



# Certificate of Analysis

## Custom Standard (LongL ICAL-20mg/L)

Product Number: CUS-10570-6

Page: 1 of 4

Lot Number: CH-3183

Lot Issue Date: 29-Sep-2011

Expiration Date: 31-Oct-2013

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| Analyte                   | CAS#        | Analyte Lot | True Value       |
|---------------------------|-------------|-------------|------------------|
| cyclohexene               | 000110-83-8 | 07118EH     | 20.1 ± 0.1 µg/mL |
| bromoform                 | 000075-25-2 | 12312KC     | 20.1 ± 0.1 µg/mL |
| carbon tetrachloride      | 000056-23-5 | 01704MF     | 20.1 ± 0.1 µg/mL |
| chloroform                | 000067-66-3 | 05143MN     | 20.1 ± 0.1 µg/mL |
| dibromochloromethane      | 000124-48-1 | MU-07705AN  | 20.1 ± 0.1 µg/mL |
| bromodichloromethane      | 000075-27-4 | 10529HD     | 20.1 ± 0.1 µg/mL |
| 1,1-dichloroethane        | 000075-34-3 | 64552/1     | 20.1 ± 0.1 µg/mL |
| 1,2-dichloroethane        | 000107-06-2 | KN-09446KN  | 20.1 ± 0.1 µg/mL |
| 1,1-dichloroethene        | 000075-35-4 | 02226CH     | 20.1 ± 0.1 µg/mL |
| trans-1,2-dichloroethene  | 000156-60-5 | 01306HD     | 20.1 ± 0.1 µg/mL |
| dichloromethane           | 000075-09-2 | 48248       | 20.1 ± 0.1 µg/mL |
| 1,2-dichloropropane       | 000078-87-5 | DC-120777   | 20.1 ± 0.1 µg/mL |
| cis-1,3-dichloropropene   | 010061-01-5 | PR031010-01 | 20.1 ± 0.1 µg/mL |
| trans-1,3-dichloropropene | 010061-02-6 | SR101007-01 | 20.1 ± 0.1 µg/mL |
| 1,1,2,2-tetrachloroethane | 000079-34-5 | 10917TB     | 20.1 ± 0.1 µg/mL |
| 1,1,1-trichloroethane     | 000071-55-6 | RM00027     | 20.1 ± 0.1 µg/mL |
| 1,1,2-trichloroethane     | 000079-00-5 | JB-0701HH   | 20.1 ± 0.1 µg/mL |
| benzene                   | 000071-43-2 | 34097       | 20.1 ± 0.1 µg/mL |
| bromobenzene              | 000108-86-1 | CG-02513MF  | 20.1 ± 0.1 µg/mL |

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|                        |             |            |                  |
|------------------------|-------------|------------|------------------|
| bromochloromethane     | 000074-97-5 | JS-16045HS | 20.1 ± 0.1 µg/mL |
| sec-butylbenzene       | 000135-98-8 | 07610JE    | 20.1 ± 0.1 µg/mL |
| chlorobenzene          | 000108-90-7 | 07774MG    | 20.1 ± 0.1 µg/mL |
| 4-chlorotoluene        | 000106-43-4 | 03327TH    | 20.1 ± 0.1 µg/mL |
| dibromomethane         | 000074-95-3 | EM-01514TJ | 20.1 ± 0.1 µg/mL |
| 1,2-dichlorobenzene    | 000095-50-1 | 08946KY    | 20.1 ± 0.1 µg/mL |
| 1,3-dichlorobenzene    | 000541-73-1 | JN-05902LZ | 20.1 ± 0.1 µg/mL |
| 1,4-dichlorobenzene    | 000106-46-7 | 22628EB    | 20.1 ± 0.1 µg/mL |
| 2,2-dichloropropane    | 000594-20-7 | 03503TD    | 20.1 ± 0.1 µg/mL |
| ethylbenzene           | 000100-41-4 | RM00783    | 20.1 ± 0.1 µg/mL |
| isopropylbenzene       | 000098-82-8 | RM00835    | 20.1 ± 0.1 µg/mL |
| tetrachloroethene      | 000127-18-4 | PS-00344BR | 20.1 ± 0.1 µg/mL |
| toluene                | 000108-88-3 | RM01216    | 20.1 ± 0.1 µg/mL |
| 1,2,3-trichlorobenzene | 000087-61-6 | 12912PF    | 20.1 ± 0.1 µg/mL |
| 1,2,4-trichlorobenzene | 000120-82-1 | 00334TQ    | 20.1 ± 0.1 µg/mL |
| trichloroethene        | 000079-01-6 | KN-08846KN | 20.1 ± 0.1 µg/mL |
| o-xylene               | 000095-47-6 | DO-06834CO | 20.1 ± 0.1 µg/mL |
| hexachlorobutadiene    | 000087-68-3 | 339923/1   | 20.0 ± 0.1 µg/mL |
| naphthalene            | 000091-20-3 | 14205KB    | 20.1 ± 0.1 µg/mL |


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|                             |             |             |                   |
|-----------------------------|-------------|-------------|-------------------|
| 2-chlorotoluene             | 000095-49-8 | KZ-03621HX  | 20.1 ± 0.1 µg/mL  |
| 1,2-dibromoethane           | 000106-93-4 | TB-101777   | 20.1 ± 0.1 µg/mL  |
| cis-1,2-dichloroethene      | 000156-59-2 | RM01073     | 20.1 ± 0.1 µg/mL  |
| m-xylene                    | 000108-38-3 | DI-00459CI  | 20.1 ± 0.1 µg/mL  |
| styrene                     | 000100-42-5 | LR-11228MQ  | 20.1 ± 0.1 µg/mL  |
| 1,2,3-trichloropropane      | 000096-18-4 | 01610KH     | 20.1 ± 0.1 µg/mL  |
| 1,2,4-trimethylbenzene      | 000095-63-6 | BO-13528BI  | 20.1 ± 0.1 µg/mL  |
| n-butylbenzene              | 000104-51-8 | AA-28519CO  | 20.1 ± 0.1 µg/mL  |
| tert-butylbenzene           | 000098-06-6 | MQ-04010MQ  | 20.1 ± 0.1 µg/mL  |
| 1,2-dibromo-3-chloropropane | 000096-12-8 | FBL-01      | 20.1 ± 0.1 µg/mL  |
| 1,3-dichloropropane         | 000142-28-9 | PR-17916MR  | 20.1 ± 0.1 µg/mL  |
| 1,1-dichloropropene         | 000563-58-6 | PR111308-01 | 20.1 ± 0.1 µg/mL  |
| 4-isopropyltoluene          | 000099-87-6 | PP-05104CP  | 20.1 ± 0.1 µg/mL  |
| n-propylbenzene             | 000103-65-1 | 14503MR     | 20.1 ± 0.1 µg/mL  |
| 1,1,1,2-tetrachloroethane   | 000630-20-6 | 10312DD     | 20.1 ± 0.1 µg/mL  |
| 1,3,5-trimethylbenzene      | 000108-67-8 | KM-02011HM  | 20.1 ± 0.1 µg/mL  |
| p-xylene                    | 000106-42-3 | 03747LN     | 20.1 ± 0.1 µg/mL  |
| acetone                     | 000067-64-1 | 1003498     | 100.3 ± 0.5 µg/mL |
| 2-butanone                  | 000078-93-3 | 13683PC     | 100.3 ± 0.5 µg/mL |


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|                      |             |            |                   |
|----------------------|-------------|------------|-------------------|
| 4-methyl-2-pentanone | 000108-10-1 | 04153EC    | 100.3 ± 0.5 µg/mL |
| 2-hexanone           | 000591-78-6 | 12007DD    | 100.3 ± 0.5 µg/mL |
| iodomethane          | 000074-88-4 | BS-09920HR | 100.3 ± 0.5 µg/mL |
| carbon disulfide     | 000075-15-0 | AI-12071LU | 100.3 ± 0.5 µg/mL |
| acetonitrile         | 000075-05-8 | RM01645    | 501.5 ± 2.5 µg/mL |
| MTBE                 | 001634-04-4 | 45123      | 20.1 ± 0.1 µg/mL  |
| cyclohexane          | 000110-82-7 | 44114      | 20.1 ± 0.1 µg/mL  |
| methylcyclohexane    | 000108-87-2 | DR-00844CR | 20.1 ± 0.1 µg/mL  |
| methyl acetate       | 000079-20-9 | NT02091    | 100.3 ± 0.5 µg/mL |
| 1-butanol            | 000071-36-3 | RM01813    | 2006 ± 10 µg/mL   |

**Matrix:** methanol (purge & trap grade)

**Storage:** Store at < 4° C

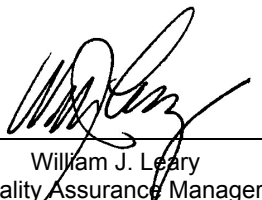
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