

SGS Canada Inc. P.O. Box 4300 - 185 Concession St. Lakefield - Ontario - KOL 2HO Phone: 705-652-2000 FAX: 705-652-6365

Veolia Water (Lucknow)

Attn : Steve Walmsley

Box 185 Goderich, ON N0G 2R0, Canada

Phone: 519-524-6583 Fax:pdf

16-July-2024

Date Rec.: 09 July 2024 LR Report: CA30307-JUL24

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CERTIFICATE OF ANALYSIS **Final Report**

Sample ID	Sample Date & Time	Temperature Upon Receipt at London Lab ℃	Temperature Upon Receipt at Lakefield Lab °C	Free Chlorine mg/L	Field pH	pH No unit	Alkalinity mg/L as CaCO3	Lead ug/L
1: Analysis Start Date						11-Jul-24	11-Jul-24	15-Jul-24
2: Analysis Start Time						10:23	10:23	07:46
3: Analysis Completed Date						12-Jul-24	12-Jul-24	15-Jul-24
4: Analysis Completed Time						09:40	09:40	09:44
5: MAC								10
6: AO/OG					6.5-8.5	6.5-8.5	30-500	
7: MDL							2	0.01
8: DW Lucknow 4	08-Jul-24 14:38	14.4	11.0	1.50	7.4	7.97	225	0.10
9: DW Lucknow 5	08-Jul-24 15:20	14.4	11.0	1.56	7.3	7.91	243	0.01
10: DW South Lucknow (ACW)	08-Jul-24 15:40	14.4	11.0	1.34	7.3	7.96	235	

MAC - Maximum Acceptable Concentration AO/OG - Aesthetic Objective / Operational Guideline MDL - SGS Method Detection Limit

Method Descriptions

Units	Description	SGS Method Code
mg/L as CaCO3	Alkalinity by Titration	ME-CA-[ENV]EWL-LAK-AN-006
ug/L	Lead by ICP-MS Drinking Water	ME-CA-[ENV]SPE-LAK-AN-006
No unit	pH - solution	ME-CA-[ENV]EWL-LAK-AN-006

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Carrie Greenlaw Project Specialist, Environment, Health & Safety

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Page 1 of 1 Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.) Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples. SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or



Veolia Water (Lucknow)

Attn : Steve Walmsley

Box 185 Goderich, ON N0G 2R0, Canada

Phone: 519-524-6583 Fax:pdf Works #: 220002663

17-May-2024

 Date Rec. :
 07 May 2024

 LR Report:
 CA30148-MAY24

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#1

CERTIFICATE OF ANALYSIS Final Report

Analysis	1:	2:	3:	4:	5:	6:	7:	8:	9:	10:	11:	12:
	Analysis	Analysis Start	Analysis	Analysis	MAC	Half MAC	MDL	TW Lucknow #4 -	DW 484 Ludgard	TW Lucknow #5 -	DW Firehall	DW South
	Start Date	Time	Date Date	Time				Ireated		Ireated		Lucknow
Sample Date & Time								06-May-24 15:30	06-May-24 16:10	06-May-24 15:45	06-May-24 14:55	06-May-24 15:10
Temperature Upon Receipt [at London Lab °C]								12.8	12.8	12.8	12.8	12.8
Temperature Upon Receipt [at Lakefield Lab °C]								10.0	10.0	10.0	10.0	10.0
Field Free Chlorine [mg/L]									1.52		1.31	1.31
Arsenic [ug/L]	13-May-24	10:30	13-May-24	12:51	10	5	0.2	4.0		3.3		
Nitrite (as N) [mg/L]	10-May-24	02:46	10-May-24	15:41	1.0		0.003	0.003 <mdl< td=""><td></td><td>0.003 <mdl< td=""><td></td><td></td></mdl<></td></mdl<>		0.003 <mdl< td=""><td></td><td></td></mdl<>		
Nitrate (as N) [mg/L]	10-May-24	02:46	10-May-24	15:41	10		0.006	0.053		1.79		
Nitrate + Nitrite (as N) [mg/L]	10-May-24	02:46	10-May-24	15:41			0.006	0.053		1.79		
Trihalomethanes (total) [ug/L]	09-May-24	15:34	10-May-24	09:45	100 (RAA)		0.37		4.9		4.1	12
Bromodichloromethane [ug/L]	09-May-24	15:34	10-May-24	09:45			0.26		0.88		0.64	2.1
Bromoform [ug/L]	09-May-24	15:34	10-May-24	09:45			0.34		0.34 <mdl< td=""><td></td><td>0.34 <mdl< td=""><td>0.34 <mdl< td=""></mdl<></td></mdl<></td></mdl<>		0.34 <mdl< td=""><td>0.34 <mdl< td=""></mdl<></td></mdl<>	0.34 <mdl< td=""></mdl<>
Chloroform [ug/L]	09-May-24	15:34	10-May-24	09:45			0.29		4.0		3.5	9.2
Dibromochloromethane [ug/L]	09-May-24	15:34	10-May-24	09:45			0.37		0.37 <mdl< td=""><td></td><td>0.37 <mdl< td=""><td>0.56</td></mdl<></td></mdl<>		0.37 <mdl< td=""><td>0.56</td></mdl<>	0.56
Total Haloacetic Acids (HAA5) [ug/L]	15-May-24	08:17	16-May-24	17:25	80 (RAA)		5.3		5.3 <mdl< td=""><td></td><td>5.3 <mdl< td=""><td></td></mdl<></td></mdl<>		5.3 <mdl< td=""><td></td></mdl<>	
Chloroacetic Acid [ug/L]	15-May-24	08:17	16-May-24	17:25			4.7		4.7 <mdl< td=""><td></td><td>4.7 <mdl< td=""><td></td></mdl<></td></mdl<>		4.7 <mdl< td=""><td></td></mdl<>	
Bromoacetic Acid [ug/L]	15-May-24	08:17	16-May-24	17:25			2.9		2.9 <mdl< td=""><td></td><td>2.9 <mdl< td=""><td></td></mdl<></td></mdl<>		2.9 <mdl< td=""><td></td></mdl<>	
Dichloroacetic Acid [ug/L]	15-May-24	08:17	16-May-24	17:25			2.6		2.6 <mdl< td=""><td></td><td>2.6 <mdl< td=""><td></td></mdl<></td></mdl<>		2.6 <mdl< td=""><td></td></mdl<>	
Dibromoacetic Acid [ug/L]	15-May-24	08:17	16-May-24	17:25			2.0		2.0 <mdl< td=""><td></td><td>2.0 <mdl< td=""><td></td></mdl<></td></mdl<>		2.0 <mdl< td=""><td></td></mdl<>	
Trichloroacetic Acid [ug/L]	15-May-24	08:17	16-May-24	17:25			5.3		5.3 <mdl< td=""><td></td><td>5.3 <mdl< td=""><td></td></mdl<></td></mdl<>		5.3 <mdl< td=""><td></td></mdl<>	

MAC - Maximum Acceptable Concentration Half MAC - Half of the Maximum Acceptable Concentration MDL - SGS Method Detection Limit

Method Descriptions

Page 1 of 2

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Test method information available upon request. *Temperature Upon Receipt* is representative of the whole shipment and may not reflect the temperature of individual samples.

SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or regulation.

SGS Canada Inc. P.O. Box 4300 - 185 Concession St. Lakefield - Ontario - KOL 2HO Phone: 705-652-2000 FAX: 705-652-6365

Works #: 220002663

LR Report : CA30148-MAY24

Parameter	Description	SGS Method Code			
Arsenic	Arsenic by ICP-MS Drinking Water	ME-CA-[ENV]SPE-LAK-AN-006			
Bromoacetic Acid	HAA wtr - DW	ME-CA-[ENV]GC-LAK-AN-013			
Bromodichloromethane	VOC wtr - THM	ME-CA-[ENV]GC-LAK-AN-004			
Bromoform	VOC wtr - THM	ME-CA-[ENV]GC-LAK-AN-004			
Chloroacetic Acid	HAA wtr - DW	ME-CA-[ENV]GC-LAK-AN-013			
Chloroform	VOC wtr - THM	ME-CA-[ENV]GC-LAK-AN-004			
Dibromoacetic Acid	HAA wtr - DW	ME-CA-[ENV]GC-LAK-AN-013			
Dibromochloromethane	VOC wtr - THM	ME-CA-[ENV]GC-LAK-AN-004			
Dichloroacetic Acid	HAA wtr - DW	ME-CA-[ENV]GC-LAK-AN-013			
Nitrate (as N)	Nitrate by Ion Chromatography	ME-CA-[ENV]IC-LAK-AN-001			
Nitrate + Nitrite (as N)	Total Nitrate/Nitrite by Ion Chromatograph	ME-CA-[ENV]IC-LAK-AN-001			
Nitrite (as N)	Nitrite by Ion Chromatography	ME-CA-[ENV]IC-LAK-AN-001			
Total Haloacetic Acids (HAA5)	HAA wtr - DW	ME-CA-[ENV]GC-LAK-AN-013			
Trichloroacetic Acid	HAA wtr - DW	ME-CA-[ENV]GC-LAK-AN-013			
Trihalomethanes (total)	VOC wtr - THM	ME-CA-[ENV]GC-LAK-AN-004			

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Hawley Anderson, Hon.B.Sc Project Specialist, Environment, Health & Safety

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Page 2 of 2

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Veolia Water (Lucknow)

Attn : Steve Walmsley

Box 185 Goderich, ON N0G 2R0, Canada

Phone: 519-524-6583 Fax:pdf Works #: 220002663

22-February-2024

 Date Rec. :
 13 February 2024

 LR Report:
 CA30259-FEB24

Copy:

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CERTIFICATE OF ANALYSIS Final Report

Analysis	1.	2.	3.	4.	5.	6.	8.	9.	10.
	Analysis Start Ar Date	alysis Start Time	Analysis Completed Date	Analysis Completed Time	MAC	Half MAC	MDL	TW Lucknow #4 - Treated	DW On The Run
Sample Date & Time								12-Feb-24 15:20	12-Feb-24 16:15
Temperature Upon Receipt [at London Lab °C]								5.0	5.0
Temperature Upon Receipt [at Lakefield Lab °C]								8.0	8.0
Field Free Chlorine [mg/L]								1.85	1.23
Arsenic [ug/L]	20-Feb-24	09:30	20-Feb-24	13:03	10	5	0.2	4.5	
Nitrite (as N) [mg/L]	17-Feb-24	10:28	22-Feb-24	11:40	1.0		0.003	0.003 <mdl< td=""><td></td></mdl<>	
Nitrate (as N) [mg/L]	17-Feb-24	10:28	22-Feb-24	11:40	10		0.006	0.009	
Nitrate + Nitrite (as N) [mg/L]	17-Feb-24	10:28	22-Feb-24	11:40			0.006	0.009	
Trihalomethanes (total) [ug/L]	16-Feb-24	13:26	20-Feb-24	11:06	100 (RAA)		0.37		2.2
Bromodichloromethane [ug/L]	16-Feb-24	13:26	20-Feb-24	11:06			0.26		0.30
Bromoform [ug/L]	16-Feb-24	13:26	20-Feb-24	11:06			0.34		0.34 <mdl< td=""></mdl<>
Chloroform [ug/L]	16-Feb-24	13:26	20-Feb-24	11:06			0.29		1.9
Dibromochloromethane [ug/L]	16-Feb-24	13:26	20-Feb-24	11:06			0.37		0.37 <mdl< td=""></mdl<>
Total Haloacetic Acids (HAA5) [ug/L]	21-Feb-24	09:09	22-Feb-24	10:49	80 (RAA)		5.3		
Chloroacetic Acid [ug/L]	21-Feb-24	09:09	22-Feb-24	10:49			4.7		
Bromoacetic Acid [ug/L]	21-Feb-24	09:09	22-Feb-24	10:49			2.9		
Dichloroacetic Acid [ug/L]	21-Feb-24	09:09	22-Feb-24	10:49			2.6		
Dibromoacetic Acid [ug/L]	21-Feb-24	09:09	22-Feb-24	10:49			2.0		
Trichloroacetic Acid [ug/L]	21-Feb-24	09:09	22-Feb-24	10:49			5.3		

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Page 1 of 3

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LR Report : CA30259-FEB24

Analysis	11: DW LET	12: TW Lucknow #5 - Treated	13: DW Old Firehall	14: DW LLS	15: DW South Lucknow - 86667
	40 5 1 04 45 05		10 5 1 01 15 55		
Sample Date & Time	12-Feb-24 15:05	12-Feb-24 15:40	12-Feb-24 15:55	12-Feb-24 15:50	12-Feb-24 14:55
Temperature Upon Receipt [at London Lab °C]	5.0	5.0	5.0	5.0	5.0
Temperature Upon Receipt [at Lakefield Lab °C]	8.0	8.0	8.0	8.0	8.0
Field Free Chlorine [mg/L]	1.63	1.60	1.55	1.43	1.55
Arsenic [ug/L]		5.4			
Nitrite (as N) [mg/L]		0.003 <mdl< td=""><td></td><td></td><td></td></mdl<>			
Nitrate (as N) [mg/L]		0.006 <mdl< td=""><td></td><td></td><td></td></mdl<>			
Nitrate + Nitrite (as N) [mg/L]		0.006 <mdl< td=""><td></td><td></td><td></td></mdl<>			
Trihalomethanes (total) [ug/L]			2.0		7.8
Bromodichloromethane [ug/L]			0.30		1.5
Bromoform [ug/L]			0.34 <mdl< td=""><td></td><td>0.34 <mdl< td=""></mdl<></td></mdl<>		0.34 <mdl< td=""></mdl<>
Chloroform [ug/L]			1.8		5.8
Dibromochloromethane [ug/L]			0.37 <mdl< td=""><td></td><td>0.46</td></mdl<>		0.46
Total Haloacetic Acids (HAA5) [ug/L]	5.3 <mdl< td=""><td></td><td></td><td>5.3 <mdl< td=""><td></td></mdl<></td></mdl<>			5.3 <mdl< td=""><td></td></mdl<>	
Chloroacetic Acid [ug/L]	4.7 <mdl< td=""><td></td><td></td><td>4.7 <mdl< td=""><td></td></mdl<></td></mdl<>			4.7 <mdl< td=""><td></td></mdl<>	
Bromoacetic Acid [ug/L]	2.9 <mdl< td=""><td></td><td></td><td>2.9 <mdl< td=""><td></td></mdl<></td></mdl<>			2.9 <mdl< td=""><td></td></mdl<>	
Dichloroacetic Acid [ug/L]	2.6 <mdl< td=""><td></td><td></td><td>2.6 <mdl< td=""><td></td></mdl<></td></mdl<>			2.6 <mdl< td=""><td></td></mdl<>	
Dibromoacetic Acid [ug/L]	2.0 <mdl< td=""><td></td><td></td><td>2.0 <mdl< td=""><td></td></mdl<></td></mdl<>			2.0 <mdl< td=""><td></td></mdl<>	
Trichloroacetic Acid [ug/L]	5.3 <mdl< td=""><td></td><td></td><td>5.3 <mdl< td=""><td></td></mdl<></td></mdl<>			5.3 <mdl< td=""><td></td></mdl<>	

$\rm MAC$ - Maximum Acceptable Concentration Half MAC - Half of the Maximum Acceptable Concentration MDL - SGS Method Detection Limit

Parameter	Description	SGS Method Code
Arsenic	Arsenic by ICP-MS Drinking Water	ME-CA-[ENV]SPE-LAK-AN-006
Bromoacetic Acid	HAA wtr - DW	ME-CA-[ENV]GC-LAK-AN-013
Bromodichloromethane	VOC wtr - THM	ME-CA-[ENV]GC-LAK-AN-004
Bromoform	VOC wtr - THM	ME-CA-[ENV]GC-LAK-AN-004
Chloroacetic Acid	HAA wtr - DW	ME-CA-[ENV]GC-LAK-AN-013
Chloroform	VOC wtr - THM	ME-CA-[ENV]GC-LAK-AN-004
Dibromoacetic Acid	HAA wtr - DW	ME-CA-[ENV]GC-LAK-AN-013
Dibromochloromethane	VOC wtr - THM	ME-CA-[ENV]GC-LAK-AN-004

Method Descriptions

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Page 2 of 3 Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.)



Works #: 220002663

LR Report : CA30259-FEB24

Parameter	Description	SGS Method Code
Dichloroacetic Acid	HAA wtr - DW	ME-CA-[ENV]GC-LAK-AN-013
Nitrate (as N)	Nitrate by Ion Chromatography	ME-CA-[ENV]IC-LAK-AN-001
Nitrate + Nitrite (as N)	Total Nitrate/Nitrite by Ion Chromatograph	ME-CA-[ENV]IC-LAK-AN-001
Nitrite (as N)	Nitrite by Ion Chromatography	ME-CA-[ENV]IC-LAK-AN-001
Total Haloacetic Acids (HAA5)	HAA wtr - DW	ME-CA-[ENV]GC-LAK-AN-013
Trichloroacetic Acid	HAA wtr - DW	ME-CA-[ENV]GC-LAK-AN-013
Trihalomethanes (total)	VOC wtr - THM	ME-CA-[ENV]GC-LAK-AN-004

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Page 3 of 3

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Veolia Water (Lucknow)

Attn : Steve Walmsley

Box 185 Goderich, ON N0G 2R0, Canada

Phone: 519-524-6583 Fax:pdf 16-January-2024

Date Rec.: 09 January 2024 LR Report: CA30212-JAN24

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CERTIFICATE OF ANALYSIS Final Report

Sample ID	Sample Date & Time	Temperature Upon Receipt at London Lab °C	Temperature Upon Receipt at Lakefield Lab °C	Free Chlorine mg/L	Field pH	Alkalinity mg/L as CaCO3	Lead ug/L	pH No unit
1: Analysis Start Date						11-Jan-24	15-Jan-24	11-Jan-24
2: Analysis Start Time						15:12	19:58	15:12
3: Analysis Completed Date						12-Jan-24	16-Jan-24	12-Jan-24
4: Analysis Completed Time						11:59	09:10	12:00
5: MAC							10	
6: AO/OG					6.5-8.5	30-500		6.5-8.5
7: MDL						2	0.01	
8: DW LLS	09-Jan-24 11:30	7.2	8.0	1.47	8.10	220	0.33	7.96
9: DW L5	09-Jan-24 11:45	7.2	8.0	1.56	8.03	227	0.04	7.99
10: DW South Lucknow (ACW) 86667	09-Jan-24 12:00	7.2	8.0	1.45	8.18	228	0.13	7.99

MAC - Maximum Acceptable Concentration AO/OG - Aesthetic Objective / Operational Guideline

MDL - SGS Method Detection Limit

Method Descriptions

Units	Description	SGS Method Code
mg/L as CaCO3	Alkalinity by Titration	ME-CA-[ENV]EWL-LAK-AN-006
ug/L	Lead by ICP-MS Drinking Water	ME-CA-[ENV]SPE-LAK-AN-006
No unit	pH - solution	ME-CA-[ENV]EWL-LAK-AN-006

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Page 1 of 1 Results relate only to the sample tested. Data reported represents the sample submitted to SGS. Reproduction of this analytical report in full or in part is prohibited without prior written approval. Please refer to SGS General Conditions of Services located at https://www.sgs.ca/en/terms-and-conditions (Printed copies are available upon request.) Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples. SGS Canada Inc. Environment-Health & Safety statement of conformity decision rule does not consider uncertainty when analytical results are compared to a specified standard or