



Client : SINCLAIR KNIGHT MERZ  
Project : EN01669

Work Order : ES0501668  
ALS Quote Reference : ---

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Issue Date : 17 Mar 2005

ALS Environmental

Matrix Type: WATER

Laboratory Duplicates (DUP) Report

| Laboratory Sample ID                                     | Client Sample ID | Analyte name                | LOR    | Original Result | Duplicate Result | RPD |
|----------------------------------------------------------|------------------|-----------------------------|--------|-----------------|------------------|-----|
| ES0501818-004                                            | Anonymous        | cis-1,2-Dichloroethene      | 5 µg/L | <5              | <5               | 0.0 |
|                                                          |                  | 1,1,1-Trichloroethane       | 5 µg/L | <5              | <5               | 0.0 |
|                                                          |                  | 1,1-Dichloropropylene       | 5 µg/L | <5              | <5               | 0.0 |
|                                                          |                  | Carbon Tetrachloride        | 5 µg/L | <5              | <5               | 0.0 |
|                                                          |                  | 1,2-Dichloroethane          | 5 µg/L | <5              | <5               | 0.0 |
|                                                          |                  | Trichloroethene             | 5 µg/L | <5              | <5               | 0.0 |
|                                                          |                  | Dibromomethane              | 5 µg/L | <5              | <5               | 0.0 |
|                                                          |                  | 1,1,2-Trichloroethane       | 5 µg/L | <5              | <5               | 0.0 |
|                                                          |                  | 1,3-Dichloropropane         | 5 µg/L | <5              | <5               | 0.0 |
|                                                          |                  | Tetrachloroethene           | 5 µg/L | <5              | <5               | 0.0 |
|                                                          |                  | 1,1,1,2-Tetrachloroethane   | 5 µg/L | <5              | <5               | 0.0 |
|                                                          |                  | trans-1,4-Dichloro-2-butene | 5 µg/L | <5              | <5               | 0.0 |
|                                                          |                  | cis-1,4-Dichloro-2-butene   | 5 µg/L | <5              | <5               | 0.0 |
|                                                          |                  | 1,1,2,2-Tetrachloroethane   | 5 µg/L | <5              | <5               | 0.0 |
|                                                          |                  | 1,2,3-Trichloropropane      | 5 µg/L | <5              | <5               | 0.0 |
|                                                          |                  | Pentachloroethane           | 5 µg/L | <5              | <5               | 0.0 |
| ES0501818-004                                            | Anonymous        | 1,2-Dibromo-3-chloropropane | 5 µg/L | <5              | <5               | 0.0 |
|                                                          |                  | Hexachlorobutadiene         | 5 µg/L | <5              | <5               | 0.0 |
| EP074F: Halogenated Aromatic Compounds                   |                  |                             |        |                 |                  |     |
| EP074F: Halogenated Aromatic Compounds - (QC Lot: 50458) |                  |                             |        |                 |                  |     |
| ES0501662-006                                            | Anonymous        | Chlorobenzene               | 5 µg/L | <5              | <5               | 0.0 |
|                                                          |                  | Bromobenzene                | 5 µg/L | <5              | <5               | 0.0 |
|                                                          |                  | 2-Chlorotoluene             | 5 µg/L | <5              | <5               | 0.0 |
|                                                          |                  | 4-Chlorotoluene             | 5 µg/L | <5              | <5               | 0.0 |
|                                                          |                  | 1,3-Dichlorobenzene         | 5 µg/L | <5              | <5               | 0.0 |
|                                                          |                  | 1,4-Dichlorobenzene         | 5 µg/L | <5              | <5               | 0.0 |
|                                                          |                  | 1,2-Dichlorobenzene         | 5 µg/L | <5              | <5               | 0.0 |
|                                                          |                  | 1,2,4-Trichlorobenzene      | 5 µg/L | <5              | <5               | 0.0 |
|                                                          |                  | 1,2,3-Trichlorobenzene      | 5 µg/L | <5              | <5               | 0.0 |
|                                                          |                  | Chlorobenzene               | 5 µg/L | <5              | <5               | 0.0 |
| ES0501818-004                                            | Anonymous        | Bromobenzene                | 5 µg/L | <5              | <5               | 0.0 |
|                                                          |                  | 2-Chlorotoluene             | 5 µg/L | <5              | <5               | 0.0 |
|                                                          |                  | 4-Chlorotoluene             | 5 µg/L | <5              | <5               | 0.0 |
|                                                          |                  | 1,3-Dichlorobenzene         | 5 µg/L | <5              | <5               | 0.0 |
|                                                          |                  | 1,4-Dichlorobenzene         | 5 µg/L | <5              | <5               | 0.0 |
|                                                          |                  | 1,2-Dichlorobenzene         | 5 µg/L | <5              | <5               | 0.0 |
| ES0501818-004                                            | Anonymous        | 1,2,4-Trichlorobenzene      | 5 µg/L | <5              | <5               | 0.0 |
|                                                          |                  | 1,2,3-Trichlorobenzene      | 5 µg/L | <5              | <5               | 0.0 |

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**Matrix Type: WATER**

| Laboratory Sample ID                                             | Client Sample ID | Analyte name         | LOR     | Original Result | Duplicate Result | RPD |
|------------------------------------------------------------------|------------------|----------------------|---------|-----------------|------------------|-----|
| <b>EP074G: Trihalomethanes</b>                                   |                  |                      |         |                 |                  |     |
| <b>EP074G: Trihalomethanes - (QC Lot: 50458)</b>                 |                  |                      |         |                 |                  |     |
| ES0501662-006                                                    | Anonymous        | Chloroform           | 5 µg/L  | <5              | <5               | 0.0 |
|                                                                  |                  | Bromodichloromethane | 5 µg/L  | <5              | <5               | 0.0 |
|                                                                  |                  | Dibromochloromethane | 5 µg/L  | <5              | <5               | 0.0 |
|                                                                  |                  | Bromoform            | 5 µg/L  | <5              | <5               | 0.0 |
| <b>ES0501818-004</b>                                             |                  |                      |         |                 |                  |     |
|                                                                  | Anonymous        | Chloroform           | 5 µg/L  | 17              | 17               | 0.0 |
|                                                                  |                  | Bromodichloromethane | 5 µg/L  | 12              | 12               | 0.0 |
|                                                                  |                  | Dibromochloromethane | 5 µg/L  | 7               | 7                | 0.0 |
|                                                                  |                  | Bromoform            | 5 µg/L  | <5              | <5               | 0.0 |
| <b>EP074H: Naphthalene</b>                                       |                  |                      |         |                 |                  |     |
| <b>EP074H: Naphthalene - (QC Lot: 50458)</b>                     |                  |                      |         |                 |                  |     |
| ES0501662-006                                                    | Anonymous        | Naphthalene          | 5 µg/L  | 35              | 39               | 9.6 |
| ES0501818-004                                                    | Anonymous        | Naphthalene          | 5 µg/L  | <5              | <5               | 0.0 |
| <b>EP080/071: Total Petroleum Hydrocarbons</b>                   |                  |                      |         |                 |                  |     |
| <b>EP080/071: Total Petroleum Hydrocarbons - (QC Lot: 48804)</b> |                  |                      |         |                 |                  |     |
| ES0501638-001                                                    | Anonymous        | C6 - C9 Fraction     | 20 µg/L | <20             | <20              | 0.0 |
| ES0501656-005                                                    | Anonymous        | C6 - C9 Fraction     | 20 µg/L | <20             | <20              | 0.0 |
| <b>EP080/071: Total Petroleum Hydrocarbons - (QC Lot: 50189)</b> |                  |                      |         |                 |                  |     |
| ES0501668-008                                                    | DUP4             | C6 - C9 Fraction     | 20 µg/L | <20             | <20              | 0.0 |
| ES0501711-002                                                    | Anonymous        | C6 - C9 Fraction     | 20 µg/L | <20             | <20              | 0.0 |
| <b>EP080/071: Total Petroleum Hydrocarbons - (QC Lot: 50459)</b> |                  |                      |         |                 |                  |     |
| ES0501662-006                                                    | Anonymous        | C6 - C9 Fraction     | 20 µg/L | 1980            | 2000             | 0.9 |
| ES0501818-004                                                    | Anonymous        | C6 - C9 Fraction     | 20 µg/L | <20             | <20              | 0.0 |



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## Laboratory Duplicates (DUP) Report

## Matrix Type: WATER

| Laboratory Sample ID          | Client Sample ID | Analyte name        | LOR    | Original Result | Duplicate Result | RPD |
|-------------------------------|------------------|---------------------|--------|-----------------|------------------|-----|
| EP080: BTEX                   |                  |                     |        |                 |                  |     |
| EP080: BTEX - (QC Lot: 48804) |                  |                     |        |                 |                  |     |
| ES0501638-001                 | Anonymous        | Benzene             | 1 µg/L | <1              | <1               | 0.0 |
|                               |                  | Toluene             | 2 µg/L | <2              | <2               | 0.0 |
|                               |                  | Ethylbenzene        | 2 µg/L | <2              | <2               | 0.0 |
|                               |                  | meta- & para-Xylene | 2 µg/L | <2              | <2               | 0.0 |
|                               |                  | ortho-Xylene        | 2 µg/L | <2              | <2               | 0.0 |
| ES0501656-005                 | Anonymous        | Benzene             | 1 µg/L | <1              | <1               | 0.0 |
|                               |                  | Toluene             | 2 µg/L | <2              | <2               | 0.0 |
|                               |                  | Ethylbenzene        | 2 µg/L | <2              | <2               | 0.0 |
|                               |                  | meta- & para-Xylene | 2 µg/L | <2              | <2               | 0.0 |
|                               |                  | ortho-Xylene        | 2 µg/L | <2              | <2               | 0.0 |
| EP080: BTEX - (QC Lot: 50189) |                  |                     |        |                 |                  |     |
| ES0501668-008                 | DUP4             | Benzene             | 1 µg/L | <1              | <1               | 0.0 |
|                               |                  | Toluene             | 2 µg/L | <2              | <2               | 0.0 |
|                               |                  | Ethylbenzene        | 2 µg/L | <2              | <2               | 0.0 |
|                               |                  | meta- & para-Xylene | 2 µg/L | <2              | <2               | 0.0 |
|                               |                  | ortho-Xylene        | 2 µg/L | <2              | <2               | 0.0 |
| ES0501711-002                 | Anonymous        | Benzene             | 1 µg/L | <1              | <1               | 0.0 |
|                               |                  | Toluene             | 2 µg/L | <2              | <2               | 0.0 |
|                               |                  | Ethylbenzene        | 2 µg/L | <2              | <2               | 0.0 |
|                               |                  | meta- & para-Xylene | 2 µg/L | <2              | <2               | 0.0 |
|                               |                  | ortho-Xylene        | 2 µg/L | <2              | <2               | 0.0 |
| EP080: BTEX - (QC Lot: 50459) |                  |                     |        |                 |                  |     |
| ES0501662-006                 | Anonymous        | Benzene             | 1 µg/L | 2               | 2                | 0.0 |
|                               |                  | Toluene             | 2 µg/L | 38              | 39               | 0.0 |
|                               |                  | Ethylbenzene        | 2 µg/L | 60              | 61               | 2.0 |
|                               |                  | meta- & para-Xylene | 2 µg/L | 643             | 641              | 0.2 |
|                               |                  | ortho-Xylene        | 2 µg/L | 402             | 403              | 0.5 |
| ES0501818-004                 | Anonymous        | Benzene             | 1 µg/L | <1              | <1               | 0.0 |
|                               |                  | Toluene             | 2 µg/L | <2              | <2               | 0.0 |
|                               |                  | Ethylbenzene        | 2 µg/L | <2              | <2               | 0.0 |
|                               |                  | meta- & para-Xylene | 2 µg/L | <2              | <2               | 0.0 |
|                               |                  | ortho-Xylene        | 2 µg/L | <2              | <2               | 0.0 |

## Quality Control Report - Method Blank (MB) and Laboratory Control Samples (LCS)

The quality control term Method / Laboratory Blank refers to an analyte free matrix to which all reagents are added in the same volumes or proportions as used in standard sample preparation. The purpose of this QC type is to monitor potential laboratory contamination. The quality control term Laboratory Control Sample (LCS) refers to a known, interference free matrix spiked with target analytes or certified reference material. The purpose of this QC type is to monitor method precision and accuracy independent of sample matrix. Dynamic Recovery Limits are based on statistical evaluation of actual laboratory data. Abbreviations: LOR = Limit of

Matrix Type: WATER

### Method Blank (MB) and Laboratory Control Samples (LCS) Report

| Analyte name                                       |        | LOR  | Method blank result | Actual Results      |                    | Recovery Limits             |      |
|----------------------------------------------------|--------|------|---------------------|---------------------|--------------------|-----------------------------|------|
|                                                    |        |      |                     | Spike concentration | Spike Recovery LCS | Dynamic Recovery Limits Low | High |
| ED093F: Dissolved Major Cations                    |        |      |                     |                     |                    |                             |      |
| ED093F: Dissolved Major Cations - (QC Lot: 48930 ) |        |      |                     |                     |                    |                             |      |
| Calcium                                            | 1 mg/L | mg/L | mg/L                | %                   | %                  | %                           |      |
|                                                    | 1 mg/L | <1   | 50                  | 99.6                | 70                 | 130                         |      |
| Magnesium                                          | 1 mg/L | <1   | 50                  | 98.4                | 70                 | 130                         |      |
|                                                    | 1 mg/L | mg/L | mg/L                | %                   | %                  | %                           |      |
| ED093F: Dissolved Major Cations - (QC Lot: 48932 ) |        |      |                     |                     |                    |                             |      |
| Calcium                                            | 1 mg/L | <1   | 50                  | 99.6                | 70                 | 130                         |      |
| Magnesium                                          | 1 mg/L | <1   | 50                  | 96.7                | 70                 | 130                         |      |
|                                                    | 1 mg/L | mg/L | mg/L                | %                   | %                  | %                           |      |
| ED093F: Dissolved Major Cations - (QC Lot: 49509 ) |        |      |                     |                     |                    |                             |      |
| Calcium                                            | 1 mg/L | <1   | 50                  | 97.5                | 70                 | 130                         |      |
| Magnesium                                          | 1 mg/L | <1   | 50                  | 98.1                | 70                 | 130                         |      |
|                                                    | 1 mg/L | mg/L | mg/L                | %                   | %                  | %                           |      |



Matrix Type: WATER

Method Blank (MB) and Laboratory Control Samples (LCS) Report

| Analyte name                                      | LOR         | Method blank result | Actual Results      |                    | Recovery Limits |      |
|---------------------------------------------------|-------------|---------------------|---------------------|--------------------|-----------------|------|
|                                                   |             |                     | Spike concentration | Spike Recovery LCS | Low             | High |
| EG020T: Total Metals by ICP-MS                    |             |                     |                     |                    |                 |      |
| EG020T: Total Metals by ICP-MS - (QC Lot: 48904 ) |             |                     |                     |                    |                 |      |
| Arsenic                                           | 0.001 mg/L  | mg/L                | mg/L                | %                  | %               | %    |
|                                                   | 0.001 mg/L  | <0.001              | ---                 | ---                | ---             | ---  |
|                                                   | 0.001 mg/L  | ---                 | 0.1                 | 90.5               | 70              | 130  |
| Cadmium                                           | 0.0001 mg/L | <0.0001             | ---                 | ---                | ---             | ---  |
|                                                   | 0.0001 mg/L | ---                 | 0.1                 | 97.8               | 70              | 130  |
| Copper                                            | 0.001 mg/L  | <0.001              | ---                 | ---                | ---             | ---  |
|                                                   | 0.001 mg/L  | ---                 | 0.1                 | 94.4               | 70              | 130  |
| Lead                                              | 0.001 mg/L  | <0.001              | ---                 | ---                | ---             | ---  |
|                                                   | 0.001 mg/L  | ---                 | 0.1                 | 101                | 70              | 130  |
| Nickel                                            | 0.001 mg/L  | <0.001              | ---                 | ---                | ---             | ---  |
|                                                   | 0.001 mg/L  | ---                 | 0.1                 | 96.4               | 70              | 130  |
| Zinc                                              | 0.005 mg/L  | <0.005              | ---                 | ---                | ---             | ---  |
|                                                   | 0.005 mg/L  | ---                 | 0.1                 | 102                | 70              | 130  |
| EG020T: Total Metals by ICP-MS - (QC Lot: 48906 ) |             |                     |                     |                    |                 |      |
| Arsenic                                           | 0.001 mg/L  | mg/L                | mg/L                | %                  | %               | %    |
|                                                   | 0.001 mg/L  | <0.001              | ---                 | ---                | ---             | ---  |
|                                                   | 0.001 mg/L  | ---                 | 0.1                 | 92.8               | 70              | 130  |
| Cadmium                                           | 0.0001 mg/L | <0.0001             | ---                 | ---                | ---             | ---  |
|                                                   | 0.0001 mg/L | ---                 | 0.1                 | 97.8               | 70              | 130  |
| Copper                                            | 0.001 mg/L  | <0.001              | ---                 | ---                | ---             | ---  |
|                                                   | 0.001 mg/L  | ---                 | 0.1                 | 96.0               | 70              | 130  |
| Lead                                              | 0.001 mg/L  | <0.001              | ---                 | ---                | ---             | ---  |
|                                                   | 0.001 mg/L  | ---                 | 0.1                 | 100                | 70              | 130  |
| Nickel                                            | 0.001 mg/L  | <0.001              | ---                 | ---                | ---             | ---  |
|                                                   | 0.001 mg/L  | ---                 | 0.1                 | 97.0               | 70              | 130  |
| Zinc                                              | 0.005 mg/L  | <0.005              | ---                 | ---                | ---             | ---  |
|                                                   | 0.005 mg/L  | ---                 | 0.1                 | 100                | 70              | 130  |
| EG035T: Total Mercury by FIMS                     |             |                     |                     |                    |                 |      |
| EG035T: Total Mercury by FIMS - (QC Lot: 50078 )  |             |                     |                     |                    |                 |      |
| Mercury                                           | 0.0001 mg/L | mg/L                | mg/L                | %                  | %               | %    |
|                                                   | 0.0001 mg/L | <0.0001             | ---                 | ---                | ---             | ---  |
|                                                   | 0.0001 mg/L | ---                 | 0.010               | 103                | 70              | 130  |
| EG035T: Total Mercury by FIMS - (QC Lot: 50079 )  |             |                     |                     |                    |                 |      |
| Mercury                                           | 0.0001 mg/L | mg/L                | mg/L                | %                  | %               | %    |
|                                                   | 0.0001 mg/L | <0.0001             | ---                 | ---                | ---             | ---  |
|                                                   | 0.0001 mg/L | ---                 | 0.010               | 102                | 70              | 130  |



## Matrix Type: WATER Method Blank (MB) and Laboratory Control Samples (LCS) Report

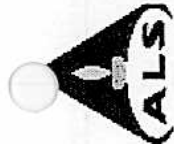
| Analyte name                                                 | LOR                        | Method<br>blank<br>result | Actual Results      |                       | Recovery Limits         |                     |
|--------------------------------------------------------------|----------------------------|---------------------------|---------------------|-----------------------|-------------------------|---------------------|
|                                                              |                            |                           | Spike concentration | Spike Recovery<br>LCS | Dynamic Recovery Limits |                     |
|                                                              |                            |                           |                     |                       | Low                     | High                |
| EG050T: Hexavalent Chromium - Total                          |                            |                           |                     |                       |                         |                     |
| EG050T: Hexavalent Chromium - Total - (QC Lot: 48684 )       |                            | mg/L                      | mg/L                | %                     | %                       | %                   |
| Hexavalent Chromium                                          | 0.010 mg/L<br>0.01 mg/L    | <0.100<br>----            | -----<br>5.0        | -----<br>105          | -----<br>70             | -----<br>130        |
| EK055G: Ammonia as N by Discrete Analyser                    |                            |                           |                     |                       |                         |                     |
| EK055G: Ammonia as N by Discrete Analyser - (QC Lot: 50140 ) |                            | mg/L                      | mg/L                | %                     | %                       | %                   |
| Ammonia as N                                                 | 0.010 mg/L<br>0.01 mg/L    | <0.010<br>----            | -----<br>1.00       | -----<br>113          | -----<br>70             | -----<br>130        |
| EK059G: NOX as N by Discrete Analyser                        |                            |                           |                     |                       |                         |                     |
| EK059G: NOX as N by Discrete Analyser - (QC Lot: 48818 )     |                            | mg/L                      | mg/L                | %                     | %                       | %                   |
| Nitrite + Nitrate as N                                       | 0.01 mg/L<br>0.010 mg/L    | -----<br><0.010           | -----<br>0.96       | -----<br>95.7         | -----<br>70             | -----<br>130        |
| EK061: Total Kjeldahl Nitrogen (TKN)                         |                            |                           |                     |                       |                         |                     |
| EK061: Total Kjeldahl Nitrogen (TKN) - (QC Lot: 48939 )      |                            | mg/L                      | mg/L                | %                     | %                       | %                   |
| Total Kjeldahl Nitrogen as N                                 | 0.1 mg/L<br>0.1 mg/L       | <0.1<br>----              | -----<br>10.0       | -----<br>105          | -----<br>70             | -----<br>130        |
| EP005: Total Organic Carbon (TOC)                            |                            |                           |                     |                       |                         |                     |
| EP005: Total Organic Carbon (TOC) - (QC Lot: 49042 )         |                            | mg/L                      | mg/L                | %                     | %                       | %                   |
| Total Organic Carbon                                         | 1 mg/L<br>1 mg/L           | <1<br>----                | -----<br>10         | -----<br>89.0         | -----<br>70             | -----<br>130        |
| EP005: Total Organic Carbon (TOC) - (QC Lot: 49043 )         |                            | mg/L                      | mg/L                | %                     | %                       | %                   |
| Total Organic Carbon                                         | 1 mg/L<br>1 mg/L           | <1<br>----                | -----<br>5          | -----<br>115          | -----<br>70             | -----<br>130        |
| EP026: Chemical Oxygen Demand (COD)                          |                            |                           |                     |                       |                         |                     |
| EP026: Chemical Oxygen Demand (COD) - (QC Lot: 50060 )       |                            | mg/L                      | mg/L                | %                     | %                       | %                   |
| Chemical Oxygen Demand                                       | 5 mg/L<br>5 mg/L<br>5 mg/L | <5<br>----                | -----<br>100<br>500 | -----<br>100<br>94.0  | -----<br>70<br>70       | -----<br>130<br>130 |
| EP026: Chemical Oxygen Demand (COD) - (QC Lot: 50066 )       |                            | mg/L                      | mg/L                | %                     | %                       | %                   |
| Chemical Oxygen Demand                                       | 5 mg/L<br>5 mg/L<br>5 mg/L | <5<br>----                | -----<br>100<br>500 | -----<br>104<br>92.2  | -----<br>70<br>70       | -----<br>130<br>130 |

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Matrix Type: WATER

Method Blank (MB) and Laboratory Control Samples (LCS) Report

| Analyte name                                                | LOR    | Method blank result | Actual Results      |                    | Recovery Limits |      |
|-------------------------------------------------------------|--------|---------------------|---------------------|--------------------|-----------------|------|
|                                                             |        |                     | Spike concentration | Spike Recovery LCS | Low             | High |
| EP030: Biochemical Oxygen Demand (BOD)                      |        |                     |                     |                    |                 |      |
| EP030: Biochemical Oxygen Demand (BOD) - (QC Lot: 48685 )   |        | mg/L                | mg/L                | %                  | %               | %    |
| Biochemical Oxygen Demand                                   | 2 mg/L | <2                  | ---                 | ---                | ---             | ---  |
|                                                             | 2 mg/L | ---                 | 200                 | 98.5               | 70              | 130  |
| EP030: Biochemical Oxygen Demand (BOD) - (QC Lot: 48686 )   |        | mg/L                | mg/L                | %                  | %               | %    |
| Biochemical Oxygen Demand                                   | 2 mg/L | <2                  | ---                 | ---                | ---             | ---  |
|                                                             | 2 mg/L | ---                 | 200                 | 93.0               | 70              | 130  |
| EP074A: Monocyclic Aromatic Hydrocarbons                    |        |                     |                     |                    |                 |      |
| EP074A: Monocyclic Aromatic Hydrocarbons - (QC Lot: 50458 ) |        | µg/L                | µg/L                | %                  | %               | %    |
| Benzene                                                     | 5 µg/L | <5                  | ---                 | ---                | ---             | ---  |
|                                                             | 5 µg/L | ---                 | 10                  | 113                | 71              | 126  |
| Toluene                                                     | 5 µg/L | <5                  | ---                 | ---                | ---             | ---  |
|                                                             | 5 µg/L | ---                 | 10                  | 118                | 73              | 123  |
| Ethylbenzene                                                | 5 µg/L | <5                  | ---                 | ---                | ---             | ---  |
|                                                             | 5 µg/L | ---                 | 10                  | 94.0               | 74              | 126  |
| meta- & para-Xylene                                         | 5 µg/L | <5                  | ---                 | ---                | ---             | ---  |
|                                                             | 5 µg/L | ---                 | 20                  | 94.8               | 45              | 125  |
| Styrene                                                     | 5 µg/L | <5                  | ---                 | ---                | ---             | ---  |
|                                                             | 5 µg/L | ---                 | 10                  | 94.6               | 76              | 125  |
| ortho-Xylene                                                | 5 µg/L | <5                  | ---                 | ---                | ---             | ---  |
|                                                             | 5 µg/L | ---                 | 10                  | 98.5               | 72              | 125  |
| Isopropylbenzene                                            | 5 µg/L | <5                  | ---                 | ---                | ---             | ---  |
|                                                             | 5 µg/L | ---                 | 10                  | 92.1               | 75              | 125  |
| n-Propylbenzene                                             | 5 µg/L | <5                  | ---                 | ---                | ---             | ---  |
|                                                             | 5 µg/L | ---                 | 10                  | 84.0               | 73              | 123  |
| 1,3,5-Trimethylbenzene                                      | 5 µg/L | <5                  | ---                 | ---                | ---             | ---  |
|                                                             | 5 µg/L | ---                 | 10                  | 84.4               | 76              | 126  |
| sec-Butylbenzene                                            | 5 µg/L | <5                  | ---                 | ---                | ---             | ---  |
|                                                             | 5 µg/L | ---                 | 10                  | 84.4               | 78              | 124  |
| 1,2,4-Trimethylbenzene                                      | 5 µg/L | <5                  | ---                 | ---                | ---             | ---  |
|                                                             | 5 µg/L | ---                 | 10                  | 84.2               | 74              | 123  |
| tert-Butylbenzene                                           | 5 µg/L | <5                  | ---                 | ---                | ---             | ---  |
|                                                             | 5 µg/L | ---                 | 10                  | 87.2               | 72              | 123  |
| p-Isopropyltoluene                                          | 5 µg/L | <5                  | ---                 | ---                | ---             | ---  |
|                                                             | 5 µg/L | ---                 | 10                  | 82.5               | 76              | 126  |
| n-Butylbenzene                                              | 5 µg/L | <5                  | ---                 | ---                | ---             | ---  |
|                                                             | 5 µg/L | ---                 | 10                  | 83.3               | 75              | 128  |



Client : SINCLAIR KNIGHT MERZ  
Project : EN01669

Work Order : ES0501668  
ALS Quote Reference : ----

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Issue Date : 17 Mar 2005

Matrix Type: WATER

Method Blank (MB) and Laboratory Control Samples (LCS) Report

| Analyte name                                    |         | LOR  | Method<br>blank<br>result | Actual Results      |                       | Recovery Limits                |      |
|-------------------------------------------------|---------|------|---------------------------|---------------------|-----------------------|--------------------------------|------|
|                                                 |         |      |                           | Spike concentration | Spike Recovery<br>LCS | Dynamic Recovery Limits<br>Low | High |
|                                                 |         |      |                           |                     |                       |                                |      |
| EP074B: Oxygenated Compounds                    |         |      |                           |                     |                       |                                |      |
| EP074B: Oxygenated Compounds - (QC Lot: 50458 ) |         |      |                           |                     |                       |                                |      |
| Vinyl Acetate                                   | 50 µg/L | <50  | µg/L                      | %                   | %                     | %                              | %    |
|                                                 | 50 µg/L | ---- | 100                       | 95.6                | 70                    | 125                            | 125  |
| 2-Butanone (MEK)                                | 50 µg/L | <50  | µg/L                      | %                   | %                     | %                              | %    |
|                                                 | 50 µg/L | ---- | 100                       | 111                 | 70                    | 130                            | 130  |
| 4-Methyl-2-pentanone (MIBK)                     | 50 µg/L | <50  | µg/L                      | %                   | %                     | %                              | %    |
|                                                 | 50 µg/L | ---- | 100                       | 108                 | 70                    | 130                            | 130  |
| 2-Hexanone (MBK)                                | 50 µg/L | <50  | µg/L                      | %                   | %                     | %                              | %    |
|                                                 | 50 µg/L | ---- | 100                       | 115                 | 72                    | 125                            | 125  |
| EP074C: Sulfonated Compounds                    |         |      |                           |                     |                       |                                |      |
| EP074C: Sulfonated Compounds - (QC Lot: 50458 ) |         |      |                           |                     |                       |                                |      |
| Carbon disulfide                                | 5 µg/L  | <5   | µg/L                      | %                   | %                     | %                              | %    |
|                                                 | 5 µg/L  | ---- | 10                        | 111                 | 76                    | 126                            | 126  |
| EP074D: Fumigants                               |         |      |                           |                     |                       |                                |      |
| EP074D: Fumigants - (QC Lot: 50458 )            |         |      |                           |                     |                       |                                |      |
| 2,2-Dichloropropane                             | 5 µg/L  | <5   | µg/L                      | %                   | %                     | %                              | %    |
|                                                 | 5 µg/L  | ---- | 10                        | 107                 | 76                    | 126                            | 126  |
| 1,2-Dichloropropane                             | 5 µg/L  | <5   | µg/L                      | %                   | %                     | %                              | %    |
|                                                 | 5 µg/L  | ---- | 10                        | 100                 | 76                    | 126                            | 126  |
| cis-1,3-Dichloropropylene                       | 5 µg/L  | <5   | µg/L                      | %                   | %                     | %                              | %    |
|                                                 | 5 µg/L  | ---- | 20                        | 93.9                | 72                    | 125                            | 125  |
| trans-1,3-Dichloropropylene                     | 5 µg/L  | <5   | µg/L                      | %                   | %                     | %                              | %    |
|                                                 | 5 µg/L  | ---- | 20                        | 101                 | 73                    | 128                            | 128  |
| 1,2-Dibromoethane (EDB)                         | 5 µg/L  | <5   | µg/L                      | %                   | %                     | %                              | %    |
|                                                 | 5 µg/L  | ---- | 10                        | 110                 | 72                    | 126                            | 126  |