

Name of Laboratory : Environmental Research and Training Center,  
Department of Environmental Quality Promotion

Address : 34 Moo 3, Technopolis, Tambon Klong 5, Amphoe Klong Luang,  
Changwat Pathumthani 12120

Accreditation Number : Testing – 0019

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Initial Issue Date : 25<sup>th</sup> September 2007

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Expired Date : 26<sup>th</sup> February 2027

Standard : ISO/IEC 17025:2017

Reference No. : 0303/3313

## Scope of Testing Laboratory Accreditation

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Accreditation Number : Testing - 0019

Laboratory Status :  Permanent  Site  Temporary  Mobile

Item Number	Test Material / Product	Test Item / Range of Testing	Test Method / Technique Used
1	Water	- Nitrite as Nitrogen 0.010 mg/L to 1.0 mg/L  - Nitrate as Nitrogen 0.050 mg/L to 2.0 mg/L  - Total suspended solids dried at 103 °C to 105 °C 10 mg/L to 5 000 mg/L	In - house method : WI-9-1-S1001 based on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23 <sup>rd</sup> ed., 2017, part 4500 - NO <sub>2</sub> <sup>-</sup> B  In - house method : WI-9-1-S1002 based on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23 <sup>rd</sup> ed., 2017, part 4500 - NO <sub>3</sub> <sup>-</sup> B  In - house method : WI-9-1-S4002 based on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23 <sup>rd</sup> ed., 2017, part 2540 D

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Issue Number 10

Bureau of Laboratory Accreditation, Department of Science Service, Ministry of Higher Education, Science, Research and Innovation

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Item Number	Test Material / Product	Test Item / Range of Testing	Test Method / Technique Used
1 (cont.)	Water	- Total solids dried at 103 °C to 105 °C 100 mg/L to 10 000 mg/L  - Total dissolved solids dried at 180 °C 100 mg/L to 5 000 mg/L  - Total phosphorus 0.050 mg/L to 0.90 mg/L	In - house method : WI-9-1-S4001 based on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23 <sup>rd</sup> ed., 2017, part 2540 B  Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23 <sup>rd</sup> ed., 2017, part 2540 C  In - house method : WI-9-1-S1003 based on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23 <sup>rd</sup> ed., 2017, part 4500 - P B, part 4500 - P E

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Item Number	Test Material / Product	Test Item / Range of Testing	Test Method / Technique Used
1 (cont.)	Water	- Total nitrogen 0.050 mg/L to 5.0 mg/L  - Alkalinity (Calculated as CaCO <sub>3</sub> ) 20 mg/L to 500 mg/L  - COD 40 mg/L to 400 mg/L	In - house method : WI-9-1-S1004 based on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23 <sup>rd</sup> ed., 2017, part 4500 - N C, part 4500 - NO <sub>3</sub> <sup>-</sup> B  In - house method : WI-9-1-S6001 based on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23 <sup>rd</sup> ed., 2017, part 2320 B  In - house method : WI-9-1-S2003 based on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23 <sup>rd</sup> ed., 2017, part 5220 C

Initial Issued Date 25<sup>th</sup> September 2007

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Item Number	Test Material / Product	Test Item / Range of Testing	Test Method / Technique Used
1 (cont.)	Water	- Hardness (Calculated as CaCO <sub>3</sub> ) 20 mg/L to 500 mg/L  - Chloride 10 mg/L to 500 mg/L  - Cadmium 0.010 mg/L to 5.0 mg/L  - Total chromium 0.010 mg/L to 5.0 mg/L  - Manganese 0.010 mg/L to 5.0 mg/L	In - house method : WI-9-1-S6003 based on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23 <sup>rd</sup> ed., 2017, part 2340 C  In - house method : WI-9-1-S7002 based on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23 <sup>rd</sup> ed., 2017, part 4500 - Cl <sup>-</sup> B  In - house method : WI-9-1-S3002 based on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23 <sup>rd</sup> ed., 2017, part 3120 B, 3030 E

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Item Number	Test Material / Product	Test Item / Range of Testing	Test Method / Technique Used
1 (cont.)	Water	- Copper 0.010 mg/L to 5.0 mg/L - Lead 0.030 mg/L to 5.0 mg/L - Iron 0.050 mg/L to 5.0 mg/L - Magnesium 1.0 mg/L to 50 mg/L - Barium 0.015 mg/L to 5.0 mg/L - Nickel 0.030 mg/L to 5.0 mg/L - Zinc 0.040 mg/L to 5.0 mg/L - Cobalt 0.010 mg/L to 5.0 mg/L	In - house method : WI-9-1-S3002 based on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23 <sup>rd</sup> ed., 2017, part 3120 B, 3030 E

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1 (cont.)	Water	- Selenium 0.10 mg/L to 5.0 mg/L - Arsenic 0.050 mg/L to 5.0 mg/L - Boron 0.050 mg/L to 5.0 mg/L - Molybdenum 0.10 mg/L to 5.0 mg/L	In - house method : WI-9-1-S3002 based on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23 <sup>rd</sup> ed., 2017, part 3120 B, 3030 E
2	Wastewater	- Nitrite as Nitrogen 0.010 mg/L to 1.0 mg/L	In - house method : WI-9-1-S1001 based on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23 <sup>rd</sup> ed., 2017, part 4500 - NO <sub>2</sub> <sup>-</sup> B

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2 (cont.)	Wastewater	- Nitrate as Nitrogen 0.050 mg/L to 2.0 mg/L  - Total suspended solids dried at 103 °C to 105 °C 10 mg/L to 5 000 mg/L  - Total solids dried at 103 °C to 105 °C 100 mg/L to 10 000 mg/L	In - house method : WI-9-1-S1002 based on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23 <sup>rd</sup> ed., 2017, part 4500 - NO <sub>3</sub> <sup>-</sup> B  In - house method : WI-9-1-S4002 based on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23 <sup>rd</sup> ed., 2017, part 2540 D  In - house method : WI-9-1-S4001 based on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23 <sup>rd</sup> ed., 2017, part 2540 B

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2 (cont.)	Wastewater	- Total dissolved solids dried at 180 °C 100 mg/L to 5 000 mg/L  - Total phosphorus 0.050 mg/L to 0.90 mg/L  - Total nitrogen 0.050 mg/L to 5.0 mg/L	Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23 <sup>rd</sup> ed., 2017, part 2540 C  In - house method : WI-9-1-S1003 based on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23 <sup>rd</sup> ed., 2017, part 4500 - P B, part 4500 - P E  In - house method : WI-9-1-S1004 based on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23 <sup>rd</sup> ed., 2017, part 4500 - N C, part 4500 - NO <sub>3</sub> <sup>-</sup> B

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2 (cont.)	Wastewater	- Alkalinity (Calculated as CaCO <sub>3</sub> ) 20 mg/L to 500 mg/L  - COD 40 mg/L to 400 mg/L  - Hardness (Calculated as CaCO <sub>3</sub> ) 20 mg/L to 500 mg/L	In - house method : WI-9-1-S6001 based on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23 <sup>rd</sup> ed., 2017, part 2320 B  In - house method : WI-9-1-S2003 based on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23 <sup>rd</sup> ed., 2017, part 5220 C  In - house method : WI-9-1-S6003 based on Standard methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23 <sup>rd</sup> ed., 2017, part 2340 C

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2 (cont.)	Wastewater	- Chloride 10 mg/L to 500 mg/L  - Cadmium 0.010 mg/L to 5.0 mg/L  - Total Chromium 0.010 mg/L to 5.0 mg/L  - Manganese 0.010 mg/L to 5.0 mg/L  - Copper 0.010 mg/L to 5.0 mg/L  - Lead 0.030 mg/L to 5.0 mg/L	In - house method : WI-9-1-S7002 based on Standard methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23 <sup>rd</sup> ed., 2017, part 4500-Cl <sup>-</sup> B  In - house method : WI-9-1-S3002 based on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23 <sup>rd</sup> ed., 2017, part 3120 B, 3030 E

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2 (cont.)	Wastewater	- Iron 0.050 mg/L to 5.0 mg/L  - Magnesium 1.0 mg/L to 50 mg/L  - Barium 0.015 mg/L to 5.0 mg/L  - Nickel 0.030 mg/L to 5.0 mg/L  - Zinc 0.040 mg/L to 5.0 mg/L  - Cobalt 0.010 mg/L to 5.0 mg/L  - Selenium 0.10 mg/L to 5.0 mg/L	In - house method : WI-9-1-S3002  based on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23 <sup>rd</sup> ed., 2017, part 3120 B, 3030 E

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2 (cont.)	Wastewater	- Arsenic 0.050 mg/L to 5.0 mg/L  - Boron 0.050 mg/L to 5.0 mg/L  - Molybdenum 0.10 mg/L to 5.0 mg/L	In - house method : WI-9-1-S3002  based on Standard Methods for the Examination of Water and Wastewater, APHA, AWWA & WEF, 23 <sup>rd</sup> ed., 2017, part 3120 B, 3030 E
3	Ground water	Volatile Organic Compounds  - 1,2-Dichloroethane  - <i>cis</i> - 1,2-Dichloroethylene  - Carbon tetrachloride  - Tetrachloroethylene  - Trichloroethylene  3.0 µg/L to 50 µg/L	In - house method : WI-9-1-G1001  based on United State Environmental Protection Agency, 2018, EPA Method 8260 D, Revision 4

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3 (cont.)	Ground water	Volatile Organic Compounds - <i>trans</i> - 1,2-Dichloroethylene - 1,1,1,- Trichloroethane - Benzene - 1,1,2- Trichloroethane - Styrene - 1,1-Dichloroethylene 3.0 µg/L to 50 µg/L	In - house method : WI-9-1-G1001 based on United State Environmental Protection Agency, 2018, EPA Method 8260 D, Revision 4
4	Surface water	- Bromide - Phosphate - Sulfate - Nitrate 1.0 mg/L to 50 mg/L	In - house method : WI-9-1-S8001 based on United States Environmental Protection Agency, 1993, EPA Method 300.0, Revision 2.1

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5	Rain water	- Mercury 2.0 ng/L to 20 ng/L	In - house method: WI-9-1-A7001 based on Method 1631, Revision E: Mercury in Water by Oxidation, Purge and Trap, and Cold Vapor Atomic Fluorescence Spectrometry, August 2002
6	Ambient air	- Formaldehyde 0.86 $\mu\text{g}/\text{m}^3$ to 38 $\mu\text{g}/\text{m}^3$ - Acetaldehyde 0.90 $\mu\text{g}/\text{m}^3$ to 39 $\mu\text{g}/\text{m}^3$ - Propionaldehyde 0.94 $\mu\text{g}/\text{m}^3$ to 37 $\mu\text{g}/\text{m}^3$ - Benzaldehyde 0.94 $\mu\text{g}/\text{m}^3$ to 35 $\mu\text{g}/\text{m}^3$ - Crotonaldehyde 0.90 $\mu\text{g}/\text{m}^3$ to 38 $\mu\text{g}/\text{m}^3$ - Butylaldehyde 0.86 $\mu\text{g}/\text{m}^3$ to 38 $\mu\text{g}/\text{m}^3$	In - house method : WI-9-1-A2001 based on United States Environmental Protection Agency, 1999, EPA Method TO-11A, 2 <sup>nd</sup> ed. (Include sampling)

Initial Issued Date 25<sup>th</sup> September 2007

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Item Number	Test Material / Product	Test Item / Range of Testing	Test Method / Technique Used
6 (cont.)	Ambient air	PCDDs - 2,3,7,8-TCDD - 1,2,3,7,8-PeCDD 0.02 pg/m <sup>3</sup> to 40 pg/m <sup>3</sup> - 1,2,3,4,7,8-HxCDD - 1,2,3,6,7,8-HxCDD - 1,2,3,7,8,9-HxCDD - 1,2,3,4,6,7,8-HpCDD 0.04 pg/m <sup>3</sup> to 80 pg/m <sup>3</sup> - OCDD 0.1 pg/m <sup>3</sup> to 200 pg/m <sup>3</sup> PCDFs - 2,3,7,8-TCDF - 1,2,3,7,8-PeCDF - 2,3,4,7,8-PeCDF 0.02 pg/m <sup>3</sup> to 40 pg/m <sup>3</sup>	Manual for Examining Dioxin in Ambient air 2008. Office of Dioxin Control Water & Air Quality Management Division Environmental Management Bureau Ministry of the Environment, Japan (Include sampling)

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Item Number	Test Material / Product	Test Item / Range of Testing	Test Method / Technique Used
6 (cont.)	Ambient air	PCDFs - 1,2,3,4,7,8-HxCDF - 1,2,3,6,7,8-HxCDF - 2,3,4,6,7,8-HxCDF - 1,2,3,7,8,9-HxCDF - 1,2,3,4,6,7,8-HpCDF - 1,2,3,4,7,8,9-HpCDF 0.04 pg/m <sup>3</sup> to 80 pg/m <sup>3</sup> - OCDF 0.1 pg/m <sup>3</sup> to 200 pg/m <sup>3</sup> DL-PCBs - 3,3',4,4'-TeCB (#77) - 3,4,4',5-TeCB (#81) - 3,3',4,4',5-PeCB (#126) - 3,3',4,4',5,5'-HxCB(#169) 0.05 pg/m <sup>3</sup> to 20 pg/m <sup>3</sup>	Manual for Examining Dioxin in Ambient air 2008. Office of Dioxin Control Water & Air Quality Management Division Environmental Management Bureau Ministry of the Environment, Japan (Include sampling)

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6 (cont.)	Ambient air	DL-PCBs - 2,3,3',4,4'-PeCB (#105) - 2,3,4,4',5-PeCB (#114) - 2,3',4,4',5-PeCB (#118) - 2',3,4,4',5-PeCB (#123) - 2,3,3',4,4',5-HxCB (#156) - 2,3,3',4,4',5'-HxCB (#157) - 2,3',4,4',5,5'-HxCB (#167) - 2,3,3',4,4',5,5'-HpCB (#189) 0.05 pg/m <sup>3</sup> to 20 pg/m <sup>3</sup> - Total (PCDDs + PCDFs + DL-PCBs) 0 pg-TEQ/m <sup>3</sup> to 158 pg-TEQ/m <sup>3</sup>	Manual for Examining Dioxin in Ambient air 2008. Office of Dioxin Control Water & Air Quality Management Division Environmental Management Bureau Ministry of the Environment, Japan (Include sampling)

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6 (cont.)	Ambient air	PCDDs - 2,3,7,8-TCDD - 1,2,3,7,8-PeCDD 0.02 ng/batch to 40 ng/batch  - 1,2,3,4,7,8-HxCDD - 1,2,3,6,7,8-HxCDD - 1,2,3,7,8,9-HxCDD - 1,2,3,4,6,7,8-HpCDD 0.04 ng/batch to 80 ng/batch  - OCDD 0.1 ng/batch to 200 ng/batch  PCDFs - 2,3,7,8-TCDF - 1,2,3,7,8-PeCDF - 2,3,4,7,8-PeCDF 0.02 ng/batch to 40 ng/batch	In - house method : WI-9-1-D1001 based on Manual for Examining Dioxin in Ambient air 2008. Office of Dioxin Control Water & Air Quality Management Division Environmental Management Bureau Ministry of the Environment, Japan (Exclude sampling)

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6 (cont.)	Ambient air	PCDFs - 1,2,3,4,7,8-HxCDF - 1,2,3,6,7,8-HxCDF - 2,3,4,6,7,8-HxCDF - 1,2,3,7,8,9-HpCDF - 1,2,3,4,6,7,8-HpCDF - 1,2,3,4,7,8,9-HpCDF 0.04 ng/batch to 80 ng/batch - OCDF 0.1 ng/batch to 200 ng/batch DL-PCBs - 3,3',4,4'-TeCB (#77) - 3,4,4',5-TeCB (#81) - 3,3',4,4',5-PeCB (#126) - 3,3',4,4',5,5'-HxCB(#169) 0.05 ng/batch to 20 ng/batch	In - house method : WI-9-1-D1001 based on Manual for Examining Dioxin in Ambient air 2008. Office of Dioxin Control Water & Air Quality Management Division Environmental Management Bureau Ministry of the Environment, Japan (Exclude sampling)

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Item Number	Test Material / Product	Test Item / Range of Testing	Test Method / Technique Used
6 (cont.)	Ambient air	DL-PCBs - 2,3,3',4,4'-PeCB (#105) - 2,3,4,4',5-PeCB (#114) - 2,3',4,4',5-PeCB (#118) - 2',3,4,4',5-PeCB (#123) - 2,3,3',4,4',5-HxCB (#156) - 2,3,3',4,4',5'-HxCB (#157) - 2,3',4,4',5,5'-HxCB (#167) - 2,3,3',4,4',5,5'-HpCB (#189) 0.05 ng/batch to 20 ng/batch - Total (PCDDs + PCDFs + DL-PCBs) 0 ng-TEQ/batch to 158 ng-TEQ/batch	In - house method : WI-9-1-D1001 based on Manual for Examining Dioxin in Ambient air 2008. Office of Dioxin Control Water & Air Quality Management Division Environmental Management Bureau Ministry of the Environment, Japan (Exclude sampling)

Initial Issued Date 25<sup>th</sup> September 2007

Issue Number 10

Bureau of Laboratory Accreditation, Department of Science Service, Ministry of Higher Education, Science, Research and Innovation

### Scope of Testing Laboratory Accreditation

Laboratory Name : Environmental Research and Training Center,

Department of Environmental Quality Promotion

Address : 34 Moo 3, Technopolis, Tambon Klong 5, Amphoe Klong Luang,

Changwat Pathumthani 12120

Accreditation Number : Testing - 0019

Laboratory Status :  Permanent     Site     Temporary     Mobile

Item Number	Test Material / Product	Test Item / Range of Testing	Test Method / Technique Used
6 (cont.)	Ambient air	Volatile Organic Compounds - Vinyl chloride 1.3 µg/m <sup>3</sup> to 64 µg/m <sup>3</sup> - 1,3-Butadiene 1.1 µg/m <sup>3</sup> to 55 µg/m <sup>3</sup> - Ethyl Chloride 1.3 µg/m <sup>3</sup> to 66 µg/m <sup>3</sup> - Dichloromethane 1.7 µg/m <sup>3</sup> to 87 µg/m <sup>3</sup> - Chloroform 2.4 µg/m <sup>3</sup> to 122 µg/m <sup>3</sup> - Benzene 1.6 µg/m <sup>3</sup> to 80 µg/m <sup>3</sup> - 1,2-Dichloroethane 2.0 µg/m <sup>3</sup> to 101 µg/m <sup>3</sup> - Trichloroethylene 2.7 µg/m <sup>3</sup> to 134 µg/m <sup>3</sup>	United States Environmental Protection Agency, 1999, Compendium Method TO-15, 2 <sup>nd</sup> ed. (Include sampling)

Initial Issued Date 25<sup>th</sup> September 2007

Issue Number 10

Bureau of Laboratory Accreditation, Department of Science Service, Ministry of Higher Education, Science, Research and Innovation

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Laboratory Status :  Permanent     Site     Temporary     Mobile

Item Number	Test Material / Product	Test Item / Range of Testing	Test Method / Technique Used
6 (cont.)	Ambient air	Volatile Organic Compounds - 1,2-Dichloropropane 2.3 µg/m <sup>3</sup> to 116 µg/m <sup>3</sup> - Toluene 1.9 µg/m <sup>3</sup> to 94 µg/m <sup>3</sup> - Tetrachloroethylene 3.4 µg/m <sup>3</sup> to 170 µg/m <sup>3</sup> - Ethylbenzene 2.2 µg/m <sup>3</sup> to 108 µg/m <sup>3</sup> - <i>m + p</i> -Xylene 2.2 µg/m <sup>3</sup> to 109 µg/m <sup>3</sup> - <i>o</i> -Xylene 2.2 µg/m <sup>3</sup> to 109 µg/m <sup>3</sup> - Bromoform 5.2 µg/m <sup>3</sup> to 258 µg/m <sup>3</sup> - Chloromethane 1.0 µg/m <sup>3</sup> to 52 µg/m <sup>3</sup> - Bromomethane 1.9 µg/m <sup>3</sup> to 97 µg/m <sup>3</sup>	United States Environmental Protection Agency, 1999, Compendium Method TO-15, 2 <sup>nd</sup> ed. (Include sampling)

Initial Issued Date 25<sup>th</sup> September 2007

Issue Number 10

Bureau of Laboratory Accreditation, Department of Science Service, Ministry of Higher Education, Science, Research and Innovation

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Item Number	Test Material / Product	Test Item / Range of Testing	Test Method / Technique Used
6 (cont.)	Ambient air	Volatile Organic Compounds - Hexane 1.8 µg/m <sup>3</sup> to 88 µg/m <sup>3</sup> - Carbon tetrachloride 3.1 µg/m <sup>3</sup> to 157 µg/m <sup>3</sup> - 1,2- Dibromomethane 3.8 µg/m <sup>3</sup> to 192 µg/m <sup>3</sup> - Pentane 1.5 µg/m <sup>3</sup> to 74 µg/m <sup>3</sup> - 2-Propenal 1.1 µg/m <sup>3</sup> to 57 µg/m <sup>3</sup> - Carbon disulfide 1.6 µg/m <sup>3</sup> to 78 µg/m <sup>3</sup> - Acetone 1.2 µg/m <sup>3</sup> to 59 µg/m <sup>3</sup> - 2-Butanone 1.5 µg/m <sup>3</sup> to 74 µg/m <sup>3</sup>	United States Environmental Protection Agency, 1999, Compendium Method TO-15, 2 <sup>nd</sup> ed. (Include sampling)

Initial Issued Date 25<sup>th</sup> September 2007

Issue Number 10

Bureau of Laboratory Accreditation, Department of Science Service, Ministry of Higher Education, Science, Research and Innovation



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Accreditation Number : Testing - 0019

Laboratory Status :  Permanent  Site  Temporary  Mobile

Item Number	Test Material / Product	Test Item / Range of Testing	Test Method / Technique Used
7	- Soil - Sediment	PCDDs  - 2,3,7,8-TCDD - 1,2,3,7,8-PeCDD  1 pg/g to 500 pg/g  - 1,2,3,4,7,8-HxCDD - 1,2,3,6,7,8-HxCDD - 1,2,3,7,8,9-HxCDD - 1,2,3,4,6,7,8-HpCDD  2 pg/g to 2 500 pg/g  - OCDD  5 pg/g to 2 500 pg/g	In - house method : WI-9-1-D1002 based on United States Environmental Protection Agency, 2010, EPA, Method 1613, Revision B, October 1994 and Method 1668C, April 2010

Initial Issued Date 25<sup>th</sup> September 2007

Issue Number 10

Bureau of Laboratory Accreditation, Department of Science Service, Ministry of Higher Education, Science, Research and Innovation

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Item Number	Test Material / Product	Test Item / Range of Testing	Test Method / Technique Used
7 (cont.)	<ul style="list-style-type: none"> <li>- Soil</li> <li>- Sediment</li> </ul>	<p>PCDFs</p> <ul style="list-style-type: none"> <li>- 2,3,7,8-TCDF</li> <li>- 1,2,3,7,8-PeCDF</li> <li>- 2,3,4,7,8-PeCDF</li> </ul> <p style="padding-left: 20px;">1 pg/g to 500 pg/g</p> <p>PCDFs</p> <ul style="list-style-type: none"> <li>- 1,2,3,4,7,8-HxCDF</li> <li>- 1,2,3,6,7,8-HxCDF</li> <li>- 1,2,3,7,8,9-HxCDF</li> <li>- 2,3,4,6,7,8-HxCDF</li> <li>- 1,2,3,4,6,7,8-HpCDF</li> <li>- 1,2,3,4,7,8,9-HpCDF</li> </ul> <p style="padding-left: 20px;">2 pg/g to 1 000 pg/g</p> <ul style="list-style-type: none"> <li>- OCDF</li> </ul> <p style="padding-left: 20px;">5 pg/g to 2 500 pg/g</p>	<p>In - house method : WI-9-1-D1002 based on United States Environmental Protection Agency, 2010, EPA, Method 1613, Revision B, October 1994 and Method 1668C, April 2010</p>

Initial Issued Date 25<sup>th</sup> September 2007

Issue Number 10

Bureau of Laboratory Accreditation, Department of Science Service, Ministry of Higher Education, Science, Research and Innovation

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Item Number	Test Material / Product	Test Item / Range of Testing	Test Method / Technique Used
7 (cont.)	- Soil - Sediment	DL-PCBs - 3,3',4,4'-TeCB (#77) - 3,4,4',5-TeCB (#81) - 3,3',4,4',5-PeCB (#126) - 3,3',4,4',5,5'-HxCB(#169) - 2,3,3',4,4'-PeCB (#105) - 2,3,4,4',5-PeCB (#114) - 2,3',4,4'5-PeCB (#118) - 2',3,4,4'5-PeCB (#123) - 2,3,3',4,4',5-HxCB (#156) - 2,3,3',4,4'5'-HxCB (#157) - 2,3',4,4'5,5'-HxCB (#167) - 2,3,3',4,4',5,5'-HpCB (#189) 2.5 pg/g to 1 000 pg/g - Total (PCDDs + PCDFs + DL-PCBs) 0 pg-TEQ/g to 2 077 pg-TEQ/g	In - house method : WI-9-1-D1002 based on United States Environmental Protection Agency, 2010, EPA, Method 1613, Revision B, October 1994 and Method 1668C, April 2010

Initial Issued Date 25<sup>th</sup> September 2007

Issue Number 10

Bureau of Laboratory Accreditation, Department of Science Service, Ministry of Higher Education, Science, Research and Innovation

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Laboratory Status :  Permanent     Site     Temporary     Mobile

Item Number	Test Material / Product	Test Item / Range of Testing	Test Method / Technique Used
8	Environmental noise	- Sound level Equivalent sound level $L_{eq,T}$ 30 dB(A) to 125 dB(A) Maximum sound level $L_{max}$ 30 dB(A) to 125 dB(A)  - Noise level Background noise level $L_{90}$ 30 dB(A) to 120 dB(A) Non nuisance period noise level $L_{eq,T}$ 30 dB(A) to 120 dB(A) nuisance period noise level $L_{eq,T}$ 30 dB(A) to 120 dB(A) Noise level 0.1 dB (A) to 40 dB (A)	In - house method : WI-9-1-A6001 based on ISO 1996-2 : 2017          In - house method : WI-9-1-A6002 based on Notification of the Pollution Control Board, Method of measuring the background noise level, non nuisance period noise level, the measuring and calculation of noise level from nuisance period, the calculation of nuisance level and record form of nuisance noise measurement, date August 31, 2007

Initial Issued Date 25<sup>th</sup> September 2007

Issue Number 10

Bureau of Laboratory Accreditation, Department of Science Service, Ministry of Higher Education, Science, Research and Innovation



### Scope of Testing Laboratory Accreditation

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Changwat Pathumthani 12120

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Item Number	Test Material / Product	Test Item / Range of Testing	Test Method / Technique Used
9 (cont.)	Emission from stationary source	PCDFs - 2,3,7,8-TCDF - 1,2,3,7,8-PeCDF - 2,3,4,7,8-PeCDF  0.1 ng/batch to 200 ng/batch  - 1,2,3,4,7,8-HxCDF - 1,2,3,6,7,8-HxCDF - 2,3,4,6,7,8-HxCDF - 1,2,3,7,8,9-HxCDF - 1,2,3,4,6,7,8-HpCDF - 1,2,3,4,7,8,9-HpCDF  0.2 ng/batch to 400 ng/batch  - OCDF  0.5 ng/batch to 1 000 ng/batch	In - house method: WI-9-1-D1004 based on JIS K 0311 : 2005 and United States Environmental Protection Agency, 2017, EPA, Method 23

Initial Issued Date 25<sup>th</sup> September 2007

Issue Number 10

Bureau of Laboratory Accreditation, Department of Science Service, Ministry of Higher Education, Science, Research and Innovation

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Changwat Pathumthani 12120

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Item Number	Test Material / Product	Test Item / Range of Testing	Test Method / Technique Used
9 (cont.)	Emission from stationary source	DL-PCBs - 3,3',4,4'-TeCB (#77) - 3,4,4',5-TeCB (#81) - 3,3',4,4',5-PeCB (#126) - 3,3',4,4',5,5'-HxCB(#169) - 2,3,3',4,4'-PeCB (#105) - 2,3,4,4',5-PeCB (#114) - 2,3',4,4'5-PeCB (#118) - 2',3,4,4'5-PeCB (#123) - 2,3,3',4,4',5-HxCB (#156) - 2,3,3',4,4'5'-HxCB (#157) - 2,3',4,4'5,5'-HxCB (#167) - 2,3,3',4,4',5,5'-HpCB (#189) 0.25 ng/batch to 100 ng/batch	In - house method: WI-9-1-D1004 based on JIS K 0311 : 2005 and United States Environmental Protection Agency, 2017, EPA, Method 23

Initial Issued Date 25<sup>th</sup> September 2007

Issue Number 10

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Item Number	Test Material / Product	Test Item / Range of Testing	Test Method / Technique Used
9 (cont.)	Emission from stationary source	- Total (PCDDs + PCDFs + DL-PCBs) 0 ng-TEQ/batch to 792 ng-TEQ/batch	In - house method: WI-9-1-D1004 based on JIS K 0311 : 2005 and United States Environmental Protection Agency, 2017, EPA, Method 23

Initial Issued Date 25<sup>th</sup> September 2007

Issue Number 10

Bureau of Laboratory Accreditation, Department of Science Service, Ministry of Higher Education, Science, Research and Innovation