



REPUBLIC OF THE PHILIPPINES  
DEPARTMENT OF HEALTH  
**NATIONAL REFERENCE LABORATORY**  
EAST AVENUE MEDICAL CENTER  
ISO/IEC 17025 ACCREDITED TESTING LABORATORY  
TESTING. ASSURING. LEADING.



**PERFORMANCE EVALUATION REPORT**  
(NRL-WD-RF.F1)

Laboratory Accession No. : **NRL-16-1158**  
Device / System : **TULIP TABLE TOP**  
Manufacturer : **SOUTHLIGHT TECHNOLOGY AND DISTRIBUTION, INC.**  
Manufacturer's Address : **120 E. Rodriguez Jr., Ave., Ugong Pasig City**  
Importer/Distributor : **SOUTHLIGHT TECHNOLOGY AND DISTRIBUTION, INC.**  
Date Submitted : **April 13, 2016**  
Date Reported : **May 4, 2016**  
Source of Water : **PASIG RIVER**

RESULTS: Microbiological Analysis : **PASSED**  
Physical & Chemical Analysis: **PASSED**

REMARKS: The product water collected from **TULIP TABLE TOP** complied with the Physical, Chemical and Microbiological requirements of the Philippine National Standards for Drinking Water (PNSDW) for the parameters analyzed and can be used as **Safe Drinking Water. This water device shall apply to raw water with the same physical and chemical characteristics as the water collected and examined.**

RECOMMENDATION: **For Center for Device Regulation, Radiation Health and Research (CDRRH) Registration.**

Evaluated by:

  
**MARIA VERONICA C. EULOGIO**  
Chemist II 

Reviewed by:

  
**NENITA G. MARAYAG**  
Supervising Technical Officer

Noted by:

  
**SOCORRO CRUZ-YAÑEZ, MD., FPSP**  
Head, NRLEOHTM-EAMC





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 DEPARTMENT OF HEALTH  
**NATIONAL REFERENCE LABORATORY**  
 EAST AVENUE MEDICAL CENTER



**TEST REPORT OF PHYSICAL AND CHEMICAL  
 ANALYSIS OF WATER**  
 (NRL-WD-RF.F2)

**Requesting Party** : SOUTHLIGHT TECHNOLOGY AND DISTRIBUTION INC.  
**Address** : 120-E Rodriguez Jr., Ave., Ugong, Pasig City  
**Requested Examination** : Physical and Chemical Analysis  
**Name of Water Device** : TULIP TABLE TOP  
**Type/Source of Sample** : River Water  
**Address/Sampling Point** : Pasig River  
**Date and Time Collected** : 04-13-2016 / 09:00am (Before); 09:05am (After)  
**Date and Time Received** : 04-13-2016 / 11:00am  
**Date Reported** : May 4, 2016  
**Laboratory Accession No.:** NRL-16-1158  
**Sample ID/Code** : EOWD-16-027 (Before)  
 : EOWD-16-028 (After)

Page 1 of Three

Analyst:

**\*MARIA VERONICA C. EULOGIO**  
 Chemist II

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Certified Correct:

**NENITA G. MABAYAG**  
 Supervising Technical Officer

Noted:

**SOCORRO CRUZ-YAÑEZ, M.D., FPSP**  
 Head, NRLEOHTM-EAMC

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PAO ACCREDITED  
TESTING LABORATORY  
PNS ISO/IEC 17025:2005  
LA-2013-241A

**TEST REPORT OF PHYSICAL AND CHEMICAL  
ANALYSIS OF WATER**  
(NRL-WD-RF.F2)

Laboratory Accession No.: **NRL-16-1158**

Sample Code: **EOWD-16-027**

PARAMETERS	RESULT	UNIT	PNSDW PERMISSIBLE LIMITS	REFERENCE STANDARD METHOD
<b>❖ PHYSICAL:</b>				
Color	25	TCU	5 TCU	*SM 2120 B (Visual Comparison)
Odor	Objectionable	-----	Unobjectionable	<sup>1</sup> Qualitative
Turbidity	14	NTU	5 NTU	*SM 2130 B (Nephelometric)
<b>❖ CHEMICAL:</b>				
Total Chloride	271	mg/L	250 mg/L	*SM 4500-Cl <sup>-</sup> B (Argentometric)
Total Hardness	175	mg/L	300 mg/L	*SM 2340 C (EDTA Titrimetric)
pH	7.2	-----	6.5-8.5	*SM 4500-H <sup>+</sup> B (Electrometric)
Total Dissolved Solids	637	mg/L	500 mg/L	SM 2540 C (T. D. Solids Dried at 180°C)
Fluoride	0.16	mg/L	1.0 mg/L	<sup>1</sup> SM 4500-F <sup>-</sup> C (Ion-Selective Electrode)
Nitrate	0.78	mg/L	50.0 mg/L	*SM 4500-NO <sub>3</sub> <sup>-</sup> D (Nitrate Electrode)
Nitrite	5.9	mg/L	3.0 mg/L	*SM 4500-NO <sub>2</sub> <sup>-</sup> B (Colorimetric)
Sulfate	53	mg/L	250.0 mg/L	*SM 4500-SO <sub>4</sub> <sup>2-</sup> E (Turbidimetric)
Total Iron	1.2	mg/L	1.0 mg/L	*SM 3111 B (Direct Air-Acetylene Flame)
Manganese (Mn)	0.38	mg/L	0.4 mg/L	*SM 3111 B (Direct Air-Acetylene Flame)
Chromium (Cr)	Not Detected	mg/L	0.05 mg/L	SM 3113 B (Electrothermal AAS)
Lead (Pb)	Not Detected	mg/L	0.01 mg/L	SM 3113 B (Electrothermal AAS)
Cadmium (Cd)	Not Detected	mg/L	0.003 mg/L	SM 3113 B (Electrothermal AAS)
Arsenic (As)	Not Detected	mg/L	0.05 mg/L	SM 3113 B (Electrothermal AAS)
Mercury (Hg)	Not Detected	mg/L	0.001mg/L	SM 3112 B (Cold Vapor AAS)
Nickel (Ni)	Not Detected	mg/L	0.02 mg/L	SM 3113 B (Electrothermal AAS)

**Note: The following are the Method Detection Limits (MDL) for:**

Total Iron (Fe)	: 0.08 mg/L	Cadmium (Cd)	: 0.00009 mg/L
Manganese (Mn)	: 0.02 mg/L	Arsenic (As)	: 0.002 mg/L
Copper (Cu)	: 0.02 mg/L	Lead (Pb)	: 0.002 mg/L
Chromium (Cr)	: 0.0006 mg/L	Mercury (Hg)	: 0.00009 mg/L
Nickel (Ni)	: 0.002 mg/L		

**REMARKS:**

<sup>1</sup> The method specified is not covered by the scope of accreditation.

- ❖ The water sample failed to comply with the standard values set by the Philippine National Standards for Drinking Water (PNSDW) for **COLOR, ODOR, TURBIDITY, TOTAL CHLORIDE** and **TOTAL DISSOLVED SOLIDS (TDS)**.
- ❖ Results of examination are specifically related to samples as collected

**REFERENCE:**

- ❖ SMEW 22<sup>nd</sup> Edition
- ❖ NRL-WM-WI/SC-002, Work Instruction for Collection, Handling, Storage & Transport of Samples.

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PNS ISO/IEC 17025:2005  
LA-2013-241A

**TEST REPORT OF PHYSICAL AND CHEMICAL  
ANALYSIS OF WATER**  
(NRL-WD-RF.F2)

Laboratory Accession No.: **NRL-16-1158**

Sample Code: **EOWD-16-028**

PARAMETERS	RESULT	UNIT	PNSDW PERMISSIBLE LIMITS	REFERENCE STANDARD METHOD
<b>❖ PHYSICAL:</b>				
Color	5	TCU	5 TCU	*SM 2120 B (Visual Comparison)
Odor	Unobjectionable	-----	Unobjectionable	<sup>1</sup> Qualitative
Turbidity	0.29	NTU	5 NTU	*SM 2130 B (Nephelometric)
<b>❖ CHEMICAL:</b>				
Total Chloride	172	mg/L	250 mg/L	*SM 4500-Cl <sup>-</sup> B (Argentometric)
Total Hardness	129	mg/L	300 mg/L	*SM 2340 C (EDTA Titrimetric)
pH	8.0	-----	6.5-8.5	*SM 4500-H <sup>+</sup> B (Electrometric)
Total Dissolved Solids	441	mg/L	500 mg/L	SM 2540 C (T. D. Solids Dried at 180°C)
Fluoride	0.11	mg/L	1.0 mg/L	<sup>1</sup> SM 4500-F <sup>-</sup> C (Ion-Selective Electrode)
Nitrate	0.49	mg/L	50.0 mg/L	*SM 4500-NO <sub>3</sub> <sup>-</sup> D (Nitrate Electrode)
Nitrite	0.01	mg/L	3.0 mg/L	*SM 4500-NO <sub>2</sub> <sup>-</sup> B (Colorimetric)
Sulfate	33	mg/L	250.0 mg/L	*SM 4500-SO <sub>4</sub> <sup>2-</sup> E (Turbidimetric)
Total Iron	Not Detected	mg/L	1.0 mg/L	*SM 3111 B (Direct Air-Acetylene Flame)
Manganese (Mn)	0.02	mg/L	0.4 mg/L	*SM 3111 B (Direct Air-Acetylene Flame)
Chromium (Cr)	Not Detected	mg/L	0.05 mg/L	SM 3113 B (Electrothermal AAS)
Lead (Pb)	Not Detected	mg/L	0.01 mg/L	SM 3113 B (Electrothermal AAS)
Cadmium (Cd)	Not Detected	mg/L	0.003 mg/L	SM 3113 B (Electrothermal AAS)
Arsenic (As)	Not Detected	mg/L	0.05 mg/L	SM 3113 B (Electrothermal AAS)
Mercury (Hg)	Not Detected	mg/L	0.001mg/L	SM 3112 B (Cold Vapor AAS)
Nickel (Ni)	Not Detected	mg/L	0.02 mg/L	SM 3113 B (Electrothermal AAS)

\*Approved Signatory

Note: The following are the Method Detection Limits (MDL) for:

Total Iron (Fe)	: 0.08 mg/L	Cadmium (Cd)	: 0.00009 mg/L
Manganese (Mn)	: 0.02 mg/L	Arsenic (As)	: 0.002 mg/L
Copper (Cu)	: 0.02 mg/L	Lead (Pb)	: 0.002 mg/L
Chromium (Cr)	: 0.0006 mg/L	Mercury (Hg)	: 0.00009 mg/L
Nickel (Ni)	: 0.002 mg/L		

**REMARKS:**

<sup>1</sup> The method specified is not covered by the scope of accreditation.

- ❖ The water sample complied with the standard values set by the Philippine National Standards for Drinking Water (PNSDW) for the parameters analyzed.
- ❖ Results of examination are specifically related to samples as collected

**REFERENCE:**

- ❖ SMEW 22<sup>nd</sup> Edition
- ❖ NRL-WM-WI/SC-002, Work Instruction for Collection, Handling, Storage & Transport of Samples.

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**LAB**  
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PNS ISO/IEC 17025:2005  
LA-2013-242A

**TEST REPORT ON MICROBIOLOGICAL ANALYSIS**  
(NRL-WD-RF.F3)

Device / System : TULIP TABLE TOP Lab. Accession Number : NRL-16-1158  
Address : 120 E. Rodriguez Jr., Ave., Ugong, Pasig City Date of Collection/Analysis : April 13, 2016  
Mandaluyong City Date Reported : May 4, 2016  
Source/ Sampling Point : River Water/ Pasig River

Lab. Number	Sampling Point	Physical Characteristics	T I M E		HPC cfu/mL	RESULTS OF ANALYSIS a/		REMARKS
			Collection	Examination		Total Coliform	Fecal Coliform	
EOWD-091B	River-Before Device	Turbid, no sediment	09:00AM	11:15PM	>5700	>8.0	>8.0	FAILED
EOWD-092B	After Device	Clear, no sediment	09:05AM	11:18PM	<1.0	<1.1	<1.1	PASSED
EOWD-093B	River-Before Device	Turbid, no sediment	09:30AM	11:21PM	>5700	>8.0	>8.0	FAILED
EOWD-094B	After Device	Clear, no sediment	09:35AM	11:24PM	<1.0	<1.1	<1.1	PASSED
EOWD-095B	River-Before Device	Turbid, no sediment	10:00AM	11:27PM	>5700	>8.0	>8.0	FAILED
EOWD-096B	After Device	Clear, no sediment	10:30AM	11:30PM	<1.0	<1.1	<1.1	PASSED
	*****	Nothing Follows	*****					
<b>PNSDW 2007: A.O. 2007-0012</b>								

Legend: Test Method Used a/ = Multiple Tube Fermentation Technique; HPC = Pour Plate Method, SMEW 22<sup>nd</sup> Edition  
Reference: NRL-WM-WI/SC-002, Work Instruction for Collection, Handling, Storage and Transport of Samples.  
Note: Results of examination are specifically related to the samples as collected.

Prepared by:

**MARITES D. GO, RMT**  
Analyst

Checked By:

**MEMITA G. MARAYAG**  
Supervising Technical Officer

Noted:

**SOCORRO CRUZ-YAÑEZ, MD, F, PSP**  
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# Results of Analyses

## National Reference Laboratory - East Avenue Medical Center

East Avenue, Diliman  
Quezon City



SN: F00033107.002

Date Received:

04/06/2016

Lab No.: P00062053



Project Name: N/S

Attention: Mr. Augusto Misolas

Test Description	Results	Units	MDL	REPORTING LIMIT	Test Methods	Date Analyzed	By	Ref'
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Sample No.: P00062053-01

Date Sampled: 04-06-16 13:30

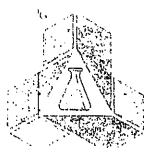
Sample ID: TP BEFORE

Matrix: Drinking Water

-Organics-

VOC/s

1,1,1,2-Tetrachloroethane	ND	µg/L	1.0	5.0	EPA 8260B	04/14/16	RAWV	
1,1,1-Trichloroethane	ND	µg/L	2.0	5.0	EPA 8260B	04/14/16	RAWV	
1,1,2,2-Tetrachloroethane	ND	µg/L	2.0	5.0	EPA 8260B	04/14/16	RAWV	
1,1,2-Trichloroethane	ND	µg/L	3.0	5.0	EPA 8260B	04/14/16	RAWV	
1,1-Dichloroethane	ND	µg/L	1.0	5.0	EPA 8260B	04/14/16	RAWV	
1,1-Dichloroethene	ND	µg/L	1.0	5.0	EPA 8260B	04/14/16	RAWV	
1,1-Dichloropropene	ND	µg/L	1.0	5.0	EPA 8260B	04/14/16	RAWV	
1,2,3-Trichlorobenzene	ND	µg/L	2.0	5.0	EPA 8260B	04/14/16	RAWV	
1,2,3-Trichloropropene	31	µg/L	1.0	5.0	EPA 8260B	04/14/16	RAWV	
1,2,4-Trichlorobenzene	ND	µg/L	1.0	5.0	EPA 8260B	04/14/16	RAWV	
1,2,4-Trimethylbenzene	ND	µg/L	2.0	5.0	EPA 8260B	04/14/16	RAWV	
1,2-Dibromo-3-chloropropane	ND	µg/L	2.0	5.0	EPA 8260B	04/14/16	RAWV	
1,2-Dibromoethane	ND	µg/L	2.0	5.0	EPA 8260B	04/14/16	RAWV	
1,2-Dichlorobenzene	ND	µg/L	1.0	5.0	EPA 8260B	04/14/16	RAWV	
1,2-Dichloroethane	ND	µg/L	1.0	5.0	EPA 8260B	04/14/16	RAWV	
1,2-Dichloropropane	ND	µg/L	1.0	5.0	EPA 8260B	04/14/16	RAWV	
1,3,5-Trimethylbenzene	ND	µg/L	2.0	5.0	EPA 8260B	04/14/16	RAWV	
1,3-Dichlorobenzene	ND	µg/L	1.0	5.0	EPA 8260B	04/14/16	RAWV	
1,3-Dichloropropane	ND	µg/L	2.0	5.0	EPA 8260B	04/14/16	RAWV	
1,4-Dichlorobenzene	ND	µg/L	1.0	5.0	EPA 8260B	04/14/16	RAWV	
2,2-Dichloropropane	ND	µg/L	1.0	5.0	EPA 8260B	04/14/16	RAWV	
2-Chlorotoluene	ND	µg/L	1.0	5.0	EPA 8260B	04/14/16	RAWV	
4-Chlorotoluene	ND	µg/L	1.0	5.0	EPA 8260B	04/14/16	RAWV	
4-Isopropyltoluene	ND	µg/L	1.0	5.0	EPA 8260B	04/14/16	RAWV	
Benzene	ND	µg/L	1.0	5.0	EPA 8260B	04/14/16	RAWV	
Bromobenzene	ND	µg/L	1.0	5.0	EPA 8260B	04/14/16	RAWV	
Bromochloromethane	ND	µg/L	1.0	5.0	EPA 8260B	04/14/16	RAWV	
Bromodichloromethane	ND	µg/L	2.0	5.0	EPA 8260B	04/14/16	RAWV	
Bromoform	ND	µg/L	2.0	5.0	EPA 8260B	04/14/16	RAWV	
Bromomethane	ND	µg/L	3.0	5.0	EPA 8260B	04/14/16	RAWV	
Carbon tetrachloride	ND	µg/L	1.0	5.0	EPA 8260B	04/14/16	RAWV	
Chlorobenzene	ND	µg/L	1.0	5.0	EPA 8260B	04/14/16	RAWV	
Chloroethane	ND	µg/L	3.0	5.0	EPA 8260B	04/14/16	RAWV	
Chloroform	ND	µg/L	1.0	5.0	EPA 8260B	04/14/16	RAWV	
Chloromethane	ND	µg/L	2.0	5.0	EPA 8260B	04/14/16	RAWV	
cis-1,2-Dichloroethene	ND	µg/L	1.0	5.0	EPA 8260B	04/14/16	RAWV	
cis-1,3-Dichloropropene	ND	µg/L	1.0	5.0	EPA 8260B	04/14/16	RAWV	
Dibromochloromethane	ND	µg/L	1.0	5.0	EPA 8260B	04/14/16	RAWV	
Dibromomethane	ND	µg/L	3.0	5.0	EPA 8260B	04/14/16	RAWV	
Dichlorodifluoromethane	ND	µg/L	3.0	5.0	EPA 8260B	04/14/16	RAWV	
Diisopropyl Ether	ND	µg/L	1.0	5.0	EPA 8260B	04/14/16	RAWV	
Ethyl Tert-Butyl Ether	ND	µg/L	1.0	5.0	EPA 8260B	04/14/16	RAWV	
Ethylbenzene	ND	µg/L	2.0	5.0	EPA 8260B	04/14/16	RAWV	
Hexachlorobutadiene	ND	µg/L	2.0	5.0	EPA 8260B	04/14/16	RAWV	
Isopropylbenzene	ND	µg/L	2.0	5.0	EPA 8260B	04/14/16	RAWV	
m/p-Xylene	ND	µg/L	3.0	10	EPA 8260B	04/14/16	RAWV	
Methylene chloride	ND	µg/L	3.0	5.0	EPA 8260B	04/14/16	RAWV	
MTBE	ND	µg/L	1.0	5.0	EPA 8260B	04/14/16	RAWV	
Naphthalene	ND	µg/L	3.0	5.0	EPA 8260B	04/14/16	RAWV	
n-Butylbenzene	ND	µg/L	3.0	5.0	EPA 8260B	04/14/16	RAWV	



**CRL Environmental Corporation**

Sales Office: Unit 609 Cityland 10 Tower 1 \* 6815 H.V. dela Costa, Ayala Ave., North \* Makati City, Philippines 1226  
 Tel: (632) 840-4071; (632) 817-5307 \* Fax: (632) 816-0329 \* E-mail: [crl@crlilabs.com](mailto:cril@crlilabs.com) \* <http://www.crlilabs.com>  
 Laboratory: Bldg. 2, Berthaphil Compound 1, Berthaphil Inc. Industrial Park  
 Jose Abad Santos Ave., CFZ Pampanga, Philippines  
 Tel: (6345) 399-3943 \* (6345) 499-6529 \* (632) 552-5100 \* Fax: (6345) 599-3963

Test Description	Results	Units	MDL	REPORTING LIMIT	Test Methods	Date Analyzed	By	Ref
<b>-Organics-</b>								
<b>VOC's</b>								
n-Propylbenzene	ND	µg/L	2.0	5.0	EPA 8260B	04/14/16	RAWV	
o-Xylene	ND	µg/L	2.0	5.0	EPA 8260B	04/14/16	RAWV	
sec-Butylbenzene	ND	µg/L	2.0	5.0	EPA 8260B	04/14/16	RAWV	
Styrene	ND	µg/L	2.0	5.0	EPA 8260B	04/14/16	RAWV	
tert-Amyl Methyl Ether	ND	µg/L	1.0	5.0	EPA 8260B	04/14/16	RAWV	
tert-Butanol	ND	µg/L	15	25	EPA 8260B	04/14/16	RAWV	
tert-Butylbenzene	ND	µg/L	2.0	5.0	EPA 8260B	04/14/16	RAWV	
Tetrachloroethene	ND	µg/L	1.0	5.0	EPA 8260B	04/14/16	RAWV	
Toluene	ND	µg/L	2.0	5.0	EPA 8260B	04/14/16	RAWV	
trans-1,2-Dichloroethene	ND	µg/L	1.0	5.0	EPA 8260B	04/14/16	RAWV	
trans-1,3-Dichloropropene	ND	µg/L	1.0	5.0	EPA 8260B	04/14/16	RAWV	
Trichloroethene	ND	µg/L	2.0	5.0	EPA 8260B	04/14/16	RAWV	
Trichlorofluoromethane	ND	µg/L	2.0	5.0	EPA 8260B	04/14/16	RAWV	
Vinyl Chloride	ND	µg/L	2.0	5.0	EPA 8260B	04/14/16	RAWV	

>>> end of result set for Sample No.:P00062053-01 <<<

Sample No.: P00062053-02

Date Sampled: 04-06-16 13:40

Sample ID: TP AFTER

Matrix: Drinking Water

-Organics-

**VOC's**

1,1,1,2-Tetrachloroethane	ND	µg/L	1.0	5.0	EPA 8260B	04/14/16	RAWV	
1,1,1-Trichloroethane	ND	µg/L	2.0	5.0	EPA 8260B	04/14/16	RAWV	
1,1,2,2-Tetrachloroethane	ND	µg/L	2.0	5.0	EPA 8260B	04/14/16	RAWV	
1,1,2-Trichloroethane	ND	µg/L	3.0	5.0	EPA 8260B	04/14/16	RAWV	
1,1-Dichloroethane	ND	µg/L	1.0	5.0	EPA 8260B	04/14/16	RAWV	
1,1-Dichloroethene	ND	µg/L	1.0	5.0	EPA 8260B	04/14/16	RAWV	
1,1-Dichloropropene	ND	µg/L	1.0	5.0	EPA 8260B	04/14/16	RAWV	
1,2,3-Trichlorobenzene	ND	µg/L	2.0	5.0	EPA 8260B	04/14/16	RAWV	
1,2,3-Trichloropropane	ND	µg/L	1.0	5.0	EPA 8260B	04/14/16	RAWV	
1,2,4-Trichlorobenzene	ND	µg/L	1.0	5.0	EPA 8260B	04/14/16	RAWV	
1,2,4-Trimethylbenzene	ND	µg/L	2.0	5.0	EPA 8260B	04/14/16	RAWV	
1,2-Dibromo-3-chloropropane	ND	µg/L	2.0	5.0	EPA 8260B	04/14/16	RAWV	
1,2-Dibromoethane	ND	µg/L	2.0	5.0	EPA 8260B	04/14/16	RAWV	
1,2-Dichlorobenzene	ND	µg/L	1.0	5.0	EPA 8260B	04/14/16	RAWV	
1,2-Dichloroethane	ND	µg/L	1.0	5.0	EPA 8260B	04/14/16	RAWV	
1,2-Dichloropropane	ND	µg/L	1.0	5.0	EPA 8260B	04/14/16	RAWV	
1,3,5-Trimethylbenzene	ND	µg/L	2.0	5.0	EPA 8260B	04/14/16	RAWV	
1,3-Dichlorobenzene	ND	µg/L	1.0	5.0	EPA 8260B	04/14/16	RAWV	
1,3-Dichloropropane	ND	µg/L	2.0	5.0	EPA 8260B	04/14/16	RAWV	
1,4-Dichlorobenzene	ND	µg/L	1.0	5.0	EPA 8260B	04/14/16	RAWV	
2,2-Dichloropropane	ND	µg/L	1.0	5.0	EPA 8260B	04/14/16	RAWV	
2-Chlorotoluene	ND	µg/L	1.0	5.0	EPA 8260B	04/14/16	RAWV	
4-Chlorotoluene	ND	µg/L	1.0	5.0	EPA 8260B	04/14/16	RAWV	
4-Isopropyltoluene	ND	µg/L	1.0	5.0	EPA 8260B	04/14/16	RAWV	
Benzene	ND	µg/L	1.0	5.0	EPA 8260B	04/14/16	RAWV	
Bromobenzene	ND	µg/L	1.0	5.0	EPA 8260B	04/14/16	RAWV	
Bromochloromethane	ND	µg/L	1.0	5.0	EPA 8260B	04/14/16	RAWV	
Bromodichloromethane	ND	µg/L	2.0	5.0	EPA 8260B	04/14/16	RAWV	
Bromoform	ND	µg/L	2.0	5.0	EPA 8260B	04/14/16	RAWV	
Bromomethane	ND	µg/L	3.0	5.0	EPA 8260B	04/14/16	RAWV	
Carbon tetrachloride	ND	µg/L	1.0	5.0	EPA 8260B	04/14/16	RAWV	
Chlorobenzene	ND	µg/L	1.0	5.0	EPA 8260B	04/14/16	RAWV	
Chloroethane	ND	µg/L	3.0	5.0	EPA 8260B	04/14/16	RAWV	
Chloroform	ND	µg/L	1.0	5.0	EPA 8260B	04/14/16	RAWV	
Chloromethane	ND	µg/L	2.0	5.0	EPA 8260B	04/14/16	RAWV	
cis-1,2-Dichloroethene	ND	µg/L	1.0	5.0	EPA 8260B	04/14/16	RAWV	
cis-1,3-Dichloropropene	ND	µg/L	1.0	5.0	EPA 8260B	04/14/16	RAWV	
Dibromochloromethane	ND	µg/L	1.0	5.0	EPA 8260B	04/14/16	RAWV	
Dibromomethane	ND	µg/L	3.0	5.0	EPA 8260B	04/14/16	RAWV	
Dichlorodifluoromethane	ND	µg/L	3.0	5.0	EPA 8260B	04/14/16	RAWV	
Diisopropyl Ether	ND	µg/L	1.0	5.0	EPA 8260B	04/14/16	RAWV	
Ethyl Tert-Butyl Ether	ND	µg/L	1.0	5.0	EPA 8260B	04/14/16	RAWV	
Ethylbenzene	ND	µg/L	2.0	5.0	EPA 8260B	04/14/16	RAWV	
Hexachlorobutadiene	ND	µg/L	2.0	5.0	EPA 8260B	04/14/16	RAWV	

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*Handwritten signature or initials.*

Test Description	Results	Units	MDL	REPORTING LIMIT	Test Methods	Date Analyzed	By	Ref
-Organics-								
<i>VOC/s</i>								
Isopropylbenzene	ND	µg/L	2.0	5.0	EPA 8260B	04/14/16	RAWV	
m/p-Xylene	ND	µg/L	3.0	10	EPA 8260B	04/14/16	RAWV	
Methylene chloride	ND	µg/L	3.0	5.0	EPA 8260B	04/14/16	RAWV	
MTBE	ND	µg/L	1.0	5.0	EPA 8260B	04/14/16	RAWV	
Naphthalene	ND	µg/L	3.0	5.0	EPA 8260B	04/14/16	RAWV	
n-Butylbenzene	ND	µg/L	3.0	5.0	EPA 8260B	04/14/16	RAWV	
n-Propylbenzene	ND	µg/L	2.0	5.0	EPA 8260B	04/14/16	RAWV	
o-Xylene	ND	µg/L	2.0	5.0	EPA 8260B	04/14/16	RAWV	
sec-Butylbenzene	ND	µg/L	2.0	5.0	EPA 8260B	04/14/16	RAWV	
Styrene	ND	µg/L	2.0	5.0	EPA 8260B	04/14/16	RAWV	
tert-Amyl Methyl Ether	ND	µg/L	1.0	5.0	EPA 8260B	04/14/16	RAWV	
tert-Butanol	ND	µg/L	15	25	EPA 8260B	04/14/16	RAWV	
tert-Butylbenzene	ND	µg/L	2.0	5.0	EPA 8260B	04/14/16	RAWV	
Tetrachloroethene	ND	µg/L	1.0	5.0	EPA 8260B	04/14/16	RAWV	
Toluene	ND	µg/L	2.0	5.0	EPA 8260B	04/14/16	RAWV	
trans-1,2-Dichloroethene	ND	µg/L	1.0	5.0	EPA 8260B	04/14/16	RAWV	
trans-1,3-Dichloropropene	ND	µg/L	1.0	5.0	EPA 8260B	04/14/16	RAWV	
Trichloroethene	ND	µg/L	2.0	5.0	EPA 8260B	04/14/16	RAWV	
Trichlorofluoromethane	ND	µg/L	2.0	5.0	EPA 8260B	04/14/16	RAWV	
Vinyl Chloride	ND	µg/L	2.0	5.0	EPA 8260B	04/14/16	RAWV	

>>> end of result set for Sample No.:P00062053-02 <<<

>>> end of result set for Lab No.:P00062053; Total no. of samples analyzed: 2 <<<

N/S = Not Supplied

MDL = Method Detection Limit/s

Results are reported "as received basis".

ND = Not Detected (Below MDL / Reporting Limit/s)

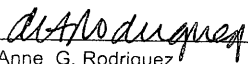
Test Methods for Evaluating Solid Wastes, Vol 1B, USEPA, Third Edition, December 1996



*Handwritten mark*



Certified By:

  
Mary Anne G. Rodriguez

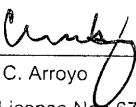
PRC License No.: 10281  
Chemical Testing

Date: 4/19/16

  
Juliana C. Oriña

PRC License No.: 8774  
Chemical Testing

Date: 4/19/16

  
Chas C. Arroyo

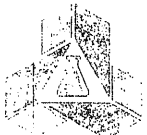
PRC License No.: 6701  
Chemical Testing

Date: 4/19/16



SN: F00033107.002

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# Results of Analyses

## National Reference Laboratory - East Avenue Medical Center

East Avenue, Diliman  
Quezon City



SN: F00033107.001



Date Received:

04/06/2016

Lab No.: P00062053



Project Name: N/S

Attention: Mr. Augusto Misolas

Test Description	Results	Units	Test Methods	Date Analyzed	By	Ref
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Sample No.: P00062053-01 Date Sampled: 04-06-16 13:30

Sample ID: TP BEFORE Matrix: Drinking Water

-Wet Chemistry-

Boron	< 0.2	mg/L	Curcumin Method	04/12/16	MPT	
Cyanide**, Total	< 0.02	mg/L	Distillation - ISE	04/14/16	WBD	

>>> end of result set for Sample No.:P00062053-01 <<<

Sample No.: P00062053-02 Date Sampled: 04-06-16 13:40

Sample ID: TP AFTER Matrix: Drinking Water

-Wet Chemistry-

Boron	< 0.2	mg/L	Curcumin Method	04/12/16	MPT	
Cyanide**, Total	< 0.02	mg/L	Distillation - ISE	04/14/16	WBD	

>>> end of result set for Sample No.:P00062053-02 <<<

>>> end of result set for Lab No.:P00062053; Total no. of samples analyzed: 2 <<<

N/S = Not Supplied

\*\*PAB approved parameter/s

Results are reported "as received basis".

Standard Methods for the Examination of Water and Wastewater, APHA, AWWA, WEF, 22nd Edition.



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Certified by:

*Ronald G. Espiritu*

Ronald G. Espiritu  
PRC License No.: 9248  
Chemical Testing

Date:

*4/19/12*

*Juliana C. Oriña*

Juliana C. Oriña  
PRC License No.: 8774  
Chemical Testing

Date:

*4/19/12*

*Chas C. Arroyo*

Chas C. Arroyo  
PRC License No.: 6701  
Chemical Testing

Date:

*4/19/12*



SN: F00033107.001

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