



SGS Canada Inc.

P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - KOL 2H0
Phone: 705-652-2000 FAX: 705-652-6365

Veolia Water (Lucknow)

Attn : Steve Walmsley

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N0G 2R0, Canada

Phone: 519-524-6583
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Works #: 220002663

17-May-2024

Date Rec. : 07 May 2024
LR Report: CA30148-MAY24

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CERTIFICATE OF ANALYSIS

Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: MAC	6: Half MAC	7: MDL	8: TW Lucknow #4 - Treated	9: DW 484 Ludgard	10: TW Lucknow #5 - Treated	11: DW Firehall	12: DW South 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	---	0.003 <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	---	0.34 <MDL	0.34 <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	---	0.37 <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	---	5.3 <MDL	---
Chloroacetic Acid [ug/L]	15-May-24	08:17	16-May-24	17:25	---	---	4.7	---	4.7 <MDL	---	4.7 <MDL	---
Bromoacetic Acid [ug/L]	15-May-24	08:17	16-May-24	17:25	---	---	2.9	---	2.9 <MDL	---	2.9 <MDL	---
Dichloroacetic Acid [ug/L]	15-May-24	08:17	16-May-24	17:25	---	---	2.6	---	2.6 <MDL	---	2.6 <MDL	---
Dibromoacetic Acid [ug/L]	15-May-24	08:17	16-May-24	17:25	---	---	2.0	---	2.0 <MDL	---	2.0 <MDL	---
Trichloroacetic Acid [ug/L]	15-May-24	08:17	16-May-24	17:25	---	---	5.3	---	5.3 <MDL	---	5.3 <MDL	---

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

Method Descriptions



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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

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



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Veolia Water (Lucknow)

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Phone: 519-524-6583
Fax:pdf

Works #: 220002663

22-February-2024

Date Rec. : 13 February 2024
LR Report: CA30259-FEB24

Copy: #1

CERTIFICATE OF ANALYSIS

Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: MAC	6: Half MAC	8: MDL	9: TW Lucknow #4 - Treated	10: 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	---
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
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
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	---	---

OnLine LIMS

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Works #: 220002663

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
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	---	---	---
Nitrate (as N) [mg/L]	---	0.006 <MDL	---	---	---
Nitrate + Nitrite (as N) [mg/L]	---	0.006 <MDL	---	---	---
Trihalomethanes (total) [ug/L]	---	---	2.0	---	7.8
Bromodichloromethane [ug/L]	---	---	0.30	---	1.5
Bromoform [ug/L]	---	---	0.34 <MDL	---	0.34 <MDL
Chloroform [ug/L]	---	---	1.8	---	5.8
Dibromochloromethane [ug/L]	---	---	0.37 <MDL	---	0.46
Total Haloacetic Acids (HAA5) [ug/L]	5.3 <MDL	---	---	5.3 <MDL	---
Chloroacetic Acid [ug/L]	4.7 <MDL	---	---	4.7 <MDL	---
Bromoacetic Acid [ug/L]	2.9 <MDL	---	---	2.9 <MDL	---
Dichloroacetic Acid [ug/L]	2.6 <MDL	---	---	2.6 <MDL	---
Dibromoacetic Acid [ug/L]	2.0 <MDL	---	---	2.0 <MDL	---
Trichloroacetic Acid [ug/L]	5.3 <MDL	---	---	5.3 <MDL	---

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

Method Descriptions

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



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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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16-January-2024

Veolia Water (Lucknow)

Attn : Steve Walmsley

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


 Carrie Greenlaw
 Project Specialist,
 Environment, Health & Safety