



CERTIFICATE OF ANALYSIS

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Project : WATER QUALITY MONITORING PROGRAMME
DEEP WATER BAY AND PO TOI
Order number : ----
C-O-C number : ----
Site : ----

Laboratory : ALS Technichem HK Pty Ltd
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Quote number : ----

Page : 1 of 4
Work Order : **HK0916121**

Date received : 08-AUG-2009

Date of issue : 12-AUG-2009

No. of samples - *Received* : 30
- *Analysed* : 30

Report Comments

This report for ALS Technichem (HK) Pty Ltd work order reference HK0916121 supersedes any previous reports with this reference. The completion date of analysis is 11-AUG-2009. Results apply to sample(s) as submitted. All pages of this report have been checked and approved for release. When date(s) and/or time(s) are shown bracketed, these have been assumed by the laboratory for process purposes. Abbreviations: CAS number = Chemical Abstract Services number. LOR = Limit of reporting.

Specific comments for Work Order HK0916121 : **Sample(s) were received in a chilled condition.**
Water sample(s) analysed and reported on an as received basis.

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| <i>Signatory</i> | <i>Position</i> | <i>Authorised results for:-</i> |
|------------------------|-----------------|---------------------------------|
| Fung Lim Chee, Richard | General Manager | Inorganics |

ALS Laboratory Group

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Laboratory Duplicate (DUP) Report

| Matrix: WATER | | | | Laboratory Duplicate (DUP) Report | | | | |
|---|-----------------------------------|------------------------------|------------|-----------------------------------|------|-----------------|------------------|---------|
| Laboratory sample ID | Client sample ID | Method: Compound | CAS Number | LOR | Unit | Original Result | Duplicate Result | RPD (%) |
| EA/ED: Physical and Aggregate Properties (QC Lot: 1065064) | | | | | | | | |
| HK0916121-001 | 2009/08/07/1215/S1/B/E/ REPL.1 | EA025: Suspended Solids (SS) | ---- | 1 | mg/L | 3 | 3 | 0.0 |
| HK0916121-012 | 2009/08/07/1210/S2/T/E/ REPL.2 | EA025: Suspended Solids (SS) | ---- | 1 | mg/L | 5 | 5 | 0.0 |
| EA/ED: Physical and Aggregate Properties (QC Lot: 1065066) | | | | | | | | |
| HK0916121-021 | 2009/08/07/1231/B1/T/E/ REPL.1 | EA025: Suspended Solids (SS) | ---- | 1 | mg/L | 3 | 3 | 0.0 |

Method Blank (MB), Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report

| Matrix: WATER | | | Method Blank (MB) Report | | | Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report | | | | | |
|--|------------|-----|--------------------------|--------|---------------------|--|------|---------------------|------|----------|---------------|
| Method: Compound | CAS Number | LOR | Unit | Result | Spike Concentration | Spike Recovery (%) | | Recovery Limits (%) | | RPDs (%) | |
| | | | | | | LCS | DCS | Low | High | Value | Control Limit |
| EA/ED: Physical and Aggregate Properties (QCLot: 1065064) | | | | | | | | | | | |
| EA025: Suspended Solids (SS) | ---- | 2 | mg/L | <2 | 20 mg/L | 90.5 | ---- | 85 | 115 | ---- | ---- |
| EA/ED: Physical and Aggregate Properties (QCLot: 1065066) | | | | | | | | | | | |
| EA025: Suspended Solids (SS) | ---- | 2 | mg/L | <2 | 20 mg/L | 98.5 | ---- | 85 | 115 | ---- | ---- |

Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Report

- No Matrix Spike (MS) or Matrix Spike Duplicate (MSD) Results are required to be reported.



CERTIFICATE OF ANALYSIS

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Project : WATER QUALITY MONITORING PROGRAMME
DEEP WATER BAY AND PO TOI
Order number : ----
C-O-C number : ----
Site : ----

Laboratory : ALS Technichem HK Pty Ltd
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Quote number : ----

Page : 1 of 4
Work Order : **HK0916166**

Date received : 09-AUG-2009

Date of issue : 12-AUG-2009

No. of samples - *Received* : 30
- *Analysed* : 30

Report Comments

This report for ALS Technichem (HK) Pty Ltd work order reference HK0916166 supersedes any previous reports with this reference. The completion date of analysis is 11-AUG-2009. Results apply to sample(s) as submitted. All pages of this report have been checked and approved for release. When date(s) and/or time(s) are shown bracketed, these have been assumed by the laboratory for process purposes. Abbreviations: CAS number = Chemical Abstract Services number. LOR = Limit of reporting.

Specific comments for Work Order HK0916166 : **Sample(s) were received in a chilled condition.**
Water sample(s) analysed and reported on an as received basis.

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|------------------------|-----------------|---------------------------------|
| Fung Lim Chee, Richard | General Manager | Inorganics |

ALS Laboratory Group

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Laboratory Duplicate (DUP) Report

| Matrix: WATER | | | | Laboratory Duplicate (DUP) Report | | | | |
|---|-----------------------------------|------------------------------|------------|-----------------------------------|------|-----------------|------------------|---------|
| Laboratory sample ID | Client sample ID | Method: Compound | CAS Number | LOR | Unit | Original Result | Duplicate Result | RPD (%) |
| EA/ED: Physical and Aggregate Properties (QC Lot: 1065079) | | | | | | | | |
| HK0916166-001 | 2009/08/08/1251/S1/B/E/ REPL.1 | EA025: Suspended Solids (SS) | ---- | 1 | mg/L | 19 | 18 | 7.9 |
| HK0916166-011 | 2009/08/08/1239/S2/M/E/ REPL.2 | EA025: Suspended Solids (SS) | ---- | 1 | mg/L | 4 | 4 | 0.0 |
| EA/ED: Physical and Aggregate Properties (QC Lot: 1065080) | | | | | | | | |
| HK0916166-021 | 2009/08/08/1313/B1/T/E/ REPL.1 | EA025: Suspended Solids (SS) | ---- | 1 | mg/L | 2 | 2 | 0.0 |

Method Blank (MB), Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report

| Matrix: WATER | | | Method Blank (MB) Report | | | Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report | | | | | |
|--|------------|-----|--------------------------|--------|---------------------|--|------|---------------------|------|----------|---------------|
| Method: Compound | CAS Number | LOR | Unit | Result | Spike Concentration | Spike Recovery (%) | | Recovery Limits (%) | | RPDs (%) | |
| | | | | | | LCS | DCS | Low | High | Value | Control Limit |
| EA/ED: Physical and Aggregate Properties (QCLot: 1065079) | | | | | | | | | | | |
| EA025: Suspended Solids (SS) | ---- | 2 | mg/L | <2 | 20 mg/L | 104 | ---- | 85 | 115 | ---- | ---- |
| EA/ED: Physical and Aggregate Properties (QCLot: 1065080) | | | | | | | | | | | |
| EA025: Suspended Solids (SS) | ---- | 2 | mg/L | <2 | 20 mg/L | 108 | ---- | 85 | 115 | ---- | ---- |

Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Report

- No Matrix Spike (MS) or Matrix Spike Duplicate (MSD) Results are required to be reported.



CERTIFICATE OF ANALYSIS

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Project : WATER QUALITY MONITORING PROGRAMME
DEEP WATER BAY AND PO TOI
Order number : ----
C-O-C number : ----
Site : ----

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Quote number : ----

Page : 1 of 4
Work Order : **HK0916322**

Date received : 11-AUG-2009

Date of issue : 15-AUG-2009

No. of samples - *Received* : 30
- *Analysed* : 30

Report Comments

This report for ALS Technichem (HK) Pty Ltd work order reference HK0916322 supersedes any previous reports with this reference. The completion date of analysis is 12-AUG-2009. Results apply to sample(s) as submitted. All pages of this report have been checked and approved for release. When date(s) and/or time(s) are shown bracketed, these have been assumed by the laboratory for process purposes. Abbreviations: CAS number = Chemical Abstract Services number. LOR = Limit of reporting.

Specific comments for Work Order HK0916322 : **Sample(s) were received in a chilled condition.**
Water sample(s) analysed and reported on an as received basis.

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|------------------------|-----------------|---------------------------------|
| Fung Lim Chee, Richard | General Manager | Inorganics |

ALS Laboratory Group

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Laboratory Duplicate (DUP) Report

| Matrix: WATER | | | | Laboratory Duplicate (DUP) Report | | | | |
|---|-----------------------------------|------------------------------|------------|-----------------------------------|------|-----------------|------------------|---------|
| Laboratory sample ID | Client sample ID | Method: Compound | CAS Number | LOR | Unit | Original Result | Duplicate Result | RPD (%) |
| EA/ED: Physical and Aggregate Properties (QC Lot: 1066209) | | | | | | | | |
| HK0916322-001 | 2009/08/10/0739/S1/B/E/ REPL.1 | EA025: Suspended Solids (SS) | ---- | 1 | mg/L | 11 | 10 | 0.0 |
| HK0916322-011 | 2009/08/10/0732/S2/M/E/ REPL.2 | EA025: Suspended Solids (SS) | ---- | 1 | mg/L | 3 | 3 | 0.0 |
| EA/ED: Physical and Aggregate Properties (QC Lot: 1066210) | | | | | | | | |
| HK0916322-021 | 2009/08/10/0754/B1/T/E/ REPL.1 | EA025: Suspended Solids (SS) | ---- | 1 | mg/L | 5 | 4 | 0.0 |

Method Blank (MB), Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report

| Matrix: WATER | | Method Blank (MB) Report | | | Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report | | | | | | |
|--|------------|--------------------------|------|--------|--|--------------------|------|---------------------|------|----------|---------------|
| Method: Compound | CAS Number | LOR | Unit | Result | Spike Concentration | Spike Recovery (%) | | Recovery Limits (%) | | RPDs (%) | |
| | | | | | | LCS | DCS | Low | High | Value | Control Limit |
| EA/ED: Physical and Aggregate Properties (QCLot: 1066209) | | | | | | | | | | | |
| EA025: Suspended Solids (SS) | ---- | 2 | mg/L | <2 | 20 mg/L | 99.5 | ---- | 85 | 115 | ---- | ---- |
| EA/ED: Physical and Aggregate Properties (QCLot: 1066210) | | | | | | | | | | | |
| EA025: Suspended Solids (SS) | ---- | 2 | mg/L | <2 | 20 mg/L | 113 | ---- | 85 | 115 | ---- | ---- |

Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Report

- No Matrix Spike (MS) or Matrix Spike Duplicate (MSD) Results are required to be reported.



CERTIFICATE OF ANALYSIS

| | | | | | |
|---------------------|--|---------------------|---|-----------------------|------------------------|
| <i>Client</i> | : ERM HONG KONG | <i>Laboratory</i> | : ALS Technichem HK Pty Ltd | <i>Page</i> | : 1 of 4 |
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| <i>Facsimile</i> | : +852 2723 5660 | <i>Facsimile</i> | : +852 2610 2021 | | |
| <i>Project</i> | : WATER QUALITY MONITORING PROGRAMME DEEP WATER BAY AND PO TOI | <i>Quote number</i> | : --- | <i>Date received</i> | : 11-AUG-2009 |
| <i>Order number</i> | : --- | | | <i>Date of issue</i> | : 15-AUG-2009 |
| <i>C-O-C number</i> | : --- | | | <i>No. of samples</i> | - <i>Received</i> : 30 |
| <i>Site</i> | : --- | | | | - <i>Analysed</i> : 30 |

Report Comments

This report for ALS Technichem (HK) Pty Ltd work order reference HK0916323 supersedes any previous reports with this reference. The completion date of analysis is 12-AUG-2009. Results apply to sample(s) as submitted. All pages of this report have been checked and approved for release. When date(s) and/or time(s) are shown bracketed, these have been assumed by the laboratory for process purposes. Abbreviations: CAS number = Chemical Abstract Services number. LOR = Limit of reporting.

Specific comments for Work Order HK0916323 : **Sample(s) were received in a chilled condition.**
Water sample(s) analysed and reported on an as received basis.

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|------------------------|-----------------|---------------------------------|
| Fung Lim Chee, Richard | General Manager | Inorganics |

ALS Laboratory Group

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Laboratory Duplicate (DUP) Report

| Matrix: WATER | | | | Laboratory Duplicate (DUP) Report | | | | |
|---|-----------------------------------|------------------------------|------------|-----------------------------------|------|-----------------|------------------|---------|
| Laboratory sample ID | Client sample ID | Method: Compound | CAS Number | LOR | Unit | Original Result | Duplicate Result | RPD (%) |
| EA/ED: Physical and Aggregate Properties (QC Lot: 1066211) | | | | | | | | |
| HK0916323-001 | 2009/08/10/1406/S1/B/F/ REPL.1 | EA025: Suspended Solids (SS) | ---- | 1 | mg/L | 15 | 17 | 9.8 |
| HK0916323-011 | 2009/08/10/1359/S2/M/F/ REPL.2 | EA025: Suspended Solids (SS) | ---- | 1 | mg/L | 5 | 4 | 0.0 |
| EA/ED: Physical and Aggregate Properties (QC Lot: 1066212) | | | | | | | | |
| HK0916323-021 | 2009/08/10/1425/B1/T/F/ REPL.1 | EA025: Suspended Solids (SS) | ---- | 1 | mg/L | 6 | 7 | 0.0 |

Method Blank (MB), Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report

| Matrix: WATER | | | Method Blank (MB) Report | | | Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report | | | | | |
|--|------------|-----|--------------------------|--------|---------------------|--|------|---------------------|------|----------|---------------|
| Method: Compound | CAS Number | LOR | Unit | Result | Spike Concentration | Spike Recovery (%) | | Recovery Limits (%) | | RPDs (%) | |
| | | | | | | LCS | DCS | Low | High | Value | Control Limit |
| EA/ED: Physical and Aggregate Properties (QCLot: 1066211) | | | | | | | | | | | |
| EA025: Suspended Solids (SS) | ---- | 2 | mg/L | <2 | 20 mg/L | 102 | ---- | 85 | 115 | ---- | ---- |
| EA/ED: Physical and Aggregate Properties (QCLot: 1066212) | | | | | | | | | | | |
| EA025: Suspended Solids (SS) | ---- | 2 | mg/L | <2 | 20 mg/L | 108 | ---- | 85 | 115 | ---- | ---- |

Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Report

- No Matrix Spike (MS) or Matrix Spike Duplicate (MSD) Results are required to be reported.



CERTIFICATE OF ANALYSIS

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Project : WATER QUALITY MONITORING PROGRAMME
DEEP WATER BAY AND PO TOI
Order number : ----
C-O-C number : ----
Site : ----

Laboratory : ALS Technichem HK Pty Ltd
Contact : Chan Kwok Fai, Godfrey
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Quote number : ----

Page : 1 of 4
Work Order : **HK0916414**

Date received : 12-AUG-2009

Date of issue : 17-AUG-2009

No. of samples - *Received* : 30
- *Analysed* : 30

Report Comments

This report for ALS Technichem (HK) Pty Ltd work order reference HK0916414 supersedes any previous reports with this reference. The completion date of analysis is 14-AUG-2009. Results apply to sample(s) as submitted. All pages of this report have been checked and approved for release. When date(s) and/or time(s) are shown bracketed, these have been assumed by the laboratory for process purposes. Abbreviations: CAS number = Chemical Abstract Services number. LOR = Limit of reporting.

Specific comments for Work Order HK0916414 : **Sample(s) were received in a chilled condition.**
Water sample(s) analysed and reported on an as received basis.

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|------------------------|-----------------|---------------------------------|
| Fung Lim Chee, Richard | General Manager | Inorganics |

ALS Laboratory Group

Trading Name: **ALS Technichem (HK) Pty Ltd**

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Laboratory Duplicate (DUP) Report

| Matrix: WATER | | | | Laboratory Duplicate (DUP) Report | | | | |
|---|-----------------------------------|------------------------------|------------|-----------------------------------|------|-----------------|------------------|---------|
| Laboratory sample ID | Client sample ID | Method: Compound | CAS Number | LOR | Unit | Original Result | Duplicate Result | RPD (%) |
| EA/ED: Physical and Aggregate Properties (QC Lot: 1068831) | | | | | | | | |
| HK0916414-001 | 2009/08/11/0828/S1/B/E/ REPL.1 | EA025: Suspended Solids (SS) | ---- | 1 | mg/L | 8 | 8 | 0.0 |
| HK0916414-011 | 2009/08/11/0821/S2/M/E/ REPL.2 | EA025: Suspended Solids (SS) | ---- | 1 | mg/L | 3 | 4 | 0.0 |
| EA/ED: Physical and Aggregate Properties (QC Lot: 1068832) | | | | | | | | |
| HK0916414-021 | 2009/08/11/0844/B1/T/E/ REPL.1 | EA025: Suspended Solids (SS) | ---- | 1 | mg/L | 4 | 4 | 0.0 |

Method Blank (MB), Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report

| Matrix: WATER | | | Method Blank (MB) Report | | | Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report | | | | | |
|--|------------|-----|--------------------------|--------|---------------------|--|------|---------------------|------|----------|---------------|
| Method: Compound | CAS Number | LOR | Unit | Result | Spike Concentration | Spike Recovery (%) | | Recovery Limits (%) | | RPDs (%) | |
| | | | | | | LCS | DCS | Low | High | Value | Control Limit |
| EA/ED: Physical and Aggregate Properties (QCLot: 1068831) | | | | | | | | | | | |
| EA025: Suspended Solids (SS) | ---- | 2 | mg/L | <2 | 20 mg/L | 104 | ---- | 85 | 115 | ---- | ---- |
| EA/ED: Physical and Aggregate Properties (QCLot: 1068832) | | | | | | | | | | | |
| EA025: Suspended Solids (SS) | ---- | 2 | mg/L | <2 | 20 mg/L | 108 | ---- | 85 | 115 | ---- | ---- |

Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Report

- No Matrix Spike (MS) or Matrix Spike Duplicate (MSD) Results are required to be reported.



CERTIFICATE OF ANALYSIS

| | | | | | |
|---------------------|--|---------------------|---|-----------------------|------------------------|
| <i>Client</i> | : ERM HONG KONG | <i>Laboratory</i> | : ALS Technichem HK Pty Ltd | <i>Page</i> | : 1 of 4 |
| <i>Contact</i> | : MS FRANCESCA ZINO | <i>Contact</i> | : Chan Kwok Fai, Godfrey | <i>Work Order</i> | : HK0916423 |
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| <i>Project</i> | : WATER QUALITY MONITORING PROGRAMME DEEP WATER BAY AND PO TOI | <i>Quote number</i> | : ---- | <i>Date received</i> | : 12-AUG-2009 |
| <i>Order number</i> | : ---- | | | <i>Date of issue</i> | : 17-AUG-2009 |
| <i>C-O-C number</i> | : ---- | | | <i>No. of samples</i> | - <i>Received</i> : 30 |
| <i>Site</i> | : ---- | | | | - <i>Analysed</i> : 30 |

Report Comments

This report for ALS Technichem (HK) Pty Ltd work order reference HK0916423 supersedes any previous reports with this reference. The completion date of analysis is 14-AUG-2009. Results apply to sample(s) as submitted. All pages of this report have been checked and approved for release. When date(s) and/or time(s) are shown bracketed, these have been assumed by the laboratory for process purposes. Abbreviations: CAS number = Chemical Abstract Services number. LOR = Limit of reporting.

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Water sample(s) analysed and reported on an as received basis.

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| <i>Signatory</i> | <i>Position</i> | <i>Authorised results for:-</i> |
|------------------------|-----------------|---------------------------------|
| Fung Lim Chee, Richard | General Manager | Inorganics |



Laboratory Duplicate (DUP) Report

| Matrix: WATER | | | | Laboratory Duplicate (DUP) Report | | | | |
|---|-----------------------------------|------------------------------|------------|-----------------------------------|------|-----------------|------------------|---------|
| Laboratory sample ID | Client sample ID | Method: Compound | CAS Number | LOR | Unit | Original Result | Duplicate Result | RPD (%) |
| EA/ED: Physical and Aggregate Properties (QC Lot: 1068834) | | | | | | | | |
| HK0916423-001 | 2009/08/11/1446/S1/B/F/ REPL.1 | EA025: Suspended Solids (SS) | ---- | 1 | mg/L | 7 | 6 | 0.0 |
| HK0916423-011 | 2009/08/11/1439/S2/M/F/ REPL.2 | EA025: Suspended Solids (SS) | ---- | 1 | mg/L | 6 | 7 | 0.0 |
| EA/ED: Physical and Aggregate Properties (QC Lot: 1068835) | | | | | | | | |
| HK0916423-021 | 2009/08/11/1505/B1/T/F/ REPL.1 | EA025: Suspended Solids (SS) | ---- | 1 | mg/L | 5 | 6 | 0.0 |

Method Blank (MB), Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report

| Matrix: WATER | | | Method Blank (MB) Report | | | Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report | | | | | |
|--|------------|-----|--------------------------|--------|---------------------|--|------|---------------------|------|----------|---------------|
| Method: Compound | CAS Number | LOR | Unit | Result | Spike Concentration | Spike Recovery (%) | | Recovery Limits (%) | | RPDs (%) | |
| | | | | | | LCS | DCS | Low | High | Value | Control Limit |
| EA/ED: Physical and Aggregate Properties (QCLot: 1068834) | | | | | | | | | | | |
| EA025: Suspended Solids (SS) | ---- | 2 | mg/L | <2 | 20 mg/L | 94.5 | ---- | 85 | 115 | ---- | ---- |
| EA/ED: Physical and Aggregate Properties (QCLot: 1068835) | | | | | | | | | | | |
| EA025: Suspended Solids (SS) | ---- | 2 | mg/L | <2 | 20 mg/L | 93.0 | ---- | 85 | 115 | ---- | ---- |

Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Report

- No Matrix Spike (MS) or Matrix Spike Duplicate (MSD) Results are required to be reported.