

Method File: 7\_anion  
Operator: Dionex

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Printed: 23/11/2023 13:35:18

Title:  
Datasource: SCE-CHEM-C00759\_local Created: 30/07/2009 15:25:49 by admin  
Location: ICS1100\2\_Data\AK\_231123.SEQ (Modified, not saved)

**Blank Run Subtraction:** No Blank Run Subtraction

**Detection Table:**

| No. | Ret. Time<br>[min] | Param. Name         | Param. Value        | Channel      |
|-----|--------------------|---------------------|---------------------|--------------|
| 1   | 0.000              | Minimum Area        | 0.01 "[Signal]*min" | All Channels |
| 2   | 0.000              | Inhibit Integration | On                  | All Channels |
| 3   | 2.678              | Inhibit Integration | Off                 | All Channels |

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# Peak Table:

Use Recently Detected Retention Times: Off  
Peak Retention Time Determination: Absolute  
Dead time:  
Delay Time of 2'nd Detector: <None>  
Delay Time of 3'rd Detector: <None>

| No. | Peak Name       | Ret.Time         | Window          | Standard        | Int.Type    | Cal.Type    | Peak Type   | Group | Amount<br>Calibration 1 | Amount<br>Calibration 2 |
|-----|-----------------|------------------|-----------------|-----------------|-------------|-------------|-------------|-------|-------------------------|-------------------------|
| 1   | Fluoride        | 3.113 min        | 0.200 AG        | External        | Area        | LOff        | Auto        |       | 0.000000                | 0.200000                |
| 2   | <i>Chloride</i> | <i>3.670 min</i> | <i>0.218 AG</i> | <i>External</i> | <i>Area</i> | <i>LOff</i> | <i>Auto</i> |       | <i>0.000000</i>         | <i>1.000000</i>         |
| 3   | Nitrite         | 4.170 min        | 0.200 AG        | External        | Area        | LOff        | Auto        |       | 0.000000                | 1.000000                |
| 4   | Bromide         | 4.740 min        | 0.150 AG        | External        | Area        | LOff        | Auto        |       | 0.000000                | 1.000000                |
| 5   | Nitrate         | 5.400 min        | 0.300 AG        | External        | Area        | LOff        | Auto        |       | 0.000000                | 1.000000                |
| 6   | Phosphate       | 6.450 min        | 0.202 AG        | External        | Area        | LOff        | Auto        |       | 0.000000                | 2.000000                |
| 7   | Sulfate         | 7.150 min        | 0.247 AG        | External        | Area        | LOff        | Auto        |       | 0.000000                | 1.000000                |

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# **Peak Table:**

Use Recently Detected Retention Times: Off  
Peak Retention Time Determination: Absolute  
Dead time:  
Delay Time of 2'nd Detector: <None>  
Delay Time of 3'rd Detector: <None>

| No. | Peak Name       | Ret.Time         | Amount<br>Calibration 3 | Amount<br>Calibration 4 | Amount<br>Calibration 5 | Amount<br>Calibration 6 | Amount<br>Calibration 7 | Comment              |
|-----|-----------------|------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|----------------------|
| 1   | Fluoride        | 3.113 min        | 0.400000                | 1.000000                | 2.000000                | 4.000000                | 20.000000               | Autogenerated        |
| 2   | <i>Chloride</i> | <i>3.670 min</i> | <i>2.000000</i>         | <i>5.000000</i>         | <i>10.000000</i>        | <i>20.000000</i>        | <i>100.000000</i>       | <i>Autogenerated</i> |
| 3   | Nitrite         | 4.170 min        | 2.000000                | 5.000000                | 10.000000               | 20.000000               | 100.000000              | Autogenerated        |
| 4   | Bromide         | 4.740 min        | 2.000000                | 5.000000                | 10.000000               | 20.000000               | 100.000000              | Autogenerated        |
| 5   | Nitrate         | 5.400 min        | 2.000000                | 5.000000                | 10.000000               | 20.000000               | 100.000000              | Autogenerated        |
| 6   | Phosphate       | 6.450 min        | 4.000000                | 10.000000               | 20.000000               | 40.000000               | 200.000000              | Autogenerated        |
| 7   | Sulfate         | 7.150 min        | 2.000000                | 5.000000                | 10.000000               | 20.000000               | 100.000000              | Autogenerated        |

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**Amount Table:**

Dimension of Amounts:

Reference volume for amounts: Use inject volume of first standard

Number of Amount Columns: 7

Sample column used for amount column assignment: Sample Name

| No. | Peak Name       | Ret.Time         | Resp.Fact.      | Amount<br>Calibration 1 | Amount<br>Calibration 2 | Amount<br>Calibration 3 | Amount<br>Calibration 4 | Amount<br>Calibration 5 | Amount<br>Calibration 6 |
|-----|-----------------|------------------|-----------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| 1   | Fluoride        | 3.113 min        | 1.000000        | 0.000000                | 0.200000                | 0.400000                | 1.000000                | 2.000000                | 4.000000                |
| 2   | <i>Chloride</i> | <i>3.670 min</i> | <i>1.000000</i> | <i>0.000000</i>         | <i>1.000000</i>         | <i>2.000000</i>         | <i>5.000000</i>         | <i>10.000000</i>        | <i>20.000000</i>        |
| 3   | Nitrite         | 4.170 min        | 1.000000        | 0.000000                | 1.000000                | 2.000000                | 5.000000                | 10.000000               | 20.000000               |
| 4   | Bromide         | 4.740 min        | 1.000000        | 0.000000                | 1.000000                | 2.000000                | 5.000000                | 10.000000               | 20.000000               |
| 5   | Nitrate         | 5.400 min        | 1.000000        | 0.000000                | 1.000000                | 2.000000                | 5.000000                | 10.000000               | 20.000000               |
| 6   | Phosphate       | 6.450 min        | 1.000000        | 0.000000                | 2.000000                | 4.000000                | 10.000000               | 20.000000               | 40.000000               |
| 7   | Sulfate         | 7.150 min        | 1.000000        | 0.000000                | 1.000000                | 2.000000                | 5.000000                | 10.000000               | 20.000000               |

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#### Amount Table:

Dimension of Amounts:

Reference volume for amounts: Use inject volume of first standard

Number of Amount Columns: 7

Sample column used for amount column assignment: Sample Name

| No. | Peak Name       | Ret.Time         | Amount            | Comment              |
|-----|-----------------|------------------|-------------------|----------------------|
|     |                 |                  | Calibration 7     |                      |
| 1   | Fluoride        | 3.113 min        | 20.000000         | Autogenerated        |
| 2   | <i>Chloride</i> | <i>3.670 min</i> | <i>100.000000</i> | <i>Autogenerated</i> |
| 3   | Nitrite         | 4.170 min        | 100.000000        | Autogenerated        |
| 4   | Bromide         | 4.740 min        | 100.000000        | Autogenerated        |
| 5   | Nitrate         | 5.400 min        | 100.000000        | Autogenerated        |
| 6   | Phosphate       | 6.450 min        | 200.000000        | Autogenerated        |
| 7   | Sulfate         | 7.150 min        | 100.000000        | Autogenerated        |

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### Calibration:

Calibration Mode: Total  
Auto Recalibrate: On  
Curve Fitting Model: Normal  
Dual-Column Separate Calibration: Off

| No. | Enabled                             | Name          | Smp.No. | Pos. | Inj. Vol. | Weight | ISTD Amount | Dil. Factor | Inj. Date/Time      |
|-----|-------------------------------------|---------------|---------|------|-----------|--------|-------------|-------------|---------------------|
| 1   | <input type="checkbox"/>            | Calibration 1 | 1       | 99   | 25.0      | 1.0000 | 1.0000      | 1.0000      | 23/11/2023 09:07:21 |
| 2   | <input type="checkbox"/>            | Calibration 2 | 2       | 100  | 25.0      | 1.0000 | 1.0000      | 1.0000      | 23/11/2023 09:17:49 |
| 3   | <input checked="" type="checkbox"/> | Calibration 3 | 3       | 101  | 25.0      | 1.0000 | 1.0000      | 1.0000      | 23/11/2023 09:28:16 |
| 4   | <input checked="" type="checkbox"/> | Calibration 4 | 4       | 102  | 25.0      | 1.0000 | 1.0000      | 1.0000      | 23/11/2023 09:38:44 |
| 5   | <input checked="" type="checkbox"/> | Calibration 5 | 5       | 103  | 25.0      | 1.0000 | 1.0000      | 1.0000      | 23/11/2023 09:49:08 |
| 6   | <input checked="" type="checkbox"/> | Calibration 6 | 6       | 104  | 25.0      | 1.0000 | 1.0000      | 1.0000      | 23/11/2023 09:59:37 |

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### Calibration:

Calibration Mode: Total  
Auto Recalibrate: On  
Curve Fitting Model: Normal  
Dual-Column Separate Calibration: Off

| No. | Enabled                             | Name          | Sample Comment | Calib. Comment |
|-----|-------------------------------------|---------------|----------------|----------------|
| 1   | <input type="checkbox"/>            | Calibration 1 |                | Ok             |
| 2   | <input type="checkbox"/>            | Calibration 2 |                | Disabled       |
| 3   | <input checked="" type="checkbox"/> | Calibration 3 |                | Ok             |
| 4   | <input checked="" type="checkbox"/> | Calibration 4 |                | Ok             |
| 5   | <input checked="" type="checkbox"/> | Calibration 5 |                | Ok             |
| 6   | <input checked="" type="checkbox"/> | Calibration 6 |                | Ok             |