500 | NWE 029 | 19.5519 |
| 4/3/03 8:12 AM | Lana Wong | TIP-CM-51-0-4 | 2 | 2 | Mettler AT200/1114463500 | NWA 062 | 19.9366 |
| 4/3/03 8:12 AM | Lana Wong | TIP-CM-51-0-4 | 2 | 2 | Mettler AT200/1114463500 | NWA 061 | 20.0404 |
| 4/3/03 8:13 AM | Lana Wong | TIP-CM-51-0-4 | 2 | 2 | Mettler AT200/1114463500 | NCA 044 | 41.4238 |
| 4/3/03 8:13 AM | Lana Wong | TIP-CM-51-0-4 | 2 | 2 | Mettler AT200/1114463500 | NCA 045 | 41.1399 |
| 4/3/03 8:13 AM | Lana Wong | TIP-CM-51-0-4 | 2 | 2 | Mettler AT200/1114463500 | NCA 043 | 41.2660 |
| 4/3/03 8:13 AM | Lana Wong | TIP-CM-51-0-4 | 2 | 2 | Mettler AT200/1114463500 | NWA 063 | 20.0348 |
| 4/3/03 8:13 AM | Lana Wong | TIP-CM-51-0-4 | 2 | 2 | Mettler AT200/1114463500 | NWE 061 | 19.2796 |
| 4/3/03 8:14 AM | Lana Wong | TIP-CM-51-0-4 | 2 | 2 | Mettler AT200/1114463500 | NCE 044 | 37.3825 |
| 4/3/03 8:14 AM | Lana Wong | TIP-CM-51-0-4 | 2 | 2 | Mettler AT200/1114463500 | NWE 063 | 19.5140 |
| 4/3/03 8:14 AM | Lana Wong | TIP-CM-51-0-4 | 2 | 2 | Mettler AT200/1114463500 | NWE 062 | 19.5417 |
| 4/3/03 8:14 AM | Lana Wong | TIP-CM-51-0-4 | 2 | 2 | Mettler AT200/1114463500 | NCE 043 | 37.5394 |
| 4/3/03 4:38 PM | Lana Wong | TIP-CM-51-0-4 | 2 | 3 | Mettler AT200/1114463500 | NCA 043 | 41.2660 |
| 4/3/03 4:38 PM | Lana Wong | TIP-CM-51-0-4 | 2 | 3 | Mettler AT200/1114463500 | NWA 061 | 20.0405 |
| 4/3/03 4:38 PM | Lana Wong | TIP-CM-51-0-4 | 2 | 3 | Mettler AT200/1114463500 | NCA 044 | 41.4239 |
| 4/3/03 4:38 PM | Lana Wong | TIP-CM-51-0-4 | 2 | 3 | Mettler AT200/1114463500 | NWA 062 | 19.9366 |
| 4/3/03 4:39 PM | Lana Wong | TIP-CM-51-0-4 | 2 | 3 | Mettler AT200/1114463500 | NWE 062 | 19.5418 |
| 4/3/03 4:39 PM | Lana Wong | TIP-CM-51-0-4 | 2 | 3 | Mettler AT200/1114463500 | NWE 061 | 19.2796 |
| 4/3/03 4:39 PM | Lana Wong | TIP-CM-51-0-4 | 2 | 3 | Mettler AT200/1114463500 | NCA 045 | 41.1398 |
| 4/3/03 4:39 PM | Lana Wong | TIP-CM-51-0-4 | 2 | 3 | Mettler AT200/1114463500 | NWA 063 | 20.0348 |
| 4/3/03 4:39 PM | Lana Wong | TIP-CM-51-0-4 | 2 | 3 | Mettler AT200/1114463500 | NWE 063 | 19.5140 |
| 4/3/03 4:40 PM | Lana Wong | TIP-CM-51-0-4 | 2 | 3 | Mettler AT200/1114463500 | NCE 043 | 37.5394 |
| 4/3/03 4:40 PM | Lana Wong | TIP-CM-51-0-4 | 2 | 3 | Mettler AT200/1114463500 | NCE 044 | 37.3825 |
| 4/4/03 12:30 PM | Lana Wong | TIP-CM-51-0-4 | 2 | 1 | Mettler AT200/1114463500 | NCA 047 | 41.3062 |
| 4/4/03 12:30 PM | Lana Wong | TIP-CM-51-0-4 | 2 | 1 | Mettler AT200/1114463500 | NCA 046 | 41.4884 |
| 4/4/03 12:30 PM | Lana Wong | TIP-CM-51-0-4 | 2 | 1 | Mettler AT200/1114463500 | NCA 048 | 41.2975 |
| 4/4/03 12:30 PM | Lana Wong | TIP-CM-51-0-4 | 2 | 1 | Mettler AT200/1114463500 | NWA 088 | 19.6836 |
| 4/4/03 12:30 PM | Lana Wong | TIP-CM-51-0-4 | 2 | 1 | Mettler AT200/1114463500 | NWA 089 | 19.7787 |
| 4/4/03 1:50 PM | Lana Wong | TIP-CM-51-0-4 | 2 | 1 | Mettler AT200/1114463500 | NWA 090 | 19.4977 |

| Date | Person Taking Measurements | Post-Test Cleaning Method | Cleaning # | Weighing # | Balance Used (Model/SN) | Sample Identification | Weight (g) |
|---|---|---|---|---|---|---|---|
| 4/4/03 1:51 PM | Lana Wong | TIP-CM-51-0-4 | 2 | 1 | Mettler AT200/1114463500 | NWE 089 | 19.5750 |
| 4/4/03 1:51 PM | Lana Wong | TIP-CM-51-0-4 | 2 | 1 | Mettler AT200/1114463500 | NCE 046 | 37.3953 |
| 4/4/03 1:51 PM | Lana Wong | TIP-CM-51-0-4 | 2 | 1 | Mettler AT200/1114463500 | NCE 047 | 37.4628 |
| 4/4/03 1:51 PM | Lana Wong | TIP-CM-51-0-4 | 2 | 1 | Mettler AT200/1114463500 | NWE 088 | 19.4826 |
| 4/4/03 1:51 PM | Lana Wong | TIP-CM-51-0-4 | 2 | 1 | Mettler AT200/1114463500 | NWE 090 | 19.4702 |
| 4/4/03 6:46 PM | Lana Wong | TIP-CM-51-0-4 | 2 | 2 | Mettler AT200/1114463500 | NWA 088 | 19.6836 |
| 4/4/03 6:47 PM | Lana Wong | TIP-CM-51-0-4 | 2 | 2 | Mettler AT200/1114463500 | NWA 089 | 19.7787 |
| 4/4/03 6:47 PM | Lana Wong | TIP-CM-51-0-4 | 2 | 2 | Mettler AT200/1114463500 | NCA 046 | 41.4884 |
| 4/4/03 6:47 PM | Lana Wong | TIP-CM-51-0-4 | 2 | 2 | Mettler AT200/1114463500 | NCA 047 | 41.3062 |
| 4/4/03 6:47 PM | Lana Wong | TIP-CM-51-0-4 | 2 | 2 | Mettler AT200/1114463500 | NWA 090 | 19.4977 |
| 4/4/03 6:47 PM | Lana Wong | TIP-CM-51-0-4 | 2 | 2 | Mettler AT200/1114463500 | NCA 048 | 41.2975 |
| 4/4/03 6:48 PM | Lana Wong | TIP-CM-51-0-4 | 2 | 2 | Mettler AT200/1114463500 | NWE 089 | 19.5751 |
| 4/4/03 6:48 PM | Lana Wong | TIP-CM-51-0-4 | 2 | 2 | Mettler AT200/1114463500 | NWE 090 | 19.4702 |
| 4/4/03 6:48 PM | Lana Wong | TIP-CM-51-0-4 | 2 | 2 | Mettler AT200/1114463500 | NCE 046 | 37.3953 |
| 4/4/03 6:48 PM | Lana Wong | TIP-CM-51-0-4 | 2 | 2 | Mettler AT200/1114463500 | NCE 047 | 37.4629 |
| 4/4/03 6:48 PM | Lana Wong | TIP-CM-51-0-4 | 2 | 2 | Mettler AT200/1114463500 | NWE 088 | 19.4826 |
| 4/7/03 8:07 AM | Lana Wong | TIP-CM-51-0-4 | 2 | 3 | Mettler AT200/1114463500 | NCA 047 | 41.3062 |
| 4/7/03 8:07 AM | Lana Wong | TIP-CM-51-0-4 | 2 | 3 | Mettler AT200/1114463500 | NWA 088 | 19.6835 |
| 4/7/03 8:07 AM | Lana Wong | TIP-CM-51-0-4 | 2 | 3 | Mettler AT200/1114463500 | NCA 046 | 41.4883 |
| 4/7/03 8:07 AM | Lana Wong | TIP-CM-51-0-4 | 2 | 3 | Mettler AT200/1114463500 | NCA 048 | 41.2974 |
| 4/7/03 8:07 AM | Lana Wong | TIP-CM-51-0-4 | 2 | 3 | Mettler AT200/1114463500 | NWA 089 | 19.7787 |
| 4/7/03 8:08 AM | Lana Wong | TIP-CM-51-0-4 | 2 | 3 | Mettler AT200/1114463500 | NWE 090 | 19.4702 |
| 4/7/03 8:08 AM | Lana Wong | TIP-CM-51-0-4 | 2 | 3 | Mettler AT200/1114463500 | NWA 090 | 19.4977 |
| 4/7/03 8:08 AM | Lana Wong | TIP-CM-51-0-4 | 2 | 3 | Mettler AT200/1114463500 | NCE 046 | 37.3953 |
| 4/7/03 8:08 AM | Lana Wong | TIP-CM-51-0-4 | 2 | 3 | Mettler AT200/1114463500 | NCE 047 | 37.4628 |
| 4/7/03 8:08 AM | Lana Wong | TIP-CM-51-0-4 | 2 | 3 | Mettler AT200/1114463500 | NWE 088 | 19.4825 |
| 4/7/03 8:08 AM | Lana Wong | TIP-CM-51-0-4 | 2 | 3 | Mettler AT200/1114463500 | NWE 089 | 19.5751 |
| 4/7/03 12:04 PM | Lana Wong | TIP-CM-51-0-4 | 2 | 1 | Mettler AT200/1114463500 | NCA 104 | 41.6675 |
| 4/7/03 12:04 PM | Lana Wong | TIP-CM-51-0-4 | 2 | 1 | Mettler AT200/1114463500 | NCA 075 | 41.8128 |
| 4/7/03 12:04 PM | Lana Wong | TIP-CM-51-0-4 | 2 | 1 | Mettler AT200/1114463500 | NCA 103 | 41.6232 |
| 4/7/03 12:04 PM | Lana Wong | TIP-CM-51-0-4 | 2 | 1 | Mettler AT200/1114463500 | NWA 123 | 19.7225 |
| 4/7/03 1:06 PM | Lana Wong | TIP-CM-51-0-4 | 2 | 1 | Mettler AT200/1114463500 | NWE 182 | 20.1322 |
| 4/7/03 1:06 PM | Lana Wong | TIP-CM-51-0-4 | 2 | 1 | Mettler AT200/1114463500 | NCA 133 | 41.7364 |
| 4/7/03 1:06 PM | Lana Wong | TIP-CM-51-0-4 | 2 | 1 | Mettler AT200/1114463500 | NCE 164 | 37.3312 |
| 4/7/03 1:06 PM | Lana Wong | TIP-CM-51-0-4 | 2 | 1 | Mettler AT200/1114463500 | NCE 163 | 37.3849 |
| 4/7/03 1:06 PM | Lana Wong | TIP-CM-51-0-4 | 2 | 1 | Mettler AT200/1114463500 | NWA 051 | 19.9754 |
| 4/7/03 1:32 PM | Lana Wong | TIP-CM-51-0-4 | 2 | 1 | Mettler AT200/1114463500 | NCA 166 | 41.8816 |
| 4/7/03 1:32 PM | Lana Wong | TIP-CM-51-0-4 | 2 | 1 | Mettler AT200/1114463500 | NCA 164 | 41.7216 |
| 4/7/03 1:32 PM | Lana Wong | TIP-CM-51-0-4 | 2 | 1 | Mettler AT200/1114463500 | NCA 138 | 41.8476 |
| 4/7/03 1:32 PM | Lana Wong | TIP-CM-51-0-4 | 2 | 1 | Mettler AT200/1114463500 | NCA 165 | 41.8118 |
| 4/7/03 1:33 PM | Lana Wong | TIP-CM-51-0-4 | 2 | 1 | Mettler AT200/1114463500 | NCE 166 | 37.6439 |
| 4/7/03 1:33 PM | Lana Wong | TIP-CM-51-0-4 | 2 | 1 | Mettler AT200/1114463500 | NCA 168 | 41.9170 |
| 4/7/03 1:33 PM | Lana Wong | TIP-CM-51-0-4 | 2 | 1 | Mettler AT200/1114463500 | NCA 167 | 41.9899 |

| Date | Person Taking Measurements | Post-Test Cleaning Method | Cleaning # | Weighing # | Balance Used (Model/SN) | Sample Identification | Weight (g) |
|---|---|---|---|---|---|---|---|
| 4/8/03 7:53 AM | Lana Wong | TIP-CM-51-0-4 | 2 | 2 | Mettler AT200/1114463500 | NCA 104 | 41.6676 |
| 4/8/03 7:53 AM | Lana Wong | TIP-CM-51-0-4 | 2 | 2 | Mettler AT200/1114463500 | NWA 123 | 19.7225 |
| 4/8/03 7:53 AM | Lana Wong | TIP-CM-51-0-4 | 2 | 2 | Mettler AT200/1114463500 | NCA 103 | 41.6232 |
| 4/8/03 7:53 AM | Lana Wong | TIP-CM-51-0-4 | 2 | 2 | Mettler AT200/1114463500 | NCA 075 | 41.8129 |
| 4/8/03 7:55 AM | Lana Wong | TIP-CM-51-0-4 | 2 | 2 | Mettler AT200/1114463500 | NWA 051 | 19.9754 |
| 4/8/03 7:55 AM | Lana Wong | TIP-CM-51-0-4 | 2 | 2 | Mettler AT200/1114463500 | NCA 133 | 41.7366 |
| 4/8/03 7:55 AM | Lana Wong | TIP-CM-51-0-4 | 2 | 2 | Mettler AT200/1114463500 | NWE 182 | 20.1322 |
| 4/8/03 7:55 AM | Lana Wong | TIP-CM-51-0-4 | 2 | 2 | Mettler AT200/1114463500 | NCE 163 | 37.3850 |
| 4/8/03 7:56 AM | Lana Wong | TIP-CM-51-0-4 | 2 | 2 | Mettler AT200/1114463500 | NCA 165 | 41.8119 |
| 4/8/03 7:56 AM | Lana Wong | TIP-CM-51-0-4 | 2 | 2 | Mettler AT200/1114463500 | NCE 164 | 37.3313 |
| 4/8/03 7:56 AM | Lana Wong | TIP-CM-51-0-4 | 2 | 2 | Mettler AT200/1114463500 | NCA 164 | 41.7220 |
| 4/8/03 7:56 AM | Lana Wong | TIP-CM-51-0-4 | 2 | 2 | Mettler AT200/1114463500 | NCA 138 | 41.8478 |
| 4/8/03 7:57 AM | Lana Wong | TIP-CM-51-0-4 | 2 | 2 | Mettler AT200/1114463500 | NCA 166 | 41.8816 |
| 4/8/03 7:57 AM | Lana Wong | TIP-CM-51-0-4 | 2 | 2 | Mettler AT200/1114463500 | NCA 167 | 41.9898 |
| 4/8/03 7:57 AM | Lana Wong | TIP-CM-51-0-4 | 2 | 2 | Mettler AT200/1114463500 | NCE 166 | 37.6439 |
| 4/8/03 7:57 AM | Lana Wong | TIP-CM-51-0-4 | 2 | 2 | Mettler AT200/1114463500 | NCA 168 | 41.9170 |
| 4/8/03 12:03 PM | Lana Wong | TIP-CM-51-0-4 | 3 | 1 | Mettler AT200/1114463500 | NWA 001 | 19.7036 |
| 4/8/03 12:03 PM | Lana Wong | TIP-CM-51-0-4 | 3 | 1 | Mettler AT200/1114463500 | NWA 062 | 19.9366 |
| 4/8/03 12:03 PM | Lana Wong | TIP-CM-51-0-4 | 3 | 1 | Mettler AT200/1114463500 | NCA 045 | 41.1396 |
| 4/8/03 7:26 PM | Lana Wong | TIP-CM-51-0-4 | 2 | 3 | Mettler AT200/1114463500 | NCA 075 | 41.8128 |
| 4/8/03 7:27 PM | Lana Wong | TIP-CM-51-0-4 | 2 | 3 | Mettler AT200/1114463500 | NCA 103 | 41.6232 |
| 4/8/03 7:27 PM | Lana Wong | TIP-CM-51-0-4 | 2 | 3 | Mettler AT200/1114463500 | NWA 123 | 19.7224 |
| 4/8/03 7:27 PM | Lana Wong | TIP-CM-51-0-4 | 2 | 3 | Mettler AT200/1114463500 | NCA 104 | 41.6675 |
| 4/8/03 7:28 PM | Lana Wong | TIP-CM-51-0-4 | 2 | 3 | Mettler AT200/1114463500 | NWA 051 | 19.9756 |
| 4/8/03 7:29 PM | Lana Wong | TIP-CM-51-0-4 | 2 | 3 | Mettler AT200/1114463500 | NWE 182 | 20.1322 |
| 4/8/03 7:29 PM | Lana Wong | TIP-CM-51-0-4 | 2 | 3 | Mettler AT200/1114463500 | NCA 133 | 41.7365 |
| 4/8/03 7:29 PM | Lana Wong | TIP-CM-51-0-4 | 2 | 3 | Mettler AT200/1114463500 | NCE 163 | 37.3849 |
| 4/8/03 7:29 PM | Lana Wong | TIP-CM-51-0-4 | 2 | 3 | Mettler AT200/1114463500 | NCE 164 | 37.3313 |
| 4/8/03 7:30 PM | Lana Wong | TIP-CM-51-0-4 | 2 | 3 | Mettler AT200/1114463500 | NCA 164 | 41.7218 |
| 4/8/03 7:30 PM | Lana Wong | TIP-CM-51-0-4 | 2 | 3 | Mettler AT200/1114463500 | NCA 166 | 41.8817 |
| 4/8/03 7:30 PM | Lana Wong | TIP-CM-51-0-4 | 2 | 3 | Mettler AT200/1114463500 | NCA 138 | 41.8476 |
| 4/8/03 7:30 PM | Lana Wong | TIP-CM-51-0-4 | 2 | 3 | Mettler AT200/1114463500 | NCA 165 | 41.8119 |
| 4/8/03 7:31 PM | Lana Wong | TIP-CM-51-0-4 | 2 | 3 | Mettler AT200/1114463500 | NCA 168 | 41.9173 |
| 4/8/03 7:31 PM | Lana Wong | TIP-CM-51-0-4 | 2 | 3 | Mettler AT200/1114463500 | NCA 167 | 41.9899 |
| 4/8/03 7:31 PM | Lana Wong | TIP-CM-51-0-4 | 3 | 2 | Mettler AT200/1114463500 | NWA 001 | 19.7034 |
| 4/8/03 7:31 PM | Lana Wong | TIP-CM-51-0-4 | 2 | 3 | Mettler AT200/1114463500 | NCE 166 | 37.6436 |
| 4/8/03 7:32 PM | Lana Wong | TIP-CM-51-0-4 | 3 | 2 | Mettler AT200/1114463500 | NCA 045 | 41.1396 |
| 4/8/03 7:32 PM | Lana Wong | TIP-CM-51-0-4 | 3 | 2 | Mettler AT200/1114463500 | NWA 062 | 19.9366 |
| 4/9/03 7:55 AM | Lana Wong | TIP-CM-51-0-4 | 3 | 3 | Mettler AT200/1114463500 | NWA 001 | 19.7035 |
| 4/9/03 7:55 AM | Lana Wong | TIP-CM-51-0-4 | 3 | 3 | Mettler AT200/1114463500 | NCA 045 | 41.1399 |
| 4/9/03 7:55 AM | Lana Wong | TIP-CM-51-0-4 | 3 | 3 | Mettler AT200/1114463500 | NWA 062 | 19.9366 |
| 4/9/03 7:55 AM | Lana Wong | TIP-CM-51-0-4 | 3 | 3 | Mettler AT200/1114463500 | NWA 001 | 19.7035 |
| 4/9/03 7:55 AM | Lana Wong | TIP-CM-51-0-4 | 3 | 3 | Mettler AT200/1114463500 | NCA 045 | 41.1399 |

| Date | Person Taking Measurements | Post-Test Cleaning Method | Cleaning # | Weighing # | Balance Used (Model/SN) | Sample Identification | Weight (g) |
|---|---|---|---|---|---|---|---|
| 4/9/03 7:55 AM | Lana Wong | TIP-CM-51-0-4 | 3 | 3 | Mettler AT200/1114463500 | NWA 062 | 19.9366 |