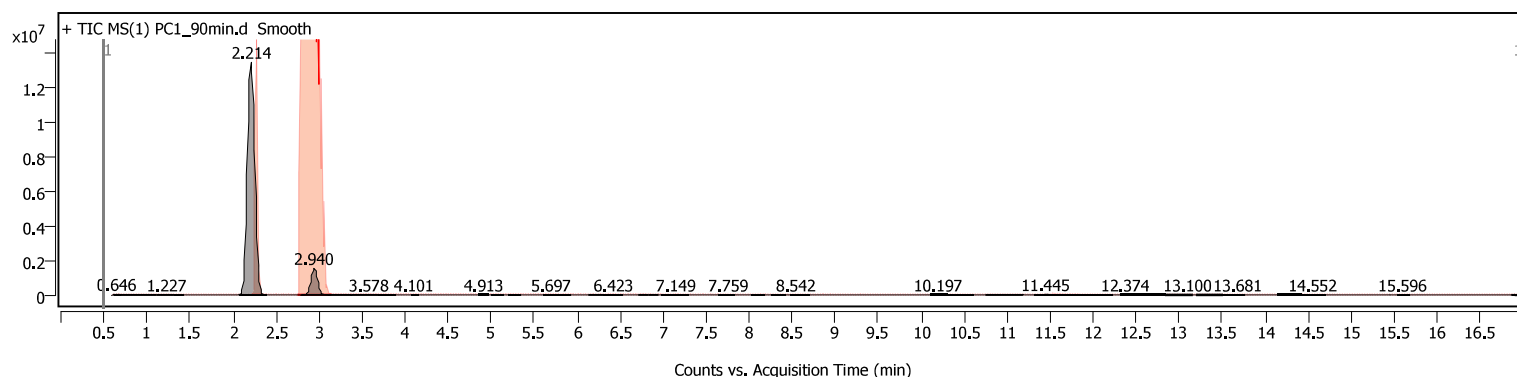
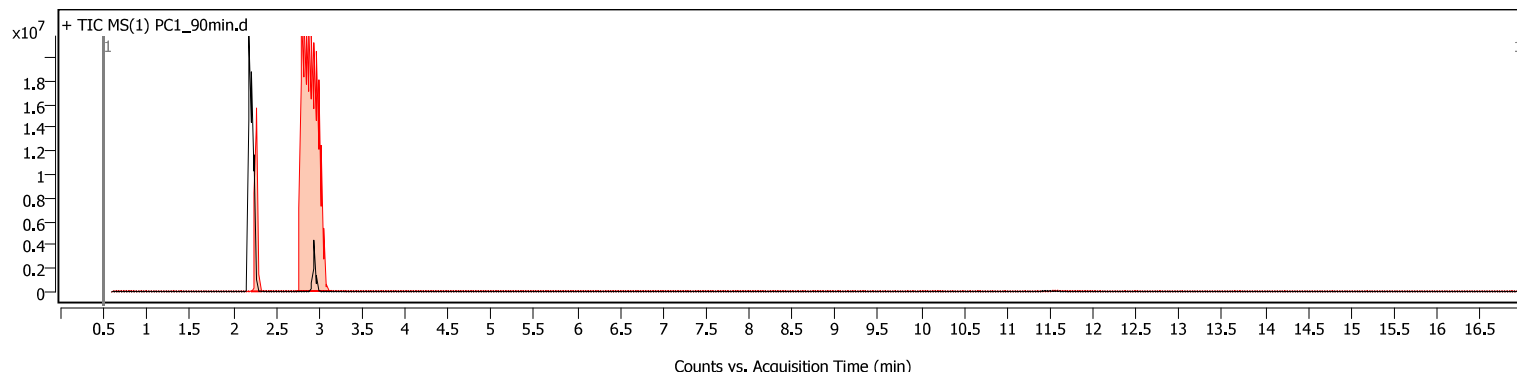


# Analysis Report

## Sample Information

|                       |           |                           |  |
|-----------------------|-----------|---------------------------|--|
| <b>Name</b>           | PC1_90min | <b>Data File Path</b>     | D:\MassHunter\GCMS\1\data\SNES - Chemistry\Joshua - Gases Analysis\Juky 2022\PC1_90min.D   |
| <b>Sample ID</b>      |           | <b>Acq. Time (Local)</b>  | 08-Jul-22 4:04:20 PM (UTC+01:00)   |
| <b>Instrument</b>     | 5977      | <b>Method Path (Acq)</b>  | D:\MassHunter\GCMS\1\methods\SAge Analytical\Gas Analysis 4 - Mac-SciTech.M\Gas Analysis_Joshua CO-CO2\Gas Analysis_Joshua CO-CO2 Analysis 3 (final).M |
| <b>MS Type</b>        | Q         | <b>Version (Acq SW)</b>   | MassHunter GC/MS Acquisition 10.0.368 14-Feb-2019 Copyright © 1989-2018 Agilent Technologies, Inc.   |
| <b>Inj. Vol. (ul)</b> | 1         | <b>IRM Status</b>         |  |
| <b>Position</b>       | 15        | <b>Method Path (DA)</b>   | D:\MassHunter\GCMS\1\data\SNES - Chemistry\Joshua - Gases Analysis\Juky 2022\PC1_90min.D\Results\Qual\Version4\default.m                               |
| <b>Plate Pos.</b>     |           | <b>Target Source Path</b> |  |
| <b>Operator</b>       | Karina    | <b>Result Summary</b>     |  |

## Sample Chromatograms



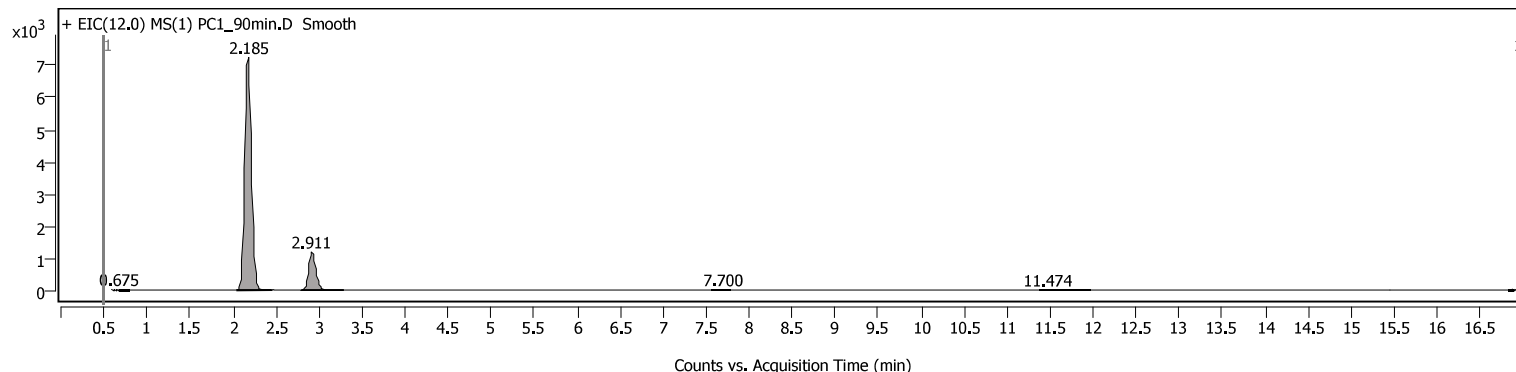
### Chromatogram Peaks

| Peak | Start  | RT     | End    | Height   | Area     | Area % | SNR |
|------|--------|--------|--------|----------|----------|--------|-----|
| 1    | 0.617  | 0.646  | 0.646  | 41632    | 5585     | 0.01   |     |
| 2    | 0.646  | 0.675  | 0.675  | 39890    | 4066     | 0.00   |     |
| 3    | 0.675  | 0.907  | 1.110  | 1943     | 3252     | 0.00   |     |
| 4    | 1.110  | 1.227  | 1.314  | 1188     | 9318     | 0.01   |     |
| 5    | 1.314  | 1.372  | 1.430  | 722      | 2946     | 0.00   |     |
| 6    | 2.068  | 2.214  | 2.384  | 13389872 | 81762577 | 100.00 |     |
| 7    | 2.794  | 2.940  | 3.113  | 1526892  | 8149257  | 9.97   |     |
| 8    | 3.113  | 3.172  | 3.375  | 1738     | 19962    | 0.02   |     |
| 9    | 3.375  | 3.578  | 3.694  | 2411     | 26416    | 0.03   |     |
| 10   | 3.694  | 3.752  | 3.897  | 1688     | 12566    | 0.02   |     |
| 11   | 4.071  | 4.101  | 4.159  | 678      | 2624     | 0.00   |     |
| 12   | 4.855  | 4.913  | 4.971  | 618      | 2514     | 0.00   |     |
| 13   | 5.000  | 5.088  | 5.144  | 674      | 3184     | 0.00   |     |
| 14   | 5.204  | 5.262  | 5.349  | 788      | 3807     | 0.00   |     |
| 15   | 5.610  | 5.697  | 5.930  | 1204     | 13853    | 0.02   |     |
| 16   | 6.133  | 6.220  | 6.307  | 620      | 4312     | 0.01   |     |
| 17   | 6.307  | 6.423  | 6.534  | 1095     | 8980     | 0.01   |     |
| 18   | 6.713  | 6.771  | 6.829  | 608      | 2588     | 0.00   |     |
| 19   | 6.829  | 6.887  | 6.946  | 1005     | 4294     | 0.01   |     |
| 20   | 6.974  | 7.149  | 7.294  | 1169     | 12098    | 0.01   |     |
| 21   | 7.642  | 7.759  | 7.840  | 824      | 4788     | 0.01   |     |
| 22   | 8.030  | 8.136  | 8.185  | 554      | 2674     | 0.00   |     |
| 23   | 8.252  | 8.339  | 8.424  | 590      | 4158     | 0.01   |     |
| 24   | 8.476  | 8.542  | 8.705  | 814      | 5246     | 0.01   |     |
| 25   | 10.110 | 10.197 | 10.313 | 1024     | 7346     | 0.01   |     |
| 26   | 10.313 | 10.516 | 10.612 | 792      | 8621     | 0.01   |     |
| 27   | 10.749 | 10.923 | 11.184 | 746      | 4402     | 0.01   |     |
| 28   | 11.319 | 11.445 | 12.229 | 30835    | 456763   | 0.56   |     |
| 29   | 12.316 | 12.374 | 12.577 | 1000     | 7715     | 0.01   |     |
| 30   | 12.577 | 12.694 | 12.839 | 917      | 9815     | 0.01   |     |
| 31   | 12.839 | 13.100 | 13.158 | 1272     | 11416    | 0.01   |     |
| 32   | 13.200 | 13.448 | 13.506 | 610      | 6243     | 0.01   |     |

# Analysis Report

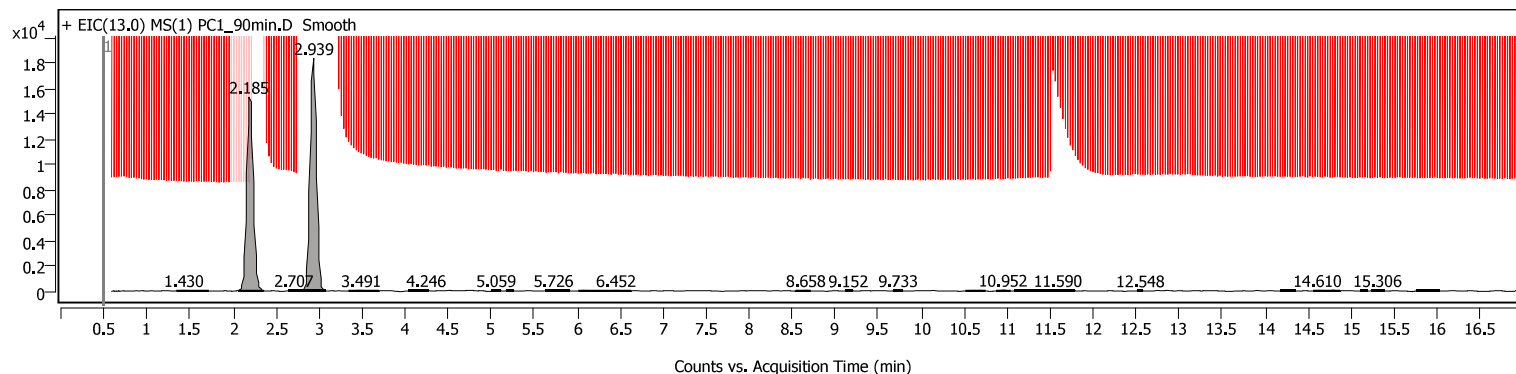
Chromatogram Peaks

| Peak | Start  | RT     | End    | Height | Area  | Area % | SNR |
|------|--------|--------|--------|--------|-------|--------|-----|
| 33   | 13.506 | 13.681 | 13.768 | 774    | 6377  | 0.01   |     |
| 34   | 14.145 | 14.261 | 14.422 | 615    | 6071  | 0.01   |     |
| 35   | 14.435 | 14.552 | 14.706 | 965    | 8876  | 0.01   |     |
| 36   | 15.538 | 15.596 | 15.681 | 811    | 4136  | 0.01   |     |
| 37   | 16.874 | 16.903 | 16.903 | 35098  | 1367  | 0.00   |     |
| 38   | 16.903 | 16.932 | 16.932 | 53855  | 37761 | 0.05   |     |



Chromatogram Peaks

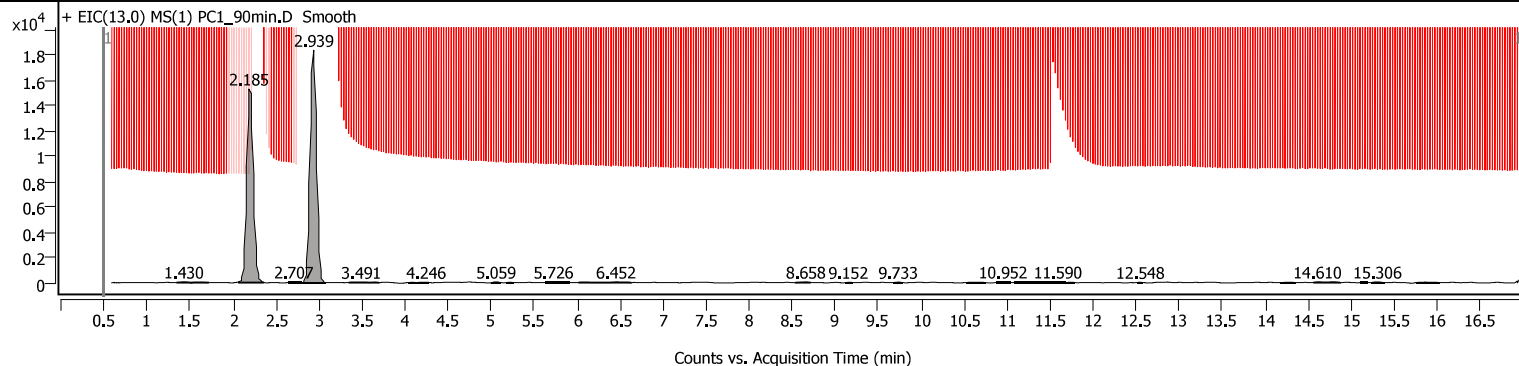
| Peak | Start  | RT     | End    | Height | Area  | Area % | SNR |
|------|--------|--------|--------|--------|-------|--------|-----|
| 1    | 0.675  | 0.675  | 0.791  | 26     | 25    | 0.06   |     |
| 2    | 2.040  | 2.185  | 2.446  | 7211   | 39593 | 100.00 |     |
| 3    | 2.794  | 2.911  | 3.288  | 1183   | 6779  | 17.12  |     |
| 4    | 7.555  | 7.700  | 7.788  | 17     | 78    | 0.20   |     |
| 5    | 11.374 | 11.474 | 11.968 | 2      | 26    | 0.07   |     |
| 6    | 16.826 | 16.874 | 16.888 | 27     | 0     | 0.00   |     |
| 7    | 16.961 | 16.961 | 16.990 | 27     | 47    | 0.12   |     |



Chromatogram Peaks

| Peak | Start  | RT     | End    | Height | Area  | Area % | SNR |
|------|--------|--------|--------|--------|-------|--------|-----|
| 1    | 1.343  | 1.430  | 1.517  | 42     | 241   | 0.25   |     |
| 2    | 1.517  | 1.633  | 1.718  | 31     | 183   | 0.19   |     |
| 3    | 2.068  | 2.185  | 2.359  | 15226  | 81318 | 85.16  |     |
| 4    | 2.639  | 2.707  | 2.794  | 51     | 323   | 0.34   |     |
| 5    | 2.794  | 2.939  | 3.082  | 18270  | 95488 | 100.00 |     |
| 6    | 3.344  | 3.491  | 3.694  | 35     | 397   | 0.42   |     |
| 7    | 4.039  | 4.246  | 4.284  | 33     | 242   | 0.25   |     |
| 8    | 5.005  | 5.059  | 5.117  | 48     | 172   | 0.18   |     |
| 9    | 5.175  | 5.204  | 5.262  | 22     | 65    | 0.07   |     |
| 10   | 5.631  | 5.726  | 5.918  | 52     | 508   | 0.53   |     |
| 11   | 6.015  | 6.452  | 6.626  | 43     | 563   | 0.59   |     |
| 12   | 8.542  | 8.658  | 8.716  | 41     | 204   | 0.21   |     |
| 13   | 9.123  | 9.152  | 9.213  | 28     | 98    | 0.10   |     |
| 14   | 9.674  | 9.733  | 9.790  | 36     | 152   | 0.16   |     |
| 15   | 10.516 | 10.690 | 10.749 | 32     | 310   | 0.32   |     |
| 16   | 10.872 | 10.952 | 11.039 | 61     | 311   | 0.33   |     |
| 17   | 11.081 | 11.155 | 11.242 | 37     | 198   | 0.21   |     |
| 18   | 11.242 | 11.590 | 11.678 | 55     | 781   | 0.82   |     |
| 19   | 11.678 | 11.736 | 11.794 | 35     | 120   | 0.13   |     |
| 20   | 12.513 | 12.548 | 12.577 | 20     | 47    | 0.05   |     |
| 21   | 14.174 | 14.290 | 14.348 | 31     | 190   | 0.20   |     |
| 22   | 14.557 | 14.610 | 14.871 | 50     | 542   | 0.57   |     |
| 23   | 15.105 | 15.161 | 15.190 | 26     | 69    | 0.07   |     |
| 24   | 15.238 | 15.306 | 15.391 | 49     | 264   | 0.28   |     |
| 25   | 15.759 | 15.858 | 16.032 | 37     | 328   | 0.34   |     |

# Analysis Report

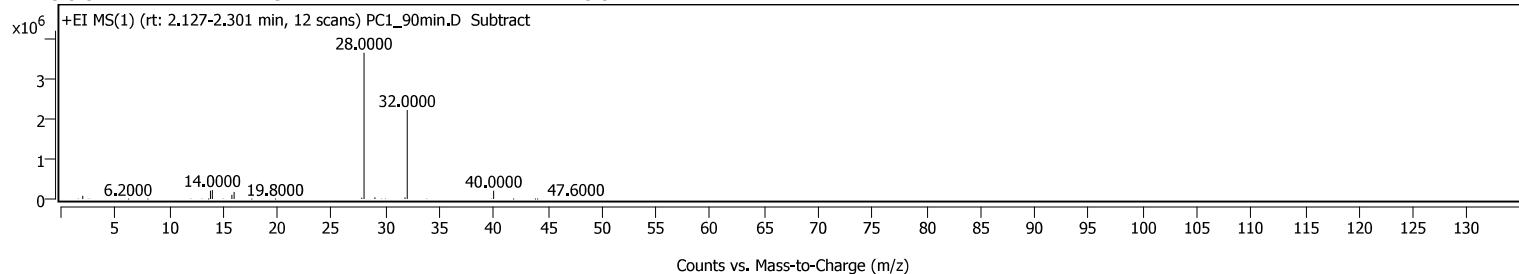


## Chromatogram Peaks

| Peak | Start  | RT     | End    | Height | Area  | Area % | SNR |
|------|--------|--------|--------|--------|-------|--------|-----|
| 1    | 1.343  | 1.430  | 1.517  | 42     | 241   | 0.25   |     |
| 2    | 1.517  | 1.633  | 1.718  | 31     | 183   | 0.19   |     |
| 3    | 2.068  | 2.185  | 2.359  | 15226  | 81318 | 85.16  |     |
| 4    | 2.639  | 2.707  | 2.794  | 51     | 323   | 0.34   |     |
| 5    | 2.794  | 2.939  | 3.082  | 18270  | 95488 | 100.00 |     |
| 6    | 3.344  | 3.491  | 3.694  | 35     | 397   | 0.42   |     |
| 7    | 4.039  | 4.246  | 4.284  | 33     | 242   | 0.25   |     |
| 8    | 5.005  | 5.059  | 5.117  | 48     | 172   | 0.18   |     |
| 9    | 5.175  | 5.204  | 5.262  | 22     | 65    | 0.07   |     |
| 10   | 5.631  | 5.726  | 5.918  | 52     | 508   | 0.53   |     |
| 11   | 6.015  | 6.452  | 6.626  | 43     | 563   | 0.59   |     |
| 12   | 8.542  | 8.658  | 8.716  | 41     | 204   | 0.21   |     |
| 13   | 9.123  | 9.152  | 9.213  | 28     | 98    | 0.10   |     |
| 14   | 9.674  | 9.733  | 9.790  | 36     | 152   | 0.16   |     |
| 15   | 10.516 | 10.690 | 10.749 | 32     | 310   | 0.32   |     |
| 16   | 10.872 | 10.952 | 11.039 | 61     | 311   | 0.33   |     |
| 17   | 11.081 | 11.155 | 11.242 | 37     | 198   | 0.21   |     |
| 18   | 11.242 | 11.590 | 11.678 | 55     | 781   | 0.82   |     |
| 19   | 11.678 | 11.736 | 11.794 | 35     | 120   | 0.13   |     |
| 20   | 12.513 | 12.548 | 12.577 | 20     | 47    | 0.05   |     |
| 21   | 14.174 | 14.290 | 14.348 | 31     | 190   | 0.20   |     |
| 22   | 14.557 | 14.610 | 14.871 | 50     | 542   | 0.57   |     |
| 23   | 15.105 | 15.161 | 15.190 | 26     | 69    | 0.07   |     |
| 24   | 15.238 | 15.306 | 15.391 | 49     | 264   | 0.28   |     |
| 25   | 15.759 | 15.858 | 16.032 | 37     | 328   | 0.34   |     |

## Sample Spectra

### + MS(1) (rt: 2.127-2.301 min) Sub Peak 6 from + TIC MS(1) Smo



# Analysis Report

## Spectrum Peaks

| m/z     | Z | Abund   | Abund % | m/z (Calc) | Diff (ppm) | Ion Species | Formula | Ion Type |
|---------|---|---------|---------|------------|------------|-------------|---------|----------|
| 1.6000  | 2 | 7731    | 0.21    |            |            |             |         |          |
| 2.0000  |   | 79206   | 2.15    |            |            |             |         |          |
| 2.6000  | 2 | 10695   | 0.29    |            |            |             |         |          |
| 6.2000  |   | 1036    | 0.03    |            |            |             |         |          |
| 8.0000  |   | 463     | 0.01    |            |            |             |         |          |
| 9.0000  |   | 212     | 0.01    |            |            |             |         |          |
| 12.0000 |   | 3780    | 0.10    |            |            |             |         |          |
| 13.0000 |   | 7729    | 0.21    |            |            |             |         |          |
| 13.6000 | 2 | 2897    | 0.08    |            |            |             |         |          |
| 13.8000 |   | 209024  | 5.67    |            |            |             |         |          |
| 14.0000 |   | 224166  | 6.09    |            |            |             |         |          |
| 15.0000 |   | 8151    | 0.22    |            |            |             |         |          |
| 15.4000 | 2 | 212     | 0.01    |            |            |             |         |          |
| 15.8000 |   | 104749  | 2.84    |            |            |             |         |          |
| 16.0000 |   | 180735  | 4.91    |            |            |             |         |          |
| 17.6000 | 2 | 351     | 0.01    |            |            |             |         |          |
| 17.8000 |   | 242     | 0.01    |            |            |             |         |          |
| 19.4000 | 2 | 156     | 0.00    |            |            |             |         |          |
| 19.6000 | 2 | 180     | 0.00    |            |            |             |         |          |
| 19.8000 |   | 1685    | 0.05    |            |            |             |         |          |
| 27.8000 |   | 32850   | 0.89    |            |            |             |         |          |
| 28.0000 | 1 | 3683290 | 100.00  |            |            |             |         |          |
| 29.0000 | 1 | 37397   | 1.02    |            |            |             |         |          |
| 29.6000 | 2 | 4304    | 0.12    |            |            |             |         |          |
| 30.0000 |   | 10995   | 0.30    |            |            |             |         |          |
| 31.8000 |   | 39469   | 1.07    |            |            |             |         |          |
| 32.0000 |   | 2235346 | 60.69   |            |            |             |         |          |
| 33.6000 | 2 | 195     | 0.01    |            |            |             |         |          |
| 33.8000 |   | 3812    | 0.10    |            |            |             |         |          |
| 35.8000 |   | 116     | 0.00    |            |            |             |         |          |
| 39.6000 | 2 | 262     | 0.01    |            |            |             |         |          |
| 39.8000 |   | 6410    | 0.17    |            |            |             |         |          |
| 40.0000 |   | 208352  | 5.66    |            |            |             |         |          |
| 41.8000 |   | 539     | 0.01    |            |            |             |         |          |
| 43.8000 |   | 1605    | 0.04    |            |            |             |         |          |
| 44.0000 | 1 | 3339    | 0.09    |            |            |             |         |          |
| 45.0000 | 1 | 104     | 0.00    |            |            |             |         |          |
| 47.6000 | 2 | 107     | 0.00    |            |            |             |         |          |

MassHunter Qual 10.0  
(End of Report)