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**VIA ELECTRONIC MAIL**

December 12, 2019

Mr. Aaron Fischer
Remedial Bureau B
Division of Environmental Remediation
New York State Department of Environmental Conservation
625 Broadway – 12th Floor
Albany, New York 12233-7016

**Subject:** **Monthly Progress Report**
**GE Main Plant (Site No. 4-47-004)**
**Schenectady, New York**

Dear Aaron:

Pursuant to Section III of the Order on Consent and Administrative Settlement (Index No. A4-0562-0806) regarding General Electric Company's (GE's) Main Plant in Schenectady, New York, please find attached the Monthly Progress Report covering November 2019. As always, please call me if you have any questions.

Sincerely,

Tom D. Antonoff
Senior Project Manager

Attachment

cc: Stephanie Selmer, NYSDOH (via email)
Ben Conlon, Esq., NYSDEC (via email)
Damian Foti, GE (via email)
Eric Merrifield, GE (via email)
Angelica Todd, GE (via email)
Matt Sausville, Ramboll (via email)
Paul Hare, Ramboll (via email)

# MONTHLY PROGRESS REPORT

## Order on Consent and Administrative Settlement
## (Index No. A4-0562-0806)
## GE Main Plant (Site No. 4-47-004)
## Schenectady, New York

**Month Covered:** November 2019

**I. Actions Taken During Month:**

- The Monthly Progress Report (MPR) was submitted to the New York State Departments of Environmental Conservation and Health (NYSDEC and NYSDOH, respectively) on or before November 15, 2019 (or the next business day if on a weekend or holiday).

- O'Brien & Gere Engineers, Inc. (OBG, a Ramboll company) continued operation, maintenance and monitoring (OM&M) of the Seep Collection and Treatment System (SCTS) throughout the month. OBG performed weekly sampling events on November 6, 13, 20 and 25, 2019. System optimization samples were collected on November 11, 2019 to evaluate the water quality of the backwash effluent from the sand filters. System information was collected and recorded during each site visit on operations log sheets, which are attached.

- OBG continued well sampling for the annual groundwater monitoring program.

- OBG completed the Zone 2 and Zone 3 Shallow Groundwater Treatment System (SGTS) injections at the designated "B" well locations on November 1, 2019. The SGTS injection operations logs were provided in the MPR for October 2019.

- On November 14, 2019, OBG completed the fourth quarter inspections for the City Water Main, Phase 3W, Phase 5A, Phase 5B and Phase 5 C soil/asphalt cover systems. The inspection reports are attached.

- OBG completed the annual inspection of the Seep 1 and Seep 8 armoring on November 14, 2019. The inspection reports are attached.

- OBG continued preparation of the 2018 OM&M Report and annual 2019 Agronomic Cover System Inspection Report.

- GE continued working with NYSDEC's real estate group to draft the site's environmental covenant. The preparation of a site plan is pending approval from NYSDEC real estate group.

**II. Analytical and Other Results Obtained During Month:**

- Weekly analytical results are attached for the samples collected from the SCTS on November 6, 13, 20 and 25, 2019.

- Analytical results are attached for the SCTS system optimization samples collected on November 11, 2019.

- Analytical results for the second semi-annual enhanced bioremediation and DM-405F sampling events for samples collected from October 24 through October 29, 2019 are attached.

- Analytical results are attached for the annual groundwater monitoring samples collected on October 30 through November 8, 2019. Analytical results for other annual groundwater samples are pending.

**III. Deliverables Submitted or Approved During Month:**

- OBG submitted the 2018 Groundwater and Surface Water Monitoring Report on November 26, 2019.

**IV. Actions Scheduled for Following Month:**

- GE will submit this MPR to NYSDEC and NYSDOH on or before December 15, 2019 (or the following business day if on a weekend or holiday).

- OBG will continue OM&M of the SCTS, including weekly effluent sampling.

- OBG will complete the fourth quarter sampling associated with the Polychlorinated Biphenyl (PCB) Minimization Work Plan.

- OBG will complete the fourth quarter light non-aqueous phase liquid (LNAPL) gauging and recovery event.

- OBG will complete the annual groundwater sampling event.

- OBG will complete the fourth quarter SGTS performance monitoring event in early December 2019.

- OBG will submit the 2018 OM&M Report to NYSDEC.

**V. Anticipated Delays and Mitigative Measures:**

- None in November 2019.

**VI. Proposed or Approved Modifications:**

- None in November 2019.

**VII. Citizen Participation Activities:**

- None in November 2019.

Attachments

**Operations Logs for Seep Collection & Treatment System**

# OPERATIONS LOG SHEET
## ENHANCED SEEP COLLECTION SYSTEM
## GENERAL ELECTRIC MAIN PLANT
## SCHENECTADY, NEW YORK

| PARAMETER | UNITS | EQUIPMENT TAG | DESCRIPTION | DATE: | 11/1/19 | 11/4/19 | 11/5/19 | 11/6/19 |
|---|---|---|---|---|---|---|---|---|
| | | | | TIME: | 1400 | 1400 | 1400 | |
| | | | | INITIALS: | DS | DS | DS | |
| **SEEP COLLECTION PUMP STATIONS (SEEP 1 - 4, SEEP 5 AND SEEP 6)** | | | | | | | | |
| SEEP 1 - 4 PUMP RUN | Y/N | P-100A | SEEP 1-4 P-STATION PUMP | | Y | Y | Y | Y |
| SEEP 5 PUMP RUN | Y/N | P-100B | SEEP 5 P-STATION PUMP | | Y | Y | Y | Y |
| SEEP 6 PUMP RUN | Y/N | P-100C | SEEP 6 P-STATION PUMP | | N | N | N | N |
| **INFLUENT TANK (T-101)** | | | | | | | | |
| FLOW METER - 100A (FM-A) | GPM | FQIT-100A | S1-4 IN-FLOW | | 26.40 | 26.56 | 26.35 | 26.05 |
| FLOW METER - 100B (FM-B) | GPM | FQIT-100B | S5 IN-FLOW | | 50.85 | 49.63 | 48.46 | 49.57 |
| FLOW METER - 100C (FM-C) | GPM | FQIT-100C | S6 IN-FLOW | | — | — | — | — |
| FLOW METER - 101 | GPM | FQIT-101 | INF TK OUT-FLOW | | 28.97 | 45.37 | 30.29 | 28.20 |
| FLOW METER - 100A | TOTAL | FQIT-100A | S1-4 IN-FLOW | | 14,231,900 | 14,320,400 | 14,347,800 | 14,375,200 |
| FLOW METER - 100B | TOTAL | FQIT-100B | S5 IN-FLOW | | 1,631,100 | 1,683,900 | 1697,300 | 1,710,900 |
| FLOW METER - 100C | TOTAL | FQIT-100C | S6 IN-FLOW | | — | 6 40,044 | 640,044 | 640,044 |
| FLOW METER - 101 | TOTAL | FQIT-101 | INF TK OUT-FLOW | | 4,340,400 | 4,489,700 | 4,531,700 | 4,571,500 |
| BLOWER RUNNING | Y/N | B-101 | INF TK BLOWER | | Y | Y | Y | Y |
| BLOWER PRESSURE | PSI | PI-101 | INF TK BLOWER PRESS. | | 4 | 3 | 4 | 3 |
| VFD RATE | Hz | B-101 | INF TK BLOWER VFD | | 50.02 | 49.96 | 50.02 | 49.96 |
| INF. PUMP A RUNNING | Y/N | P-101A | PUMP TO CLARIF. | | N | N | N | N |
| VFD RATE | Hz | P-101A | PUMP TO CLARIF. VFD | | — | — | — | — |
| INF PUMP PRESSURE | PSI | PI-101A | PI FOR INF. PUMP | | — | — | — | — |
| INF. PUMP B RUNNING | Y/N | P-101B | PUMP TO CLARIF. | | N | N | N | N |
| VFD RATE | Hz | P-101B | PUMP TO CLARIF. VFD | | — | — | — | — |
| INF PUMP PRESSURE | PSI | PI-101B | PI FOR INF. PUMP | | — | — | — | — |
| INF Ph | SU | AIT-101 | pH FOR INF. WATER | | 7.81 | 7.66 | 7.47 | 7.68 |
| pH Probe checked | Y/N | AIT-101 | pH Probe at influent tank | | Y | Y | Y | Y |
| pH Probe clean (1X/week min) | Y/N | AIT-101 | pH Probe at influent tank | | Y | N | N | N |
| INF TANK LEVEL | inwc | T-101 | LEVEL TRANSMIT. | | 35.67 | 72.76 | 46.74 | 31.37 |
| RECIRC PUMP RUNNING | Y/N | P-102 | IN TK RECIRC PUMP | | Y | Y | Y | Y |
| VFD RATE | Hz | P-102 | IN TK RECIRC VFD | | 24.93 | 44.95 | 24.97 | 24.97 |
| CAUSTIC PUMP RUNNING | Y/N | P-201 | IN TK CAUSTIC ADD | | Y | Y | Y | Y |
| CAUSTIC TANK LEVEL | L | T-201 | IN TK CAUSTIC ADD | | 70gal/36" | 69gal/36" | 68gal/36" | 68gal/36" |
| CAUSTIC USAGE | GAL | T-201 | CAUSTIC USAGE | | 5 gal | 1 gal | 1 gal | — |
| CAUSTIC USAGE | TOT | T-201 | CAUSTIC USAGE | | — | — | — | — |
| **CLARIFIER SYSTEM (T-103B)** | | | | | | | | |
| FLASH MIX TANK MIXER RUN. | Y/N | M-102 | COAG MIXER | | Y | Y | Y | Y |
| COAGULANT PUMP RUNNING | Y/N | P-202 | COAG PUMP | | Y | Y | Y | Y |
| COAGULANT LEVEL | % Full | T-202 | COAG TANK | | 71gal/38" | 65gal/35" | 64gal/34" | 62gal/35" |
| COAGULANT DOSE RATE | mg/l | FE-202 | COAG FLOW TO TANK | | 16 | 16 | 16 | 16 |
| FLOC TANK MIXER RUNNING | Y/N | M-103A | FLOC MIXER | | Y | Y | Y | Y |
| FLOCCULANT PUMP RUNNING | Y/N | P-203 | FLOC PUMP | | Y | Y | Y | Y |
| FLOC LEVEL | % Full | T-203 | FLOC TANK LEVEL | | 50% | 60% | 60% | 60% |

6 gal/in 1/2" 5.9 gal/in

**OPERATIONS LOG SHEET**
**ENHANCED SEEP COLLECTION SYSTEM**
**GENERAL ELECTRIC MAIN PLANT**
**SCHENECTADY, NEW YORK**

| PARAMETER | UNITS | EQUIPMENT TAG | DESCRIPTION | DATE: | 11/1/19 | 11/4/19 | 11/5/19 | 11/6/19 |
|---|---|---|---|---|---|---|---|---|
| | | | | TIME: | 1400 | 1400 | 1400 | 1400 |
| | | | | INITIALS: | DS | DS | DS | DS |
| FLOCCULANT DOSE RATE | GPM | FE-203 | DILUTED FLOC TO FLOC MIX TK | | 1 | 1 | 1 | 1 |
| CLARIFIER RAKE MIXER RUN. | Y/N | M-103B | CLARIFIER MIXER | | Y | Y | Y | Y |
| CLARIFIER SLUDGE PUMP RUN. | Y/N | P-103 | SLUDGE PUMP TO GEOTUBE | | Y | Y | Y | Y |
| AIR COMPRESSOR RUNNING | Y/N | C-302 | SLUDGE PUMP POWER | | Y | Y | Y | Y |
| AIR COMPRESSOR PRESSURE | PSI | PI-302 | AIR COMP. PRESSURE | | — | — | — | 145 |
| CLARIFIER EFF TANK LEVEL | FEET | T-104 | GRAVITY TANK POST CLAR. | | 3' | 3 | 3 | 2 |
| CLARIFIER EFF PUMP A RUN | Y/N | P-104A | PUMP TO FILTRATION | | Y | N | N | N |
| VFD RATE | Hz | P-104A | PUMP RATE TO FILTRATION | | 35.01 | — | — | — |
| CLARIFIER EFF. PUMP PRESSURE | PSI | PI-104A | PUMP PRESSURE TO FILT. | | 42 | — | — | — |
| CLARIFIER EFF PUMP B RUN | Y/N | P-104B | PUMP TO FILTRATION | | N | Y | Y | Y |
| VFD RATE | Hz | P-104B | PUMP RATE TO FILTRATION | | — | 35 | 34.98 | 35.02 |
| CLARIFIER EFF. PUMP PRESSURE | PSI | PI-104B | PUMP PRESSURE TO FILT. | | — | 33 | 34 | 38 |
| **GEOTUBE SYSTEM** | | | | | | | | |
| GEOTUBE CONTAINER 1 LEVEL | EST. | G-101 | GEOTUBE DEWATERING BOX | | 95 | 95 | 95 | 95 |
| GEOTUBE CONTAINER 2 LEVEL | EST. | G-102 | GEOTUBE DEWATERING BOX | | 5 | 20 | 20 | 20 |
| GEOTUBE DISPOSAL | Y/N | G-101/G-102 | GEOTUBE DEWATERING BOX | | N | N | N | N |
| GEOTUBE DISPOSAL QTY | TON | G-101/G-102 | WEIGHT OF MATERIAL DISPOSED | | — | — | — | — |
| POLYMER PUMP RUNNING | Y/N | P-205 | POLY ADD TO SLUDGE | | Y | Y | Y | Y |
| POLYMER DOSE | GPM | FE-205 | POLY FLOW TO SLUDGE | | 0.580 | 0.580 | 0.580 | 0.580 |
| POLYMER TANK LEVEL | % Full | T-205 | POLYMER LEVEL IN TANK | | 11" | 8" | 7" | 6" |
| **FILTRATION SYSTEM** | | | | | | | | |
| SAND FILTER A IN-USE | Y/N | TA-105A | SAND FILTER | | Y | Y | Y | Y |
| SAND FILTER A BACKWASH | Y/N | TA-105A | SAND FILTER | | Y | Y | N | N |
| INLET PRESSURE | PSI | PI-105A/PI-703 | INLET PRESSURE TO SAND | | 36 | 27 | 28 | 30 |
| OUTLET PRESSURE | PSI | PDSH-105A | OUTLET PRESS. TO BAG FIL. | | 22 | 18 | 17 | 16 |
| PRESSURE DIFFERENTIAL | PSI | PDSH-105A | PRESSURE DIFFERNTIAL | | 14 | 9 | 11 | 14 |
| SAND FILTER B IN-USE | Y/N | TA-105B | SAND FILTER | | Y | Y | Y | Y |
| SAND FILTER B BACKWASH | Y/N | TA-105B | SAND FILTER | | Y | Y | Y | N |
| INLET PRESSURE | PSI | PI-105B/PI-703 | INLET PRESSURE TO SAND | | 36 | 27 | 28 | 30 |
| OUTLET PRESSURE | PSI | PDSH-105B | OUTLET PRESS. TO BAG FIL. | | 22 | 18 | 17 | 16 |
| PRESSURE DIFFERENTIAL | PSI | PDSH-105B | PRESSURE DIFFERNTIAL | | 14 | 9 | 11 | 14 |
| BAG FILTER 701 IN-USE | Y/N | F-701A | 10, 5 and 1 MICRON BAG FILTER | | Y | Y | Y | Y |
| INLET PRESSURE | PSI | PI-701A | INLET PRESSURE IN BF | | 22 | 18 | 16 | 15 |
| OUTLET PRESSURE | PSI | PI-704 | OUTLET PRESSURE IN BF | | 16 | 16 | 14 | 13 |
| PRESSURE DIFFERENTIAL | PSI | PDSH-701A | PRESSURE DIFFERNTIAL | | 6 | 2 | 2 | 2 |
| BAG CHANGES | Y/N | F-701A | BAG FILTER | | N | N | N | N |
| BAG FILTER 702 IN-USE | Y/N | F-702A | 10, 5 and 1 MICRON BAG FILTER | | Y | Y | Y | Y |
| INLET PRESSURE | PSI | PI-702A | INLET PRESSURE IN BF | | 22 | 18 | 16 | ~~18~~ 15 |
| OUTLET PRESSURE | PSI | PI-704 | OUTLET PRESSURE IN BF | | 16 | 16 | 14 | 13 |
| PRESSURE DIFFERENTIAL | PSI | PDSH-702A | PRESSURE DIFFERNTIAL | | 6 | 2 | 2 | 2 |

# OPERATIONS LOG SHEET
## ENHANCED SEEP COLLECTION SYSTEM
## GENERAL ELECTRIC MAIN PLANT
## SCHENECTADY, NEW YORK

| PARAMETER | UNITS | EQUIPMENT TAG | DESCRIPTION | DATE: | 11/1/19 | 11/4/19 | 11/5/19 | 11/6/19 |
|---|---|---|---|---|---|---|---|---|
| | | | | TIME: | 1400 | 1400 | 1400 | 1400 |
| | | | | INITIALS: | DS | DS | | DS |
| BAG CHANGE | Y/N | F-702A | BAG FILTER | | N | N | N | N |
| CARBON FILTER 1 IN-USE | Y/N | TA-106A | CARBON FILTER | | Y | Y | Y | Y |
| CARBON FILTER 1 BACKWASH | Y/N | TA-106A | CARBON FILTER | | N | N | N | N |
| INLET PRESSURE | PSI | PI-106A | INLET PRESSURE FROM BF | | 16. | 16 | 14 | 13. |
| OUTLET PRESSURE | PSI | PI-106B | OUTLET PRESS. TO EFF-TK | | 15 | 14 | 12 | 12 |
| PRESSURE DIFFERENTIAL | PSI | | PRESSURE DIFFERNTIAL | | 1 | 2 | 2 | 1 |
| CARBON FILTER 2 IN-USE | Y/N | TA-106B | CARBON FILTER | | Y | Y | Y | Y |
| CARBON FILTER 2 BACKWASH | Y/N | TA-106B | CARBON FILTER | | N | N | N | N |
| INLET PRESSURE | PSI | PI-106B | INLET PRESSURE FROM BF | | 16 | 16 | 14 | 13 |
| OUTLET PRESSURE | PSI | | OUTLET PRESS. TO EFF-TK | | 15 | 14 | 12 | 12 |
| PRESSURE DIFFERENTIAL | PSI | | PRESSURE DIFFERNTIAL | | 1 | 2 | 2 | 1 |
| BACKWASH PUMP A RUN | Y/N | P-305A | BACKWASH PUMP TO FILT. | | N | N | N | N |
| BACKWASH PRESSURE | PSI | PI-305A | BACKWASH PRESSURE | | — | — | — | — |
| BACKWASH PUMP B RUN | Y/N | P-305B | BACKWASH PUMP TO FILT. | | Y | Y | Y | N |
| BACKWASH PRESSURE | PSI | PI-30BA | BACKWASH PRESSURE | | 94 | 93 | 93 | — |
| **EFFLUENT AND FINAL HOLDING TANK (T-107 AND T-401)** | | | | | | | | |
| EFFLUENT FLOW METER | GPM | FQIT-107 | FLOW RATE FROM FILTERS | | 66.03 | 56.53 | 53.76 | 52.56 |
| EFF. FLOW METER TOTAL | TOT. | FQIT-107 | TOTAL FLOW | | 2,922,100 | 3,064,200 | 3,089,700 | 3,126,700 |
| EFFLUENT TANK LEVEL | inwc | T-107 | TANK LEVEL | | 82.58 | 102.75 | 103.40 | 106.54 |
| pH METER | SU | AIT-107 | EFF. pH | | 7.84 | 7.88 | 7.90 | 7.91 |
| DISSOLVED OXYGEN (DOM-107) | DO | AIT-107A | EFF.DO READING | | 0.02 | 0.06 | 0.09 | 0.05 |
| TURBIDITY (TBM-107) | NTU | AIT-107B | EFF. TURBIDITY | | 0.46 | 0.47 | 0.48 | 0.48 |
| FINAL HOLIDING TANK LEVEL | FEET | T-401 | FH TK LEVEL | | 3 | 2 | 1 | 3 |
| IRRIG. PUMP RUNNING | Y/N | P-401 | IRRIGATION SYSTEM | | N | N | N | N |
| VFD RATE | Hz | P-401 | IRRIGATION SYSTEM | | — | — | — | — |
| GRAVITY OUTFALL IN-USE | Y/N | OF-101 | OUTFALL TO POENTIC KILL | | Y | Y | Y | Y |
| **BUILDING SYSTEM COMPONENTS** | | | | | | | | |
| EXHAUST FAN NW IN-USE | Y/N | EF-1 | EXHAUST FANS | | N | N | N | N |
| EXHAUST FAN NE IN-USE | Y/N | EF-2 | EXHAUST FANS | | N | N | N | N |
| BUILDING HEATERS IN-USE | Y/N | UH-1-8 | HEATERS | | Y | Y | Y | Y |
| BUILDING TEMPERATURE | DEG. F | | BLDG. TEMP | | 75 | 75 | 75 | 75 |
| OVERHEAD DOOR SW OPER. | Y/N | | OVERHEAD DOOR | | Y | Y | Y | Y |
| OVERHEAD DOOR NE OPER. | Y/N | | OVERHEAD DOOR | | Y | Y | Y | Y |
| OVERHEAD DOOR SE OPER. | Y/N | | OVERHEAD DOOR | | Y | Y | Y | Y |
| BLDG CONT SYS OPERATIONAL | Y/N | | REMOTE TELEMETRY SYS | | Y | Y | Y | Y |

**GENERAL COMMENTS**

# OPERATIONS LOG SHEET
## ENHANCED SEEP COLLECTION SYSTEM
## GENERAL ELECTRIC MAIN PLANT
## SCHENECTADY, NEW YORK

| PARAMETER | UNITS | EQUIPMENT TAG | DESCRIPTION | DATE: | 11/7/19 | 11/8/19 | 11/11/19 | 11/12/19 |
|---|---|---|---|---|---|---|---|---|
| | | | | TIME: | 1400 | 1200 | 1200 | 1400 |
| | | | | INITIALS: | DS | DS | DS | DS |
| **SEEP COLLECTION PUMP STATIONS (SEEP 1 - 4, SEEP 5 AND SEEP 6)** | | | | | | | | |
| SEEP 1 - 4 PUMP RUN | Y/N | P-100A | SEEP 1-4 P-STATION PUMP | | Y | Y | Y | Y |
| SEEP 5 PUMP RUN | Y/N | P-100B | SEEP 5 P-STATION PUMP | | Y | Y | Y | Y |
| SEEP 6 PUMP RUN | Y/N | P-100C | SEEP 6 P-STATION PUMP | | N | N | N | N |
| **INFLUENT TANK (T-101)** | | | | | | | | |
| FLOW METER - 100A (FM-A) | GPM | FQIT-100A | S1-4 IN-FLOW | | 24.47 | 25.26 | 24.38 | 23.35 |
| FLOW METER - 100B (FM-B) | GPM | FQIT-100B | S5 IN-FLOW | | 48.12 | 48.32 | 47.87 | 46.34 |
| FLOW METER - 100C (FM-C) | GPM | FQIT-100C | S6 IN-FLOW | | — | — | — | — |
| FLOW METER - 101 | GPM | FQIT-101 | INF TK OUT-FLOW | | 30.76 | 32.35 | 30.06 | 41.43 |
| FLOW METER - 100A | TOTAL | FQIT-100A | S1-4 IN-FLOW | | 14411,300 | 14431,500 | 14,521,200 | 14,549,200 |
| FLOW METER - 100B | TOTAL | FQIT-100B | S5 IN-FLOW | | 1,728,400 | 1,739,000 | 1,781,580 | 1,795,900 |
| FLOW METER - 100C | TOTAL | FQIT-100C | S6 IN-FLOW | | 640,044 | 640,044 | 640,044 | 640,044 |
| FLOW METER - 101 | TOTAL | FQIT-101 | INF TK OUT-FLOW | | 4624,500 | 4655,500 | 4,794,400 | 4,839,400 |
| BLOWER RUNNING | Y/N | B-101 | INF TK BLOWER | | Y | Y | Y | Y |
| BLOWER PRESSURE | PSI | PI-101 | INF TK BLOWER PRESS. | | 4 | 4 | 3 | 4 |
| VFD RATE | Hz | B-101 | INF TK BLOWER VFD | | 50.01 | 50.01 | 50.00 | 49.96 |
| INF. PUMP A RUNNING | Y/N | P-101A | PUMP TO CLARIF. | | N | N | N | N |
| VFD RATE | Hz | P-101A | PUMP TO CLARIF. VFD | | — | — | — | — |
| INF PUMP PRESSURE | PSI | PI-101A | PI FOR INF. PUMP | | — | — | — | — |
| INF. PUMP B RUNNING | Y/N | P-101B | PUMP TO CLARIF. | | N | N | N | N |
| VFD RATE | Hz | P-101B | PUMP TO CLARIF. VFD | | — | — | — | — |
| INF PUMP PRESSURE | PSI | PI-101B | PI FOR INF. PUMP | | — | — | — | — |
| INF Ph | SU | AIT-101 | pH FOR INF. WATER | | 7.43 | 7.57 | 7.47 | 7.47 |
| pH Probe checked | Y/N | AIT-101 | pH Probe at influent tank | | Y | Y | Y | Y |
| pH Probe clean (1X/week min) | Y/N | AIT-101 | pH Probe at influent tank | | N | N | N | Y |
| INF TANK LEVEL | inwc | T-101 | LEVEL TRANSMIT. | | 42.67 | 41.87 | 62.01 | 85.25 |
| RECIRC PUMP RUNNING | Y/N | P-102 | IN TK RECIRC PUMP | | Y | Y | Y | Y |
| VFD RATE | Hz | P-102 | IN TK RECIRC VFD | | 24.95 | 29.98 | 47.24 | 34.92 |
| CAUSTIC PUMP RUNNING | Y/N | P-201 | IN TK CAUSTIC ADD | | Y | Y | Y | Y |
| CAUSTIC TANK LEVEL | L | T-201 | IN TK CAUSTIC ADD | | 65gal/34" | 62gal/33" | 52gal/27½" | 46gal/24½" |
| CAUSTIC USAGE | GAL | T-201 | CAUSTIC USAGE | | 3gal | 3gal | 10gal | 6gal |
| CAUSTIC USAGE | TOT | T-201 | CAUSTIC USAGE | | — | — | — | — |
| **CLARIFIER SYSTEM (T-103B)** | | | | | | | | |
| FLASH MIX TANK MIXER RUN. | Y/N | M-102 | COAG MIXER | | Y | Y | Y | Y |
| COAGULANT PUMP RUNNING | Y/N | P-202 | COAG PUMP | | Y | Y | Y | Y |
| COAGULANT LEVEL | % Full | T-202 | COAG TANK | | 60gal/32" | 59gal/31½" | 54gal/29" | 52gal/28½" |
| COAGULANT DOSE RATE | mg/l | FE-202 | COAG FLOW TO TANK | | 16 | 16 | 16 | 16 |
| FLOC TANK MIXER RUNNING | Y/N | M-103A | FLOC MIXER | | Y | Y | Y | Y |
| FLOCCULANT PUMP RUNNING | Y/N | P-203 | FLOC PUMP | | Y | Y | Y | Y |
| FLOC LEVEL | % Full | T-203 | FLOC TANK LEVEL | | 30% | 26% | 65% | 64% |
| | | | | | 3gal/4"* | | 6.5gal/12.5" | 6.4gal/12.25" |

# OPERATIONS LOG SHEET
## ENHANCED SEEP COLLECTION SYSTEM
## GENERAL ELECTRIC MAIN PLANT
## SCHENECTADY, NEW YORK

| PARAMETER | UNITS | EQUIPMENT TAG | DESCRIPTION | DATE: | 11/7/19 | 11/8/19 | 11/11/19 | 11/12/19 |
|---|---|---|---|---|---|---|---|---|
| | | | | TIME: | 1900 | 1200 | 1400 | 1400 |
| | | | | INITIALS: | JS | JS | JS | JS |
| FLOCCULANT DOSE RATE | GPM | FE-203 | DILUTED FLOC TO FLOC MIX TK | | 1 | 1 | 1 | 1 |
| CLARIFIER RAKE MIXER RUN. | Y/N | M-103B | CLARIFIER MIXER | | Y | Y | Y | Y |
| CLARIFIER SLUDGE PUMP RUN. | Y/N | P-103 | SLUDGE PUMP TO GEOTUBE | | Y | Y | Y | Y |
| AIR COMPRESSOR RUNNING | Y/N | C-302 | SLUDGE PUMP POWER | | Y | Y | Y | Y |
| AIR COMPRESSOR PRESSURE | PSI | PI-302 | AIR COMP. PRESSURE | | 150 | 150 | 150 | 150 |
| CLARIFIER EFF TANK LEVEL | FEET | T-104 | GRAVITY TANK POST CLAR. | | 3.5 | 1.5 | 3 | 1.5 |
| CLARIFIER EFF PUMP A RUN | Y/N | P-104A | PUMP TO FILTRATION | | N | N | N | N |
| VFD RATE | Hz | P-104A | PUMP RATE TO FILTRATION | | — | — | — | — |
| CLARIFIER EFF. PUMP PRESSURE | PSI | PI-104A | PUMP PRESSURE TO FILT. | | — | — | — | — |
| CLARIFIER EFF PUMP B RUN | Y/N | P-104B | PUMP TO FILTRATION | | Y | Y | Y | Y |
| VFD RATE | Hz | P-104B | PUMP RATE TO FILTRATION | | 35 | 34.98 | 34.96 | 34.98 |
| CLARIFIER EFF. PUMP PRESSURE | PSI | PI-104B | PUMP PRESSURE TO FILT. | | 42 | 38 | 63 | 36 |
| **GEOTUBE SYSTEM** | | | | | | | | |
| GEOTUBE CONTAINER 1 LEVEL | EST. | G-101 | GEOTUBE DEWATERING BOX | | 90 | 90 | 98% | 99% |
| GEOTUBE CONTAINER 2 LEVEL | EST. | G-102 | GEOTUBE DEWATERING BOX | | 20 | 20 | 20 | 20 |
| GEOTUBE DISPOSAL | Y/N | G-101/G-102 | GEOTUBE DEWATERING BOX | | N | N | N | N |
| GEOTUBE DISPOSAL QTY | TON | G-101/G-102 | WEIGHT OF MATERIAL DISPOSED | | — | — | — | — |
| POLYMER PUMP RUNNING | Y/N | P-205 | POLY ADD TO SLUDGE | | Y | Y | Y | Y |
| POLYMER DOSE | GPM | FE-205 | POLY FLOW TO SLUDGE | | 0.575 | 0.575 | 0.575 | 0.575 |
| POLYMER TANK LEVEL | % Full | T-205 | POLYMER LEVEL IN TANK | | 14" | 13" | 12" | 11" |
| **FILTRATION SYSTEM** | | | | | | | | |
| SAND FILTER A IN-USE | Y/N | TA-105A | SAND FILTER | | Y | Y | Y | Y |
| SAND FILTER A BACKWASH | Y/N | TA-105A | SAND FILTER | | ~~N~~ Y | Y | Y | Y |
| INLET PRESSURE | PSI | PI-105A/PI-703 | INLET PRESSURE TO SAND | | 35 | ~~31~~ 28 | 583 | 29 |
| OUTLET PRESSURE | PSI | PDSH-105A | OUTLET PRESS. TO BAG FIL. | | 15 | ~~18~~ 18 | 28 | 20 |
| PRESSURE DIFFERENTIAL | PSI | PDSH-105A | PRESSURE DIFFERNTIAL | | 20 | ~~14~~ 10 | 25 | 9 |
| SAND FILTER B IN-USE | Y/N | TA-105B | SAND FILTER | | Y | Y | Y | Y |
| SAND FILTER B BACKWASH | Y/N | TA-105B | SAND FILTER | | Y | Y | N | Y |
| INLET PRESSURE | PSI | PI-105B/PI-703 | INLET PRESSURE TO SAND | | 35 | 28 | 53 | 29 |
| OUTLET PRESSURE | PSI | PDSH-105B | OUTLET PRESS. TO BAG FIL. | | 15 | 18 | 28 | 20 |
| PRESSURE DIFFERENTIAL | PSI | PDSH-105B | PRESSURE DIFFERNTIAL | | 20 | 10 | 25 | 9 |
| BAG FILTER 701 IN-USE | Y/N | F-701A | 10, 5 and 1 MICRON BAG FILTER | | Y | Y | Y | Y |
| INLET PRESSURE | PSI | PI-701A | INLET PRESSURE IN BF | | 15 | 18 | 28 | 20 |
| OUTLET PRESSURE | PSI | PI-704 | OUTLET PRESSURE IN BF | | 12 | 15 | 26 | 17 |
| PRESSURE DIFFERENTIAL | PSI | PDSH-701A | PRESSURE DIFFERNTIAL | | 3 | 3 | 2 | 3 |
| BAG CHANGES | Y/N | F-701A | BAG FILTER | | N | N | N | N |
| BAG FILTER 702 IN-USE | Y/N | F-702A | 10, 5 and 1 MICRON BAG FILTER | | Y | Y | Y | Y |
| INLET PRESSURE | PSI | PI-702A | INLET PRESSURE IN BF | | 15 | 18 | 28 | 20 |
| OUTLET PRESSURE | PSI | PI-704 | OUTLET PRESSURE IN BF | | 12 | 15 | 26 | 17 |
| PRESSURE DIFFERENTIAL | PSI | PDSH-702A | PRESSURE DIFFERNTIAL | | 3 | 3 | 2 | 3 |

# OPERATIONS LOG SHEET
## ENHANCED SEEP COLLECTION SYSTEM
## GENERAL ELECTRIC MAIN PLANT
## SCHENECTADY, NEW YORK

| PARAMETER | UNITS | EQUIPMENT TAG | DESCRIPTION | DATE: | 11/7/19 | 11/8/19 | 11/11/19 | 11/12/19 |
|---|---|---|---|---|---|---|---|---|
| | | | | TIME: | 1900 | 1200 | 1400 | 1400 |
| | | | | INITIALS: | DS | DS | DS | DS |
| BAG CHANGE | Y/N | F-702A | BAG FILTER | | N | N | N | N |
| CARBON FILTER 1 IN-USE | Y/N | TA-106A | CARBON FILTER | | Y | Y | Y | Y |
| CARBON FILTER 1 BACKWASH | Y/N | TA-106A | CARBON FILTER | | N | N | N | N |
| INLET PRESSURE | PSI | PI-106A | INLET PRESSURE FROM BF | | 12 | 14 | 19 | 16 |
| OUTLET PRESSURE | PSI | PI-106B | OUTLET PRESS. TO EFF-TK | | 10 | 12 | 16 | 12 |
| PRESSURE DIFFERENTIAL | PSI | | PRESSURE DIFFERNTIAL | | 2 | 2 | 3 | 4 |
| CARBON FILTER 2 IN-USE | Y/N | TA-106B | CARBON FILTER | | Y | Y | Y | Y |
| CARBON FILTER 2 BACKWASH | Y/N | TA-106B | CARBON FILTER | | N | N | N | N |
| INLET PRESSURE | PSI | PI-106B | INLET PRESSURE FROM BF | | 10 | 12 | 19 | 12 |
| OUTLET PRESSURE | PSI | | OUTLET PRESS. TO EFF-TK | | 10 | 12 | 16 | 12 |
| PRESSURE DIFFERENTIAL | PSI | | PRESSURE DIFFERNTIAL | | 0 | 0 | 3 | 0 |
| BACKWASH PUMP A RUN | Y/N | P-305A | BACKWASH PUMP TO FILT. | | N | N | N | N |
| BACKWASH PRESSURE | PSI | PI-305A | BACKWASH PRESSURE | | — | — | — | — |
| BACKWASH PUMP B RUN | Y/N | P-305B | BACKWASH PUMP TO FILT. | | Y | Y | Y | Y |
| BACKWASH PRESSURE | PSI | PI-30BA | BACKWASH PRESSURE | | 93 | 93 | 94 | 94 |
| **EFFLUENT AND FINAL HOLDING TANK (T-107 AND T-401)** | | | | | | | | |
| EFFLUENT FLOW METER | GPM | FQIT-107 | FLOW RATE FROM FILTERS | | 47.90 | 53.75 | 64.94 | 52.68 |
| EFF. FLOW METER TOTAL | TOT. | FQIT-107 | TOTAL FLOW | | 3,173,600 | 3,203,100 | 3,324,000 | 3,363,600 |
| EFFLUENT TANK LEVEL | inwc | T-107 | TANK LEVEL | | 105.89 | 75.93 | 83.90 | 75.15 |
| pH METER | SU | AIT-107 | EFF. pH | | 7.91 | 7.94 | 7.95 | 7.88 |
| DISSOLVED OXYGEN (DOM-107) | DO | AIT-107A | EFF.DO READING | | 0.05 | 0.02 | 0.13 | 0.02 |
| TURBIDITY (TBM-107) | NTU | AIT-107B | EFF. TURBIDITY | | 0.48 | 0.48 | 0.48 | 0.48 |
| FINAL HOLIDING TANK LEVEL | FEET | T-401 | FH TK LEVEL | | 2' | 1 1/2 | 1 | 3 |
| IRRIG. PUMP RUNNING | Y/N | P-401 | IRRIGATION SYSTEM | | N | N | N | N |
| VFD RATE | Hz | P-401 | IRRIGATION SYSTEM | | — | — | — | — |
| GRAVITY OUTFALL IN-USE | Y/N | OF-101 | OUTFALL TO POENTIC KILL | | Y | Y | Y | Y |
| **BUILDING SYSTEM COMPONENTS** | | | | | | | | |
| EXHAUST FAN NW IN-USE | Y/N | EF-1 | EXHAUST FANS | | N | N | N | N |
| EXHAUST FAN NE IN-USE | Y/N | EF-2 | EXHAUST FANS | | N | N | N | N |
| BUILDING HEATERS IN-USE | Y/N | UH-1-8 | HEATERS | | Y | Y | Y | Y |
| BUILDING TEMPERATURE | DEG. F | | BLDG. TEMP | | 75 | 75 | 75 | 75° |
| OVERHEAD DOOR SW OPER. | Y/N | | OVERHEAD DOOR | | Y | Y | Y | Y |
| OVERHEAD DOOR NE OPER. | Y/N | | OVERHEAD DOOR | | Y | Y | Y | Y |
| OVERHEAD DOOR SE OPER. | Y/N | | OVERHEAD DOOR | | Y | Y | Y | Y |
| BLDG CONT SYS OPERATIONAL | Y/N | | REMOTE TELEMETRY SYS | | Y | Y | Y | Y |

GENERAL COMMENTS

Floc MIXER MAL FUNCTION ~~TEST~~ 5.9 gal to waste, after adding 5 gal I move to waste due to open valve.

# OPERATIONS LOG SHEET
## ENHANCED SEEP COLLECTION SYSTEM
## GENERAL ELECTRIC MAIN PLANT
## SCHENECTADY, NEW YORK

| PARAMETER | UNITS | EQUIPMENT TAG | DESCRIPTION | DATE: | 11/13/19 | 11/14/19 | 11/15/19 | 11/18/19 |
|---|---|---|---|---|---|---|---|---|
| | | | | TIME: | 1400 | 1400 | 1400 | 1400 |
| | | | | INITIALS: | DS | DS | DS | DS |
| **SEEP COLLECTION PUMP STATIONS (SEEP 1 - 4, SEEP 5 AND SEEP 6)** | | | | | | | | |
| SEEP 1 - 4 PUMP RUN | Y/N | P-100A | SEEP 1-4 P-STATION PUMP | | Y | Y | Y | Y |
| SEEP 5 PUMP RUN | Y/N | P-100B | SEEP 5 P-STATION PUMP | | Y | Y | Y | Y |
| SEEP 6 PUMP RUN | Y/N | P-100C | SEEP 6 P-STATION PUMP | | N | N | N | N |
| **INFLUENT TANK (T-101)** | | | | | | | | |
| FLOW METER - 100A (FM-A) | GPM | FQIT-100A | S1-4 IN-FLOW | | 23.38 | 23.54 | 24.12 | 21.97 |
| FLOW METER - 100B (FM-B) | GPM | FQIT-100B | S5 IN-FLOW | | 46.62 | 45.77 | 46.40 | 45.75 |
| FLOW METER - 100C (FM-C) | GPM | FQIT-100C | S6 IN-FLOW | | — | — | — | — |
| FLOW METER - 101 | GPM | FQIT-101 | INF TK OUT-FLOW | | 36.04 | 40.27 | 37.98 | 30.92 |
| FLOW METER - 100A | TOTAL | FQIT-100A | S1-4 IN-FLOW | | 14,580,500 | 14,607,100 | 14,635,700 | 14,719,200 |
| FLOW METER - 100B | TOTAL | FQIT-100B | S5 IN-FLOW | | 1,810,800 | 1,823,700 | 1,837,400 | 1,878,800 |
| FLOW METER - 100C | TOTAL | FQIT-100C | S6 IN-FLOW | | 640,044 | 640,044 | 640,044 | 640,044 |
| FLOW METER - 101 | TOTAL | FQIT-101 | INF TK OUT-FLOW | | 4,885,300 | 4,928,600 | 4,971,200 | 5,098,000 |
| BLOWER RUNNING | Y/N | B-101 | INF TK BLOWER | | Y | Y | Y | Y |
| BLOWER PRESSURE | PSI | PI-101 | INF TK BLOWER PRESS. | | 3 | 3 | 3 | 3 |
| VFD RATE | Hz | B-101 | INF TK BLOWER VFD | | 49.95 | 49.95 | 49.99 | 49.98 |
| INF. PUMP A RUNNING | Y/N | P-101A | PUMP TO CLARIF. | | N | N | N | N |
| VFD RATE | Hz | P-101A | PUMP TO CLARIF. VFD | | — | — | — | — |
| INF PUMP PRESSURE | PSI | PI-101A | PI FOR INF. PUMP | | — | — | — | — |
| INF. PUMP B RUNNING | Y/N | P-101B | PUMP TO CLARIF. | | N | N | N | N |
| VFD RATE | Hz | P-101B | PUMP TO CLARIF. VFD | | — | — | — | — |
| INF PUMP PRESSURE | PSI | PI-101B | PI FOR INF. PUMP | | — | — | — | — |
| INF Ph | SU | AIT-101 | pH FOR INF. WATER | | 7.61 | 7.55 | 7.71 | 7.80 |
| pH Probe checked | Y/N | AIT-101 | pH Probe at influent tank | | Y | Y | Y | Y |
| pH Probe clean (1X/week min) | Y/N | AIT-101 | pH Probe at influent tank | | N | N | Y | N |
| INF TANK LEVEL | inwc | T-101 | LEVEL TRANSMIT. | | 38.00 | 75.65 | 45.36 | 31.52 |
| RECIRC PUMP RUNNING | Y/N | P-102 | IN TK RECIRC PUMP | | Y | Y | Y | Y |
| VFD RATE | Hz | P-102 | IN TK RECIRC VFD | | 34.98 | 34.93 | 34.99 | 29.96 |
| CAUSTIC PUMP RUNNING | Y/N | P-201 | IN TK CAUSTIC ADD | | Y | Y | Y | Y |
| CAUSTIC TANK LEVEL | L | T-201 | IN TK CAUSTIC ADD | | 42gal/22" | 40gal/21" | 36gal/19½" | 85gal/44" |
| CAUSTIC USAGE | GAL | T-201 | CAUSTIC USAGE | | 10 gal | 2 gal | 4 gal | 6 gal |
| CAUSTIC USAGE | TOT | T-201 | CAUSTIC USAGE | | — | — | — | 55 ~~75~~ gal. |
| **CLARIFIER SYSTEM (T-103B)** | | | | | | | | |
| FLASH MIX TANK MIXER RUN. | Y/N | M-102 | COAG MIXER | | Y | Y | Y | Y |
| COAGULANT PUMP RUNNING | Y/N | P-202 | COAG PUMP | | Y | Y | Y | Y |
| COAGULANT LEVEL | % Full | T-202 | COAG TANK | | 51gal/27½" | 50gal/27" | 48gal/26" | 43gal/23" |
| COAGULANT DOSE RATE | mg/l | FE-202 | COAG FLOW TO TANK | | 16 | 16 | 16 | 16 |
| FLOC TANK MIXER RUNNING | Y/N | M-103A | FLOC MIXER | | Y | Y | Y | Y |
| FLOCCULANT PUMP RUNNING | Y/N | P-203 | FLOC PUMP | | Y | Y | Y | Y |
| FLOC LEVEL | % Full | T-203 | FLOC TANK LEVEL | | 6.4gal/12¼" | 6.2gal/11¾" 11¾" | 10gal/19" | 9.5gal/18¼" |

**OPERATIONS LOG SHEET**
**ENHANCED SEEP COLLECTION SYSTEM**
**GENERAL ELECTRIC MAIN PLANT**
**SCHENECTADY, NEW YORK**

| PARAMETER | UNITS | EQUIPMENT TAG | DESCRIPTION | DATE: | 11/13/19 | 11/14/19 | 11/15/19 | 11/18/19 |
|---|---|---|---|---|---|---|---|---|
| | | | | TIME: | 1500 | 1400 | 1400 | 1400 |
| | | | | INITIALS: | DS | DS | DS | DS |
| FLOCCULANT DOSE RATE | GPM | FE-203 | DILUTED FLOC TO FLOC MIX TK | | 1.00 | 1.00 | 2.00 | 1.00 |
| CLARIFIER RAKE MIXER RUN. | Y/N | M-103B | CLARIFIER MIXER | | Y | Y | Y | Y |
| CLARIFIER SLUDGE PUMP RUN. | Y/N | P-103 | SLUDGE PUMP TO GEOTUBE | | Y | Y | Y | Y |
| AIR COMPRESSOR RUNNING | Y/N | C-302 | SLUDGE PUMP POWER | | Y | Y | Y | Y |
| AIR COMPRESSOR PRESSURE | PSI | PI-302 | AIR COMP. PRESSURE | | 150 | 150 | 150 | 150 |
| CLARIFIER EFF TANK LEVEL | FEET | T-104 | GRAVITY TANK POST CLAR. | | 1.5' | 2' | 3' | 1' |
| CLARIFIER EFF PUMP A RUN | Y/N | P-104A | PUMP TO FILTRATION | | N | N | N | N |
| VFD RATE | Hz | P-104A | PUMP RATE TO FILTRATION | | — | — | — | — |
| CLARIFIER EFF. PUMP PRESSURE | PSI | PI-104A | PUMP PRESSURE TO FILT. | | — | — | — | — |
| CLARIFIER EFF PUMP B RUN | Y/N | P-104B | PUMP TO FILTRATION | | Y | Y | Y | Y |
| VFD RATE | Hz | P-104B | PUMP RATE TO FILTRATION | | 34.98 | 34.98 | 34.99 | 34.96 |
| CLARIFIER EFF. PUMP PRESSURE | PSI | PI-104B | PUMP PRESSURE TO FILT. | | 42 | 36 | 40 | 41 |
| **GEOTUBE SYSTEM** | | | | | | | | |
| GEOTUBE CONTAINER 1 LEVEL | EST. | G-101 | GEOTUBE DEWATERING BOX | | 95% | 99% | 100% | 100% |
| GEOTUBE CONTAINER 2 LEVEL | EST. | G-102 | GEOTUBE DEWATERING BOX | | 20 | 20% | 20% | 25% |
| GEOTUBE DISPOSAL | Y/N | G-101/G-102 | GEOTUBE DEWATERING BOX | | N | N | N | N |
| GEOTUBE DISPOSAL QTY | TON | G-101/G-102 | WEIGHT OF MATERIAL DISPOSED | | — | — | — | — |
| POLYMER PUMP RUNNING | Y/N | P-205 | POLY ADD TO SLUDGE | | Y | Y | Y | Y |
| POLYMER DOSE | GPM | FE-205 | POLY FLOW TO SLUDGE | | 0.575 | 0.575 | 0.575 | 0575 |
| POLYMER TANK LEVEL | % Full | T-205 | POLYMER LEVEL IN TANK | | 10" | 9 | 8 | 5" |
| **FILTRATION SYSTEM** | | | | | | | | |
| SAND FILTER A IN-USE | Y/N | TA-105A | SAND FILTER | | Y | Y | Y | Y |
| SAND FILTER A BACKWASH | Y/N | TA-105A | SAND FILTER | | N | Y | Y | N |
| INLET PRESSURE | PSI | PI-105A/PI-703 | INLET PRESSURE TO SAND | | 35 | 30 | 33 | 35 |
| OUTLET PRESSURE | PSI | PDSH-105A | OUTLET PRESS. TO BAG FIL. | | 19 | 18 | 16 | 16 |
| PRESSURE DIFFERENTIAL | PSI | PDSH-105A | PRESSURE DIFFERNTIAL | | ~~22~~ 16 25 11/13/19 | 12 | 17 | 19 |
| SAND FILTER B IN-USE | Y/N | TA-105B | SAND FILTER | | Y | Y | Y | Y |
| SAND FILTER B BACKWASH | Y/N | TA-105B | SAND FILTER | | N | Y | N | Y |
| INLET PRESSURE | PSI | PI-105B/PI-703 | INLET PRESSURE TO SAND | | 35 | 30 | 33 | 35 |
| OUTLET PRESSURE | PSI | PDSH-105B | OUTLET PRESS. TO BAG FIL. | | 19 | 18 | 16 | 16 |
| PRESSURE DIFFERENTIAL | PSI | PDSH-105B | PRESSURE DIFFERNTIAL | | 16 | 12 | 17 | 19 |
| BAG FILTER 701 IN-USE | Y/N | F-701A | 10, 5 and 1 MICRON BAG FILTER | | Y | Y | Y | Y |
| INLET PRESSURE | PSI | PI-701A | INLET PRESSURE IN BF | | 19 | 17 | 16 | 16 |
| OUTLET PRESSURE | PSI | PI-704 | OUTLET PRESSURE IN BF | | 9 | 17 | 15 | 14 |
| PRESSURE DIFFERENTIAL | PSI | PDSH-701A | PRESSURE DIFFERNTIAL | | 10 | 0 | 1 | 2 |
| BAG CHANGES | Y/N | F-701A | BAG FILTER | | N | Y | N | N |
| BAG FILTER 702 IN-USE | Y/N | F-702A | 10, 5 and 1 MICRON BAG FILTER | | Y | Y | Y | Y |
| INLET PRESSURE | PSI | PI-702A | INLET PRESSURE IN BF | | 19 | 17 | 16 | 16 |
| OUTLET PRESSURE | PSI | PI-704 | OUTLET PRESSURE IN BF | | 9 | 17 | 15 | 14 |
| PRESSURE DIFFERENTIAL | PSI | PDSH-702A | PRESSURE DIFFERNTIAL | | 10 | 0 | 1 | 2 |

# OPERATIONS LOG SHEET
## ENHANCED SEEP COLLECTION SYSTEM
## GENERAL ELECTRIC MAIN PLANT
## SCHENECTADY, NEW YORK

| PARAMETER | UNITS | EQUIPMENT TAG | DESCRIPTION | DATE: | 11/13/19 | 11/14/19 | 11/15/19 | 11/18/19 |
|---|---|---|---|---|---|---|---|---|
| | | | | TIME: | 1500 | 1400 | 1460 | 1400 |
| | | | | INITIALS: | DS | DS | DS | DS |
| BAG CHANGE | Y/N | F-702A | BAG FILTER | | N | Y | N | N |
| CARBON FILTER 1 IN-USE | Y/N | TA-106A | CARBON FILTER | | Y | Y | Y | Y |
| CARBON FILTER 1 BACKWASH | Y/N | TA-106A | CARBON FILTER | | N | N | N | N |
| INLET PRESSURE | PSI | PI-106A | INLET PRESSURE FROM BF | | 9 | 16. | 14 | 14 |
| OUTLET PRESSURE | PSI | PI-106B | OUTLET PRESS. TO EFF-TK | | 9 | 12. | 10 | 10 |
| PRESSURE DIFFERENTIAL | PSI | | PRESSURE DIFFERNTIAL | | 0 | 4 | 4 | 4 |
| CARBON FILTER 2 IN-USE | Y/N | TA-106B | CARBON FILTER | | Y | Y | Y | Y |
| CARBON FILTER 2 BACKWASH | Y/N | TA-106B | CARBON FILTER | | N | N. | N | N |
| INLET PRESSURE | PSI | PI-106B | INLET PRESSURE FROM BF | | 9 | 12. | 10 | 10 |
| OUTLET PRESSURE | PSI | | OUTLET PRESS. TO EFF-TK | | 9 | 12. | 10 | 10 |
| PRESSURE DIFFERENTIAL | PSI | | PRESSURE DIFFERNTIAL | | 0 | 0 | 0 | 0 |
| BACKWASH PUMP A RUN | Y/N | P-305A | BACKWASH PUMP TO FILT. | | N | N | N | N |
| BACKWASH PRESSURE | PSI | PI-305A | BACKWASH PRESSURE | | — | — | — | — |
| BACKWASH PUMP B RUN | Y/N | P-305B | BACKWASH PUMP TO FILT. | | N | Y | Y | Y |
| BACKWASH PRESSURE | PSI | PI-30BA | BACKWASH PRESSURE | | — | 94 | 93 | 93 |
| **EFFLUENT AND FINAL HOLDING TANK (T-107 AND T-401)** | | | | | | | | |
| EFFLUENT FLOW METER | GPM | FQIT-107 | FLOW RATE FROM FILTERS | | 47.71 | 49.50 | 49.15 | 46.97 |
| EFF. FLOW METER TOTAL | TOT. | FQIT-107 | TOTAL FLOW | | 3,403,900 | 3,441,300 | 3,479,900 | 3,592,000 |
| EFFLUENT TANK LEVEL | inwc | T-107 | TANK LEVEL | | 95.62 | 73.97 | 104.17 | 88.91 |
| pH METER | SU | AIT-107 | EFF. pH | | 7.90 | 7.95 | 7.86 | 8.10 |
| DISSOLVED OXYGEN (DOM-107) | DO | AIT-107A | EFF.DO READING | | 0.03 | 0.34 | 0.17 | 0.02 |
| TURBIDITY (TBM-107) | NTU | AIT-107B | EFF. TURBIDITY | | 0.48 | 0.48 | 0.48 | 0.48 |
| FINAL HOLIDING TANK LEVEL | FEET | T-401 | FH TK LEVEL | | 1.5 | 1 | 1 | 2 |
| IRRIG. PUMP RUNNING | Y/N | P-401 | IRRIGATION SYSTEM | | N | N | N | N |
| VFD RATE | Hz | P-401 | IRRIGATION SYSTEM | | — | — | — | — |
| GRAVITY OUTFALL IN-USE | Y/N | OF-101 | OUTFALL TO POENTIC KILL | | Y | Y | Y | Y |
| **BUILDING SYSTEM COMPONENTS** | | | | | | | | |
| EXHAUST FAN NW IN-USE | Y/N | EF-1 | EXHAUST FANS | | N | N | N | N |
| EXHAUST FAN NE IN-USE | Y/N | EF-2 | EXHAUST FANS | | N | N | N | N |
| BUILDING HEATERS IN-USE | Y/N | UH-1-8 | HEATERS | | Y | Y | Y | Y |
| BUILDING TEMPERATURE | DEG. F | | BLDG. TEMP | | 75° | 75 | 75 | 75 |
| OVERHEAD DOOR SW OPER. | Y/N | | OVERHEAD DOOR | | Y | Y | Y | Y |
| OVERHEAD DOOR NE OPER. | Y/N | | OVERHEAD DOOR | | Y | Y | Y | Y |
| OVERHEAD DOOR SE OPER. | Y/N | | OVERHEAD DOOR | | Y | Y | Y | Y |
| BLDG CONT SYS OPERATIONAL | Y/N | | REMOTE TELEMETRY SYS | | Y | Y | Y | Y |
| **GENERAL COMMENTS** | | | | | | | | |

**OPERATIONS LOG SHEET**
**ENHANCED SEEP COLLECTION SYSTEM**
**GENERAL ELECTRIC MAIN PLANT**
**SCHENECTADY, NEW YORK**

| PARAMETER | UNITS | EQUIPMENT TAG | DESCRIPTION | DATE: | 11/19/19 | 11/20/19 | 11/22/19 | 11/25/19 |
|---|---|---|---|---|---|---|---|---|
| | | | | TIME: | 1400 | 1400 | 1400 | 1400 |
| | | | | INITIALS: | SS | TB | TB | TB |
| **SEEP COLLECTION PUMP STATIONS (SEEP 1 - 4, SEEP 5 AND SEEP 6)** | | | | | | | | |
| SEEP 1 - 4 PUMP RUN | Y/N | P-100A | SEEP 1-4 P-STATION PUMP | | Y | Yes | Yes | Yes |
| SEEP 5 PUMP RUN | Y/N | P-100B | SEEP 5 P-STATION PUMP | | Y | Yes | Yes | Yes |
| SEEP 6 PUMP RUN | Y/N | P-100C | SEEP 6 P-STATION PUMP | | N | NO | NO | NO |
| **INFLUENT TANK (T-101)** | | | | | | | | |
| FLOW METER - 100A (FM-A) | GPM | FQIT-100A | S1-4 IN-FLOW | | 21.42 | 21.81 | 20.8 | 20.15 |
| FLOW METER - 100B (FM-B) | GPM | FQIT-100B | S5 IN-FLOW | | 45.25 | 43.29 | 42.8 | 44.81 |
| FLOW METER - 100C (FM-C) | GPM | FQIT-100C | S6 IN-FLOW | | — | — | — | — |
| FLOW METER - 101 | GPM | FQIT-101 | INF TK OUT-FLOW | | 46.35 | 33.57 | 33.87 | 30.74 |
| FLOW METER - 100A | TOTAL | FQIT-100A | S1-4 IN-FLOW | | 14,748,300 | 14,777,361 | 14,835,587 | 14,919,688 |
| FLOW METER - 100B | TOTAL | FQIT-100B | S5 IN-FLOW | | 1,893,500 | 1,909,176 | 1,939,130 | 1,985,742 |
| FLOW METER - 100C | TOTAL | FQIT-100C | S6 IN-FLOW | | 640,044 | 640,044 | 640,044 | 640,044 |
| FLOW METER - 101 | TOTAL | FQIT-101 | INF TK OUT-FLOW | | 5,141,700 | 5,187,630 | 5,276,025 | 5,405,165 |
| BLOWER RUNNING | Y/N | B-101 | INF TK BLOWER | | Y | Yes | Yes | Yes |
| BLOWER PRESSURE | PSI | PI-101 | INF TK BLOWER PRESS. | | 3 | 3 | 3 | 3 |
| VFD RATE | Hz | B-101 | INF TK BLOWER VFD | | 50.02 | 50 | 50 Hz | 50 Hz |
| INF. PUMP A RUNNING | Y/N | P-101A | PUMP TO CLARIF. | | N | No | NO | NO |
| VFD RATE | Hz | P-101A | PUMP TO CLARIF. VFD | | — | ~~29.9~~ | — | — |
| INF PUMP PRESSURE | PSI | PI-101A | PI FOR INF. PUMP | | — | — | — | — |
| INF. PUMP B RUNNING | Y/N | P-101B | PUMP TO CLARIF. | | N | NO | NO | NO |
| VFD RATE | Hz | P-101B | PUMP TO CLARIF. VFD | | — | — | — | — |
| INF PUMP PRESSURE | PSI | PI-101B | PI FOR INF. PUMP | | — | — | — | — |
| INF Ph | SU | AIT-101 | pH FOR INF. WATER | | 7.80 | 7.5 | 7.72 | 7.65 |
| pH Probe checked | Y/N | AIT-101 | pH Probe at influent tank | | Y | Yes | Yes | Yes |
| pH Probe clean (1X/week min) | Y/N | AIT-101 | pH Probe at influent tank | | N | No | Yes | NO |
| INF TANK LEVEL | inwc | T-101 | LEVEL TRANSMIT. | | 38.33 | 42.90 | 45.0 | 36.32 |
| RECIRC PUMP RUNNING | Y/N | P-102 | IN TK RECIRC PUMP | | Y | Yes | Yes | Yes |
| VFD RATE | Hz | P-102 | IN TK RECIRC VFD | | 44.96 | 29.9 | 30 | 30 Hz |
| CAUSTIC PUMP RUNNING | Y/N | P-201 | IN TK CAUSTIC ADD | | Y | Yes | Yes | Yes |
| CAUSTIC TANK LEVEL | L | T-201 | IN TK CAUSTIC ADD | | 83gal/43 1/4" | 82gal/42 | 76gal/40 | 69gal/36" |
| CAUSTIC USAGE | GAL | T-201 | CAUSTIC USAGE | | 2 gal | 1gal | 0gal | 2gal |
| CAUSTIC USAGE | TOT | T-201 | CAUSTIC USAGE | | — | — | — | — |
| **CLARIFIER SYSTEM (T-103B)** | | | | | | | | |
| FLASH MIX TANK MIXER RUN. | Y/N | M-102 | COAG MIXER | | Y | Yes | Yes | Yes |
| COAGULANT PUMP RUNNING | Y/N | P-202 | COAG PUMP | | Y | Yes | Yes | Yes |
| COAGULANT LEVEL | % Full | T-202 | COAG TANK | | 41gal/22 1/2" | 40gal/21 1/2" | 37gal/20" | 35gal/17 1/2" |
| COAGULANT DOSE RATE | mg/l | FE-202 | COAG FLOW TO TANK | | 16 | 16 mg/L | 16 mg/L | 16 mg/L |
| FLOC TANK MIXER RUNNING | Y/N | M-103A | FLOC MIXER | | Y | Yes | Yes | Yes |
| FLOCCULANT PUMP RUNNING | Y/N | P-203 | FLOC PUMP | | Y | Yes | Yes | Yes |
| FLOC LEVEL | % Full | T-203 | FLOC TANK LEVEL | | 9.5gal/18" | 9.8gal/18" | 9.5gal/17.5" | 9.4gal/17.4" |

**OPERATIONS LOG SHEET**
**ENHANCED SEEP COLLECTION SYSTEM**
**GENERAL ELECTRIC MAIN PLANT**
**SCHENECTADY, NEW YORK**

| PARAMETER | UNITS | EQUIPMENT TAG | DESCRIPTION | DATE: | 11/19/19 | 11/20/19 | 11/22/19 | 11/25/19 |
|---|---|---|---|---|---|---|---|---|
| | | | | TIME: | 1400 | 1400 | 1400 | 1400 |
| | | | | INITIALS: | JS | TB | TB | TB |
| FLOCCULANT DOSE RATE | GPM | FE-203 | DILUTED FLOC TO FLOC MIX TK | | 1.00 | 1.0 | 1.0 | 1.0 |
| CLARIFIER RAKE MIXER RUN. | Y/N | M-103B | CLARIFIER MIXER | | Y | Yes | Yes | Yes |
| CLARIFIER SLUDGE PUMP RUN. | Y/N | P-103 | SLUDGE PUMP TO GEOTUBE | | Y | Yes | Yes | Yes |
| AIR COMPRESSOR RUNNING | Y/N | C-302 | SLUDGE PUMP POWER | | Y | Yes | Yes | Yes |
| AIR COMPRESSOR PRESSURE | PSI | PI-302 | AIR COMP. PRESSURE | | 160 | 140 | 139 | 140 |
| CLARIFIER EFF TANK LEVEL | FEET | T-104 | GRAVITY TANK POST CLAR. | | 2.5 | 3 Ft | 2 Ft | 3.5 Ft |
| CLARIFIER EFF PUMP A RUN | Y/N | P-104A | PUMP TO FILTRATION | | Y | Yes | Yes | Yes |
| VFD RATE | Hz | P-104A | PUMP RATE TO FILTRATION | | 35.03 | 35 | 35 | 35 Hz |
| CLARIFIER EFF. PUMP PRESSURE | PSI | PI-104A | PUMP PRESSURE TO FILT. | | 38 | 36 | 35 | 40 |
| CLARIFIER EFF PUMP B RUN | Y/N | P-104B | PUMP TO FILTRATION | | N | NO | NO | NO |
| VFD RATE | Hz | P-104B | PUMP RATE TO FILTRATION | | — | — | — | — |
| CLARIFIER EFF. PUMP PRESSURE | PSI | PI-104B | PUMP PRESSURE TO FILT. | | — | — | — | — |
| **GEOTUBE SYSTEM** | | | | | | | | |
| GEOTUBE CONTAINER 1 LEVEL | EST. | G-101 | GEOTUBE DEWATERING BOX | | 100 | 100 % | 100 % | 100 % |
| GEOTUBE CONTAINER 2 LEVEL | EST. | G-102 | GEOTUBE DEWATERING BOX | | 30 | 39 | 31 | 40 |
| GEOTUBE DISPOSAL | Y/N | G-101/G-102 | GEOTUBE DEWATERING BOX | | N | N | NO | NO |
| GEOTUBE DISPOSAL QTY | TON | G-101/G-102 | WEIGHT OF MATERIAL DISPOSED | | — | — | — | — |
| POLYMER PUMP RUNNING | Y/N | P-205 | POLY ADD TO SLUDGE | | Y | Y | Yes | Yes |
| POLYMER DOSE | GPM | FE-205 | POLY FLOW TO SLUDGE | | 0.341 | .341 | .341 | .341 |
| POLYMER TANK LEVEL | % Full | T-205 | POLYMER LEVEL IN TANK | | 11" | 11 | 9" | 7" |
| **FILTRATION SYSTEM** | | | | | | | | |
| SAND FILTER A IN-USE | Y/N | TA-105A | SAND FILTER | | Y | Y | Yes | Yes |
| SAND FILTER A BACKWASH | Y/N | TA-105A | SAND FILTER | | Y | NO | Yes | Yes |
| INLET PRESSURE | PSI | PI-105A/PI-703 | INLET PRESSURE TO SAND | | 31 | 30 | 29 | 30 |
| OUTLET PRESSURE | PSI | PDSH-105A | OUTLET PRESS. TO BAG FIL. | | 16 | 10 | 18 | 20 |
| PRESSURE DIFFERENTIAL | PSI | PDSH-105A | PRESSURE DIFFERNTIAL | | 15 | 20 | 11 | 10 |
| SAND FILTER B IN-USE | Y/N | TA-105B | SAND FILTER | | Y | Yes | Yes | Yes |
| SAND FILTER B BACKWASH | Y/N | TA-105B | SAND FILTER | | N | NO | Yes | Yes |
| INLET PRESSURE | PSI | PI-105B/PI-703 | INLET PRESSURE TO SAND | | 31 | 30 | 30 | 28 |
| OUTLET PRESSURE | PSI | PDSH-105B | OUTLET PRESS. TO BAG FIL. | | 16 | 15 | 15 | 12 |
| PRESSURE DIFFERENTIAL | PSI | PDSH-105B | PRESSURE DIFFERNTIAL | | 15 | 15 | 15 | 16 |
| BAG FILTER 701 IN-USE | Y/N | F-701A | 10, 5 and 1 MICRON BAG FILTER | | Y | Yes | NO | NO |
| INLET PRESSURE | PSI | PI-701A | INLET PRESSURE IN BF | | 15 | 15 | — | — |
| OUTLET PRESSURE | PSI | PI-704 | OUTLET PRESSURE IN BF | | 14 | 9 | — | — |
| PRESSURE DIFFERENTIAL | PSI | PDSH-701A | PRESSURE DIFFERNTIAL | | 1 | 6 | — | — |
| BAG CHANGES | Y/N | F-701A | BAG FILTER | | N | NO | Yes | NO |
| BAG FILTER 702 IN-USE | Y/N | F-702A | 10, 5 and 1 MICRON BAG FILTER | | Y | Yes | NO | NO |
| INLET PRESSURE | PSI | PI-702A | INLET PRESSURE IN BF | | 15 | 15 | — | — |
| OUTLET PRESSURE | PSI | PI-704 | OUTLET PRESSURE IN BF | | 14 | 14 | — | — |
| PRESSURE DIFFERENTIAL | PSI | PDSH-702A | PRESSURE DIFFERNTIAL | | 1 | 1 | — | — |

**OPERATIONS LOG SHEET**
**ENHANCED SEEP COLLECTION SYSTEM**
**GENERAL ELECTRIC MAIN PLANT**
**SCHENECTADY, NEW YORK**

| PARAMETER | UNITS | EQUIPMENT TAG | DESCRIPTION | DATE: | 11/19/19 | 11/20/19 | 11/22/19 | 11/25/19 |
|---|---|---|---|---|---|---|---|---|
| | | | | TIME: | 1400 | 1400 | 1400 | 1400 |
| | | | | INITIALS: | JS | TG | TG | TG |
| BAG CHANGE | Y/N | F-702A | BAG FILTER | | N | N | Yes | Yes |
| CARBON FILTER 1 IN-USE A | Y/N | TA-106A | CARBON FILTER | | Y | Y | Yes | ~~Yes~~ |
| CARBON FILTER 1 BACKWASH | Y/N | TA-106A | CARBON FILTER | | ~~Y~~ N | N | N | NO |
| INLET PRESSURE | PSI | PI-106A | INLET PRESSURE FROM BF | | ~~10~~ 14 | 14 | 10 | 5 |
| OUTLET PRESSURE | PSI | PI-106B | OUTLET PRESS. TO EFF-TK | | ~~10~~ | 11 | 8 | 8 |
| PRESSURE DIFFERENTIAL | PSI | | PRESSURE DIFFERNTIAL | | 4 | 3 | 2 | 3 |
| CARBON FILTER 2 IN-USE B | Y/N | TA-106B | CARBON FILTER | | Y | Y | Yes | Yes |
| CARBON FILTER 2 BACKWASH | Y/N | TA-106B | CARBON FILTER | | N | N | NO | NO |
| INLET PRESSURE | PSI | PI-106B | INLET PRESSURE FROM BF | | 10 | 10 | 10 | 5 |
| OUTLET PRESSURE | PSI | | OUTLET PRESS. TO EFF-TK | | 10 | 10 | 7 | 9 |
| PRESSURE DIFFERENTIAL | PSI | | PRESSURE DIFFERNTIAL | | 0 | 0 | 3 | 4 |
| BACKWASH PUMP A RUN | Y/N | P-305A | BACKWASH PUMP TO FILT. | | N | N | NO | NO |
| BACKWASH PRESSURE | PSI | PI-305A | BACKWASH PRESSURE | | — | — | — | — |
| BACKWASH PUMP B RUN | Y/N | P-305B | BACKWASH PUMP TO FILT. | | Y | N | Yes | NO |
| BACKWASH PRESSURE | PSI | PI-30BA | BACKWASH PRESSURE | | 85 | — | 95 | — |
| **EFFLUENT AND FINAL HOLDING TANK (T-107 AND T-401)** | | | | | | | | |
| EFFLUENT FLOW METER | GPM | FQIT-107 | FLOW RATE FROM FILTERS | | 42.98 | 48.8 | 43.8 | 40.89 |
| EFF. FLOW METER TOTAL | TOT. | FQIT-107 | TOTAL FLOW | | 3,628,400 | 3,668,048 | 3,743,595 | 3,852,846 |
| EFFLUENT TANK LEVEL | inwc | T-107 | TANK LEVEL | | 77.21 | 94.24 | 96.05 | 100.59 |
| pH METER | SU | AIT-107 | EFF. pH | | 8.10 | 8.22 | 8.27 | 8.38 |
| DISSOLVED OXYGEN (DOM-107) | DO | AIT-107A | EFF.DO READING | | 0.03 | .02 | .02 | .02 |
| TURBIDITY (TBM-107) | NTU | AIT-107B | EFF. TURBIDITY | | 0.48 | .48 | .48 | .48 |
| FINAL HOLIDING TANK LEVEL | FEET | T-401 | FH TK LEVEL | | 76.83 | ~~5~~ 4.3ft | ~~5~~ 4ft | 2 ft |
| IRRIG. PUMP RUNNING | Y/N | P-401 | IRRIGATION SYSTEM | | N | NO | NO | NO |
| VFD RATE | Hz | P-401 | IRRIGATION SYSTEM | | — | — | — | — |
| GRAVITY OUTFALL IN-USE | Y/N | OF-101 | OUTFALL TO POENTIC KILL | | Y | Yes | Yes | Yes |
| **BUILDING SYSTEM COMPONENTS** | | | | | | | | |
| EXHAUST FAN NW IN-USE | Y/N | EF-1 | EXHAUST FANS | | N | NO | NO | NO |
| EXHAUST FAN NE IN-USE | Y/N | EF-2 | EXHAUST FANS | | N | NO | NO | NO |
| BUILDING HEATERS IN-USE | Y/N | UH-1-8 | HEATERS | | Y | Yes | Yes | Yes |
| BUILDING TEMPERATURE | DEG. F | | BLDG. TEMP | | 75 | 73 | 75° | 75° |
| OVERHEAD DOOR SW OPER. | Y/N | | OVERHEAD DOOR | | Y | Yes | Yes | Yes |
| OVERHEAD DOOR NE OPER. | Y/N | | OVERHEAD DOOR | | Y | Yes | Yes | Yes |
| OVERHEAD DOOR SE OPER. | Y/N | | OVERHEAD DOOR | | Y | Yes | Yes | Yes |
| BLDG CONT SYS OPERATIONAL | Y/N | | REMOTE TELEMETRY SYS | | Y | Yes | Yes | Yes |

**GENERAL COMMENTS**

**Soil Cover Inspections**

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ENVIRONMENT
& HEALTH

# COVER SYSTEM INSPECTION CHECKLIST
# GENERAL ELECTRIC MAIN PLANT, SCHENECTADY, NEW YORK

## City Water Main– INSPECTION CHECKLIST

| VEGETATIVE AREAS (SOIL COVER AND RESTORED) | |
|---|---|
| Evidence of erosion | None |
| Establishment and coverage of vegetation | 99% |
| Growth of noxious weeds | No noticeable noxious weeds present |
| Uneven settlement relative to surrounding areas | Minimal |
| Proper functioning of any associated surface water diversions | No Diversions present |
| Overall integrity | System integrity is good. |

| ASPHALT COVER AREAS | |
|---|---|
| Uneven settlement relative to surrounding areas | None |
| Proper functioning of any associated water diversions | Working as intended. |
| Overall Integrity | System integrity is good. |

## ATTACHMENT 1– PHOTOGRAPHIC LOG

Attachment **[Text]**

| Client name | Site location | Project no. |
|---|---|---|
| GE - CEP | Schenectady, New York | 0612|71538 |

| Photo no. | Date |
|---|---|
| 1 | 11-14-2019 |

Description: Photo taken of grass covered portion while facing west.

| Client name | Site location | Project no. |
|---|---|---|
| GE - CEP | Schenectady, New York | 0612|71538 |

| Photo no. | Date |
|---|---|
| 2 | 11-14-2019 |

Description: Photo taken of paved portion while facing east.

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ENVIRONMENT
& HEALTH

# COVER SYSTEM INSPECTION CHECKLIST
# GENERAL ELECTRIC MAIN PLANT, SCHENECTADY, NEW YORK

## Phase 3 West – INSPECTION CHECKLIST

| VEGETATIVE AREAS (SOIL COVER AND RESTORED) | |
|---|---|
| Evidence of erosion | None |
| Establishment and coverage of vegetation | 99% |
| Growth of noxious weeds | No noticeable noxious weeds present |
| Uneven settlement relative to surrounding areas | Minimal |
| Proper functioning of any associated surface water diversions | No Diversions present |
| Overall integrity | System integrity is good. |

| ASPHALT COVER AREAS | |
|---|---|
| Uneven settlement relative to surrounding areas | NA |
| Proper functioning of any associated water diversions | NA |
| Overall Integrity | NA |

# ATTACHMENT 1– PHOTOGRAPHIC LOG

Attachment **[Text]**

| Client name | Site location | Project no. |
|---|---|---|
| GE - CEP | Schenectady, New York | 0612|71538 |

| Photo no. | Date |
|---|---|
| 1 | 11-14-2019 |

Description: Photo of Phase 3 West taken while facing North.

| Client name | Site location | Project no. |
|---|---|---|
| GE - CEP | Schenectady, New York | 0612|71538 |

| Photo no. | Date |
|---|---|
| 2 | 11-14-2019 |

Description: Photo of Phase 3 West taken while facing South.

| Client name | Site location | Project no. |
|---|---|---|
| GE - CEP | Schenectady, New York | 0612|71538 |

| Photo no. | Date |
|---|---|
| 3 | 11-14-2019 |

Description: Photo of Phase 3 West ridge taken while facing North.

| Client name | Site location | Project no. |
|---|---|---|
| GE - CEP | Schenectady, New York | 0612|71538 |

| Photo no. | Date |
|---|---|
| 4 | 11-14-2019 |

Description: Photo of Phase 3 West ridge taken while facing South.

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ENVIRONMENT
& HEALTH

# COVER SYSTEM INSPECTION CHECKLIST
# GENERAL ELECTRIC MAIN PLANT, SCHENECTADY, NEW YORK

## Phase 5A – INSPECTION CHECKLIST

| VEGETATIVE AREAS (SOIL COVER AND RESTORED) | |
|---|---|
| Evidence of erosion | Yes |
| Establishment and coverage of vegetation | Minimal |
| Growth of noxious weeds | No noticeable noxious weeds present |
| Uneven settlement relative to surrounding areas | Minimal |
| Proper functioning of any associated surface water diversions | Yes |
| Overall integrity | Integrity is mostly acceptable except for an area of scouring in the western portion. |

| ASPHALT COVER AREAS | |
|---|---|
| Uneven settlement relative to surrounding areas | NA |
| Proper functioning of any associated water diversions | NA |
| Overall Integrity | NA |

| RECOMMENDED ACTION |
|---|
| Install a small rip-rap lined trench or French drain in area of flowing water to reduce future erosion. Existing rock lined drainage structures are working well. Expanding the existing water diversions to capture this seasonal flow should mitigate erosion damage. |

# ATTACHMENT 1– PHOTOGRAPHIC LOG

Attachment **[Text]**

| **Client name** | **Site location** | **Project no.** |
|---|---|---|
| **GE - CEP** | **Schenectady, New York** | **0612|71538** |

| Photo no. | Date | |
|---|---|---|
| 1 | 11-14-2019 |  |
| Description: Photo taken of phase 5A from the West while facing East. | | |

| Client name | Site location | Project no. |
|---|---|---|
| GE - CEP | Schenectady, New York | 0612|71538 |

| Photo no. | Date |
|---|---|
| 2 | 11-14-2019 |

Description: Photo Taken of Phase 5A swale while facing East.

| Client name | Site location | Project no. |
|---|---|---|
| GE - CEP | Schenectady, New York | 0612|71538 |

| Photo no. | Date |
|---|---|
| 3 | 11-14-2019 |

Description: Photo of Phase 5A taken while facing West.

| Client name | Site location | Project no. |
|---|---|---|
| GE - CEP | Schenectady, New York | 0612|71538 |

| Photo no. | Date |
|---|---|
| 4 | 11-14-2019 |

Description: Photo of eastern portion of phase 5A taken while facing East

| Client name | Site location | Project no. |
|---|---|---|
| GE - CEP | Schenectady, New York | 0612|71538 |

| Photo no. | Date |
|---|---|
| 5 | 11-14-2019 |

Description: Photo of phase 5A taken from Eastern side while facing West.

| Client name | Site location | Project no. |
|---|---|---|
| GE - CEP | Schenectady, New York | 0612|71538 |

| Photo no. | Date |
|---|---|
| 6 | 11-14-2019 |

Description: Scouring overland flow origination from South of fence line. Photo taken while facing East.

| Client name | Site location | Project no. |
|---|---|---|
| GE - CEP | Schenectady, New York | 0612|71538 |

| Photo no. | Date |
|---|---|
| 7 | 11-14-2019 |

Description: Overland flow causing erosion to soil cover system. Water is flowing from the South to the North and entering drainage swale. Photo taken while facing North.

| Client name | Site location | Project no. |
|---|---|---|
| GE - CEP | Schenectady, New York | 0612|71538 |

| Photo no. | Date |
|---|---|
| 8 | 11-14-2019 |

Description: Photo of water source located outside the fence and uphill of phase 5A. Photo taken while facing South.

# COVER SYSTEM INSPECTION CHECKLIST
# GENERAL ELECTRIC MAIN PLANT, SCHENECTADY, NEW YORK

## Phase 5B– INSPECTION CHECKLIST

| VEGETATIVE AREAS (SOIL COVER AND RESTORED) | |
|---|---|
| Evidence of erosion | Minimal |
| Establishment and coverage of vegetation | 99% |
| Growth of noxious weeds | No noticeable noxious weeds present |
| Uneven settlement relative to surrounding areas | Minimal |
| Proper functioning of any associated surface water diversions | No Diversions present |
| Overall integrity | System integrity is good |

| ASPHALT COVER AREAS | |
|---|---|
| Uneven settlement relative to surrounding areas | NA |
| Proper functioning of any associated water diversions | NA |
| Overall Integrity | NA |

# ATTACHMENT 1– PHOTOGRAPHIC LOG

Attachment **[Text]**

| Client name | Site location | Project no. |
|---|---|---|
| GE - CEP | Schenectady, New York | 0612\|71538 |

| Photo no. | Date |
|---|---|
| 1 | 11-14-2019 |

Description: Photo taken of phase 5B while facing south.

| Client name | Site location | Project no. |
|---|---|---|
| GE - CEP | Schenectady, New York | 0612\|71538 |

| Photo no. | Date |
|---|---|
| 2 | 11-14-2019 |

Description: Photo taken of phase 5B while facing South-West.

| Client name | Site location | Project no. |
|---|---|---|
| GE - CEP | Schenectady, New York | 0612|71538 |

| Photo no. | Date |
|---|---|
| 3 | 11-14-2019 |

Description: Photo of phase 5B taken while facing North-West.

| Client name | Site location | Project no. |
|---|---|---|
| GE - CEP | Schenectady, New York | 0612|71538 |

| Photo no. | Date |
|---|---|
| 4 | 11-14-2019 |

Description: Photo taken of Phase 5B while facing North-East.

# COVER SYSTEM INSPECTION CHECKLIST
# GENERAL ELECTRIC MAIN PLANT, SCHENECTADY, NEW YORK

## Phase 5C – INSPECTION CHECKLIST

| VEGETATIVE AREAS (SOIL COVER AND RESTORED) | |
|---|---|
| Evidence of erosion | Minimal |
| Establishment and coverage of vegetation | 95% |
| Growth of noxious weeds | No noticeable noxious weeds present |
| Uneven settlement relative to surrounding areas | Minimal |
| Proper functioning of any associated surface water diversions | No Diversions present |
| Overall integrity | System integrity is good. |

| ASPHALT COVER AREAS | |
|---|---|
| Uneven settlement relative to surrounding areas | NA |
| Proper functioning of any associated water diversions | NA |
| Overall Integrity | NA |

# ATTACHMENT 1– PHOTOGRAPHIC LOG

Attachment **[Text]**

| Client name | Site location | Project no. |
|---|---|---|
| GE - CEP | Schenectady, New York | 0612|71538 |

| Photo no. | Date |
|---|---|
| 1 | 11-14-2019 |

Description: Photo taken of Phase 5C while facing south.

| Client name | Site location | Project no. |
|---|---|---|
| GE - CEP | Schenectady, New York | 0612|71538 |

| Photo no. | Date |
|---|---|
| 2 | 11-14-2019 |

Description: Photo of Phase 5C taken while facing South-West.

| Client name | Site location | Project no. |
|---|---|---|
| GE - CEP | Schenectady, New York | 0612|71538 |

| Photo no. | Date |
|---|---|
| 3 | 11-14-2019 |

Description: Photo of phase 5C taken while facing North-West.

| Client name | Site location | Project no. |
|---|---|---|
| GE - CEP | Schenectady, New York | 0612|71538 |

| Photo no. | Date |
|---|---|
| 4 | 11-14-2019 |

Description: Photo of phase 5C taken while facing North.

**Seep 1 and Seep 8 Armoring Inspections**

# COVER SYSTEM INSPECTION CHECKLIST
# GENERAL ELECTRIC MAIN PLANT, SCHENECTADY, NEW YORK

## Seep 1 Armor – INSPECTION CHECKLIST

| VEGETATIVE AREAS (SOIL COVER AND RESTORED) | |
|---|---|
| Evidence of erosion | Minimal |
| Establishment and coverage of vegetation | Minimal |
| Growth of noxious weeds | No noticeable noxious weeds present |
| Uneven settlement relative to surrounding areas | Minimal |
| Proper functioning of any associated surface water diversions | No Diversions present |
| Overall integrity | Overall condition is good. |

| ASPHALT COVER AREAS | |
|---|---|
| Uneven settlement relative to surrounding areas | NA |
| Proper functioning of any associated water diversions | NA |
| Overall Integrity | NA |

# ATTACHMENT 1– PHOTOGRAPHIC LOG

Attachment **[Text]**

| **Client name** | **Site location** | **Project no.** |
|---|---|---|
| **GE - CEP** | **Schenectady, New York** | **0612|71538** |

| Photo no. | Date |
|---|---|
| 1 | 11-14-2019 |

Photo taken while facing south west.

| Client name | Site location | Project no. |
|---|---|---|
| GE - CEP | Schenectady, New York | 0612|71538 |

| Photo no. | Date |
|---|---|
| 2 | 11-14-2019 |

Photo taken while facing North-east.

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& HEALTH

# COVER SYSTEM INSPECTION CHECKLIST
# GENERAL ELECTRIC MAIN PLANT, SCHENECTADY, NEW YORK

## Seep 8 Armor – INSPECTION CHECKLIST

| VEGETATIVE AREAS (SOIL COVER AND RESTORED) | |
|---|---|
| Evidence of erosion | Slight |
| Establishment and coverage of vegetation | 30% |
| Growth of noxious weeds | No noticeable noxious weeds present |
| Uneven settlement relative to surrounding areas | Minimal |
| Proper functioning of any associated surface water diversions | No Diversions present |
| Overall integrity | Placed rock integrity is good |

| ASPHALT COVER AREAS | |
|---|---|
| Uneven settlement relative to surrounding areas | NA |
| Proper functioning of any associated water diversions | NA |
| Overall Integrity | NA |

# ATTACHMENT 1– PHOTOGRAPHIC LOG

Attachment **[Text]**

| Client name | Site location | Project no. |
|---|---|---|
| GE - CEP | Schenectady, New York | 0612|71538 |

| Photo no. | Date |
|---|---|
| 1 | 11-14-2019 |

Description: Photo of Poentic Kill Eastern bank at Seep 8. Photo taken while facing East.

| Client name | Site location | Project no. |
|---|---|---|
| GE - CEP | Schenectady, New York | 0612|71538 |

| Photo no. | Date |
|---|---|
| 2 | 11-14-2019 |

Description: Photo of Poentic Kill Eastern bank at seep 8. Photo taken while facing North-East

**Analytical Data for Seep Collection & Treatment System**

**Pace Analytical Services, LLC**
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

## ANALYTICAL RESULTS

Project: GE MAIN PLANT FACILITY 11/6
Pace Project No.: 70111003

**Sample: EFFLUENT** **Lab ID: 70111003001** Collected: 11/06/19 14:35 Received: 11/07/19 10:50 Matrix: Water

| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---|---|---|---|---|---|---|---|
| **608.3 GCSV PCB LOW** | Analytical Method: EPA 608.3 Preparation Method: EPA 608.3 | | | | | | | |
| PCB-1016 (Aroclor 1016) | **<0.065** | ug/L | 0.065 | 1 | 11/07/19 21:18 | 11/08/19 19:36 | 12674-11-2 | |
| PCB-1221 (Aroclor 1221) | **<0.065** | ug/L | 0.065 | 1 | 11/07/19 21:18 | 11/08/19 19:36 | 11104-28-2 | |
| PCB-1232 (Aroclor 1232) | **<0.065** | ug/L | 0.065 | 1 | 11/07/19 21:18 | 11/08/19 19:36 | 11141-16-5 | |
| PCB-1242 (Aroclor 1242) | **<0.065** | ug/L | 0.065 | 1 | 11/07/19 21:18 | 11/08/19 19:36 | 53469-21-9 | |
| PCB-1248 (Aroclor 1248) | **<0.065** | ug/L | 0.065 | 1 | 11/07/19 21:18 | 11/08/19 19:36 | 12672-29-6 | |
| PCB-1254 (Aroclor 1254) | **<0.065** | ug/L | 0.065 | 1 | 11/07/19 21:18 | 11/08/19 19:36 | 11097-69-1 | |
| PCB-1260 (Aroclor 1260) | **<0.065** | ug/L | 0.065 | 1 | 11/07/19 21:18 | 11/08/19 19:36 | 11096-82-5 | |
| PCB, Total | **<0.065** | ug/L | 0.065 | 1 | 11/07/19 21:18 | 11/08/19 19:36 | 1336-36-3 | |
| ***Surrogates*** | | | | | | | | |
| Tetrachloro-m-xylene (S) | 42 | % | 10-149 | 1 | 11/07/19 21:18 | 11/08/19 19:36 | 877-09-8 | |
| Decachlorobiphenyl (S) | 90 | % | 10-149 | 1 | 11/07/19 21:18 | 11/08/19 19:36 | 2051-24-3 | |
| **200.7 Metals, Total** | Analytical Method: EPA 200.7 Preparation Method: EPA 200.7 | | | | | | | |
| Aluminum | **<200** | ug/L | 200 | 1 | 11/08/19 09:23 | 11/13/19 16:00 | 7429-90-5 | |
| Iron | **<100** | ug/L | 100 | 1 | 11/08/19 09:23 | 11/13/19 16:00 | 7439-89-6 | |
| Lead | **<5.0** | ug/L | 5.0 | 1 | 11/08/19 09:23 | 11/13/19 16:00 | 7439-92-1 | |
| **5210B BOD, 5 day** | Analytical Method: SM22 5210B Preparation Method: SM22 5210B | | | | | | | |
| BOD, 5 day | **<2.0** | mg/L | 2.0 | 1 | 11/08/19 11:52 | 11/13/19 11:21 | | |
| **5210B cBOD, 5 day** | Analytical Method: SM22 5210B Preparation Method: SM22 5210B | | | | | | | |
| Carbonaceous BOD, 5 day | **<2.0** | mg/L | 2.0 | 1 | 11/08/19 11:52 | 11/13/19 11:19 | | |
| **351.2 Total Kjeldahl Nitrogen** | Analytical Method: EPA 351.2 Preparation Method: EPA 351.2 | | | | | | | |
| Nitrogen, Kjeldahl, Total | **1.6** | mg/L | 0.10 | 1 | 11/14/19 06:01 | 11/14/19 12:08 | 7727-37-9 | |

## REPORT OF LABORATORY ANALYSIS

**Pace Analytical Services, LLC**
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

## ANALYTICAL RESULTS

Project: GE MAIN PLANT FACILITY 11/6
Pace Project No.: 70111003

**Sample: EFFLUENT** **Lab ID: 70111003002** Collected: 11/06/19 14:40 Received: 11/07/19 10:50 Matrix: Water

| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---|---|---|---|---|---|---|---|
| **624.1 Volatile Organics** | Analytical Method: EPA 624.1 | | | | | | | |
| Benzene | **<1.0** | ug/L | 1.0 | 1 | | 11/11/19 19:06 | 71-43-2 | |
| Chlorobenzene | **<1.0** | ug/L | 1.0 | 1 | | 11/11/19 19:06 | 108-90-7 | |
| Ethylbenzene | **<1.0** | ug/L | 1.0 | 1 | | 11/11/19 19:06 | 100-41-4 | |
| Toluene | **<1.0** | ug/L | 1.0 | 1 | | 11/11/19 19:06 | 108-88-3 | |
| m&p-Xylene | **<1.0** | ug/L | 1.0 | 1 | | 11/11/19 19:06 | 179601-23-1 | |
| o-Xylene | **<1.0** | ug/L | 1.0 | 1 | | 11/11/19 19:06 | 95-47-6 | |
| ***Surrogates*** | | | | | | | | |
| 4-Bromofluorobenzene (S) | 100 | % | 79-124 | 1 | | 11/11/19 19:06 | 460-00-4 | |
| Toluene-d8 (S) | 99 | % | 69-127 | 1 | | 11/11/19 19:06 | 2037-26-5 | |
| 1,2-Dichloroethane-d4 (S) | 101 | % | 68-153 | 1 | | 11/11/19 19:06 | 17060-07-0 | |
| **2540C Total Dissolved Solids** | Analytical Method: SM22 2540C | | | | | | | |
| Total Dissolved Solids | **624** | mg/L | 20.0 | 1 | | 11/13/19 10:44 | | |
| **2540D Total Suspended Solids** | Analytical Method: SM22 2540D | | | | | | | |
| Total Suspended Solids | **<2.0** | mg/L | 2.0 | 1 | | 11/12/19 14:59 | | |

## REPORT OF LABORATORY ANALYSIS

**Pace Analytical Services, LLC**
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

## ANALYTICAL RESULTS

Project: GE MAIN PLANT FACILITY 11/6
Pace Project No.: 70111003

**Sample: TRIP BLANK** **Lab ID: 70111003003** Collected: 11/06/19 14:21 Received: 11/07/19 10:50 Matrix: Water

| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---|---|---|---|---|---|---|---|
| **624.1 Volatile Organics** | Analytical Method: EPA 624.1 | | | | | | | |
| Benzene | **<1.0** | ug/L | 1.0 | 1 | | 11/11/19 18:47 | 71-43-2 | |
| Chlorobenzene | **<1.0** | ug/L | 1.0 | 1 | | 11/11/19 18:47 | 108-90-7 | |
| Ethylbenzene | **<1.0** | ug/L | 1.0 | 1 | | 11/11/19 18:47 | 100-41-4 | |
| Toluene | **<1.0** | ug/L | 1.0 | 1 | | 11/11/19 18:47 | 108-88-3 | |
| m&p-Xylene | **<1.0** | ug/L | 1.0 | 1 | | 11/11/19 18:47 | 179601-23-1 | |
| o-Xylene | **<1.0** | ug/L | 1.0 | 1 | | 11/11/19 18:47 | 95-47-6 | |
| ***Surrogates*** | | | | | | | | |
| 4-Bromofluorobenzene (S) | 100 | % | 79-124 | 1 | | 11/11/19 18:47 | 460-00-4 | |
| Toluene-d8 (S) | 99 | % | 69-127 | 1 | | 11/11/19 18:47 | 2037-26-5 | |
| 1,2-Dichloroethane-d4 (S) | 101 | % | 68-153 | 1 | | 11/11/19 18:47 | 17060-07-0 | |

## REPORT OF LABORATORY ANALYSIS

**Pace Analytical Services, LLC**
575 Broad Hollow Road
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## ANALYTICAL RESULTS

Project: GE MAIN PLANT FACILITY 11/13
Pace Project No.: 70111765

**Sample: EFFLUENT** **Lab ID: 70111765001** Collected: 11/13/19 14:02 Received: 11/14/19 11:00 Matrix: Water

| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---|---|---|---|---|---|---|---|
| **608.3 GCSV PCB LOW** | Analytical Method: EPA 608.3 Preparation Method: EPA 608.3 | | | | | | | |
| PCB-1016 (Aroclor 1016) | **<0.065** | ug/L | 0.065 | 1 | 11/14/19 17:25 | 11/21/19 11:58 | 12674-11-2 | |
| PCB-1221 (Aroclor 1221) | **<0.065** | ug/L | 0.065 | 1 | 11/14/19 17:25 | 11/21/19 11:58 | 11104-28-2 | |
| PCB-1232 (Aroclor 1232) | **<0.065** | ug/L | 0.065 | 1 | 11/14/19 17:25 | 11/21/19 11:58 | 11141-16-5 | |
| PCB-1242 (Aroclor 1242) | **<0.065** | ug/L | 0.065 | 1 | 11/14/19 17:25 | 11/21/19 11:58 | 53469-21-9 | |
| PCB-1248 (Aroclor 1248) | **<0.065** | ug/L | 0.065 | 1 | 11/14/19 17:25 | 11/21/19 11:58 | 12672-29-6 | |
| PCB-1254 (Aroclor 1254) | **<0.065** | ug/L | 0.065 | 1 | 11/14/19 17:25 | 11/21/19 11:58 | 11097-69-1 | |
| PCB-1260 (Aroclor 1260) | **<0.065** | ug/L | 0.065 | 1 | 11/14/19 17:25 | 11/21/19 11:58 | 11096-82-5 | |
| PCB, Total | **<0.065** | ug/L | 0.065 | 1 | 11/14/19 17:25 | 11/21/19 11:58 | 1336-36-3 | |
| ***Surrogates*** | | | | | | | | |
| Tetrachloro-m-xylene (S) | 78 | % | 10-149 | 1 | 11/14/19 17:25 | 11/21/19 11:58 | 877-09-8 | C2 |
| Decachlorobiphenyl (S) | 86 | % | 10-149 | 1 | 11/14/19 17:25 | 11/21/19 11:58 | 2051-24-3 | |
| **200.7 Metals, Total** | Analytical Method: EPA 200.7 Preparation Method: EPA 200.7 | | | | | | | |
| Aluminum | **<200** | ug/L | 200 | 1 | 11/19/19 11:15 | 11/20/19 13:25 | 7429-90-5 | |
| Iron | **<100** | ug/L | 100 | 1 | 11/19/19 11:15 | 11/20/19 13:25 | 7439-89-6 | |
| Lead | **<5.0** | ug/L | 5.0 | 1 | 11/19/19 11:15 | 11/20/19 13:25 | 7439-92-1 | |
| **5210B BOD, 5 day** | Analytical Method: SM22 5210B Preparation Method: SM22 5210B | | | | | | | |
| BOD, 5 day | **<2.0** | mg/L | 2.0 | 1 | 11/15/19 11:39 | 11/20/19 10:51 | | |
| **5210B cBOD, 5 day** | Analytical Method: SM22 5210B Preparation Method: SM22 5210B | | | | | | | |
| Carbonaceous BOD, 5 day | **<2.0** | mg/L | 2.0 | 1 | 11/15/19 11:39 | 11/20/19 10:47 | | |
| **351.2 Total Kjeldahl Nitrogen** | Analytical Method: EPA 351.2 Preparation Method: EPA 351.2 | | | | | | | |
| Nitrogen, Kjeldahl, Total | **2.1** | mg/L | 0.10 | 1 | 11/20/19 12:43 | 11/21/19 08:45 | 7727-37-9 | |

## REPORT OF LABORATORY ANALYSIS

**Pace Analytical Services, LLC**
575 Broad Hollow Road
Melville, NY 11747
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## ANALYTICAL RESULTS

Project: GE MAIN PLANT FACILITY 11/13
Pace Project No.: 70111765

**Sample: EFFLUENT** **Lab ID: 70111765002** Collected: 11/13/19 14:12 Received: 11/14/19 11:00 Matrix: Water

| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---|---|---|---|---|---|---|---|
| **624.1 Volatile Organics** | Analytical Method: EPA 624.1 | | | | | | | |
| Benzene | **<1.0** | ug/L | 1.0 | 1 | | 11/15/19 17:02 | 71-43-2 | |
| Chlorobenzene | **<1.0** | ug/L | 1.0 | 1 | | 11/15/19 17:02 | 108-90-7 | |
| Ethylbenzene | **<1.0** | ug/L | 1.0 | 1 | | 11/15/19 17:02 | 100-41-4 | |
| Toluene | **<1.0** | ug/L | 1.0 | 1 | | 11/15/19 17:02 | 108-88-3 | |
| m&p-Xylene | **<1.0** | ug/L | 1.0 | 1 | | 11/15/19 17:02 | 179601-23-1 | |
| o-Xylene | **<1.0** | ug/L | 1.0 | 1 | | 11/15/19 17:02 | 95-47-6 | |
| ***Surrogates*** | | | | | | | | |
| 4-Bromofluorobenzene (S) | 102 | % | 79-124 | 1 | | 11/15/19 17:02 | 460-00-4 | |
| Toluene-d8 (S) | 100 | % | 69-127 | 1 | | 11/15/19 17:02 | 2037-26-5 | |
| 1,2-Dichloroethane-d4 (S) | 104 | % | 68-153 | 1 | | 11/15/19 17:02 | 17060-07-0 | |
| **2540C Total Dissolved Solids** | Analytical Method: SM22 2540C | | | | | | | |
| Total Dissolved Solids | **692** | mg/L | 20.0 | 1 | | 11/19/19 10:49 | | |
| **2540D Total Suspended Solids** | Analytical Method: SM22 2540D | | | | | | | |
| Total Suspended Solids | **<2.0** | mg/L | 2.0 | 1 | | 11/19/19 14:19 | | |

## REPORT OF LABORATORY ANALYSIS

**Pace Analytical Services, LLC**
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

## ANALYTICAL RESULTS

Project: GE MAIN PLANT FACILITY 11/13
Pace Project No.: 70111765

**Sample: TRIP BLANK** **Lab ID: 70111765003** Collected: 11/13/19 13:58 Received: 11/14/19 11:00 Matrix: Water

| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---|---|---|---|---|---|---|---|
| **624.1 Volatile Organics** | Analytical Method: EPA 624.1 | | | | | | | |
| Benzene | **<1.0** | ug/L | 1.0 | 1 | | 11/15/19 16:44 | 71-43-2 | |
| Chlorobenzene | **<1.0** | ug/L | 1.0 | 1 | | 11/15/19 16:44 | 108-90-7 | |
| Ethylbenzene | **<1.0** | ug/L | 1.0 | 1 | | 11/15/19 16:44 | 100-41-4 | |
| Toluene | **<1.0** | ug/L | 1.0 | 1 | | 11/15/19 16:44 | 108-88-3 | |
| m&p-Xylene | **<1.0** | ug/L | 1.0 | 1 | | 11/15/19 16:44 | 179601-23-1 | |
| o-Xylene | **<1.0** | ug/L | 1.0 | 1 | | 11/15/19 16:44 | 95-47-6 | |
| ***Surrogates*** | | | | | | | | |
| 4-Bromofluorobenzene (S) | 100 | % | 79-124 | 1 | | 11/15/19 16:44 | 460-00-4 | |
| Toluene-d8 (S) | 101 | % | 69-127 | 1 | | 11/15/19 16:44 | 2037-26-5 | |
| 1,2-Dichloroethane-d4 (S) | 100 | % | 68-153 | 1 | | 11/15/19 16:44 | 17060-07-0 | |

## REPORT OF LABORATORY ANALYSIS

**Pace Analytical Services, LLC**
575 Broad Hollow Road
Melville, NY 11747
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## ANALYTICAL RESULTS

Project: GE MAIN PLANT FACILITY WEEKLY
Pace Project No.: 70112708

**Sample: EFFLUENT** **Lab ID: 70112708001** Collected: 11/20/19 14:45 Received: 11/21/19 10:30 Matrix: Water

| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---|---|---|---|---|---|---|---|
| **608.3 GCSV PCB LOW** | Analytical Method: EPA 608.3 Preparation Method: EPA 608.3 | | | | | | | |
| PCB-1016 (Aroclor 1016) | **<0.065** | ug/L | 0.065 | 1 | 11/21/19 21:00 | 11/22/19 16:30 | 12674-11-2 | |
| PCB-1221 (Aroclor 1221) | **<0.065** | ug/L | 0.065 | 1 | 11/21/19 21:00 | 11/22/19 16:30 | 11104-28-2 | |
| PCB-1232 (Aroclor 1232) | **<0.065** | ug/L | 0.065 | 1 | 11/21/19 21:00 | 11/22/19 16:30 | 11141-16-5 | |
| PCB-1242 (Aroclor 1242) | **<0.065** | ug/L | 0.065 | 1 | 11/21/19 21:00 | 11/22/19 16:30 | 53469-21-9 | |
| PCB-1248 (Aroclor 1248) | **<0.065** | ug/L | 0.065 | 1 | 11/21/19 21:00 | 11/22/19 16:30 | 12672-29-6 | |
| PCB-1254 (Aroclor 1254) | **<0.065** | ug/L | 0.065 | 1 | 11/21/19 21:00 | 11/22/19 16:30 | 11097-69-1 | |
| PCB-1260 (Aroclor 1260) | **<0.065** | ug/L | 0.065 | 1 | 11/21/19 21:00 | 11/22/19 16:30 | 11096-82-5 | |
| PCB, Total | **<0.065** | ug/L | 0.065 | 1 | 11/21/19 21:00 | 11/22/19 16:30 | 1336-36-3 | |
| ***Surrogates*** | | | | | | | | |
| Tetrachloro-m-xylene (S) | 45 | % | 10-149 | 1 | 11/21/19 21:00 | 11/22/19 16:30 | 877-09-8 | C2 |
| Decachlorobiphenyl (S) | 72 | % | 10-149 | 1 | 11/21/19 21:00 | 11/22/19 16:30 | 2051-24-3 | |
| **200.7 Metals, Total** | Analytical Method: EPA 200.7 Preparation Method: EPA 200.7 | | | | | | | |
| Aluminum | **<200** | ug/L | 200 | 1 | 12/02/19 09:24 | 12/03/19 20:27 | 7429-90-5 | |
| Iron | **<100** | ug/L | 100 | 1 | 12/02/19 09:24 | 12/03/19 20:27 | 7439-89-6 | |
| Lead | **<5.0** | ug/L | 5.0 | 1 | 12/02/19 09:24 | 12/03/19 20:27 | 7439-92-1 | |
| **5210B BOD, 5 day** | Analytical Method: SM22 5210B Preparation Method: SM22 5210B | | | | | | | |
| BOD, 5 day | **<2.0** | mg/L | 2.0 | 1 | 11/22/19 10:33 | 11/27/19 09:46 | | |
| **5210B cBOD, 5 day** | Analytical Method: SM22 5210B Preparation Method: SM22 5210B | | | | | | | |
| Carbonaceous BOD, 5 day | **<2.0** | mg/L | 2.0 | 1 | 11/22/19 10:33 | 11/27/19 09:43 | | |
| **351.2 Total Kjeldahl Nitrogen** | Analytical Method: EPA 351.2 Preparation Method: EPA 351.2 | | | | | | | |
| Nitrogen, Kjeldahl, Total | **1.7** | mg/L | 0.10 | 1 | 12/02/19 08:59 | 12/03/19 08:58 | 7727-37-9 | |

## REPORT OF LABORATORY ANALYSIS

**Pace Analytical Services, LLC**
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

## ANALYTICAL RESULTS

Project: GE MAIN PLANT FACILITY WEEKLY
Pace Project No.: 70112708

**Sample: EFFLUENT** **Lab ID: 70112708002** Collected: 11/20/19 13:00 Received: 11/21/19 10:30 Matrix: Water

| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---|---|---|---|---|---|---|---|
| **624.1 Volatile Organics** | Analytical Method: EPA 624.1 | | | | | | | |
| Benzene | **<1.0** | ug/L | 1.0 | 1 | | 11/21/19 19:17 | 71-43-2 | |
| Chlorobenzene | **<1.0** | ug/L | 1.0 | 1 | | 11/21/19 19:17 | 108-90-7 | |
| Ethylbenzene | **<1.0** | ug/L | 1.0 | 1 | | 11/21/19 19:17 | 100-41-4 | |
| Toluene | **<1.0** | ug/L | 1.0 | 1 | | 11/21/19 19:17 | 108-88-3 | |
| m&p-Xylene | **<1.0** | ug/L | 1.0 | 1 | | 11/21/19 19:17 | 179601-23-1 | |
| o-Xylene | **<1.0** | ug/L | 1.0 | 1 | | 11/21/19 19:17 | 95-47-6 | |
| ***Surrogates*** | | | | | | | | |
| 4-Bromofluorobenzene (S) | 101 | % | 79-124 | 1 | | 11/21/19 19:17 | 460-00-4 | |
| Toluene-d8 (S) | 98 | % | 69-127 | 1 | | 11/21/19 19:17 | 2037-26-5 | |
| 1,2-Dichloroethane-d4 (S) | 103 | % | 68-153 | 1 | | 11/21/19 19:17 | 17060-07-0 | |
| **2540C Total Dissolved Solids** | Analytical Method: SM22 2540C | | | | | | | |
| Total Dissolved Solids | **656** | mg/L | 20.0 | 1 | | 11/26/19 11:00 | | |
| **2540D Total Suspended Solids** | Analytical Method: SM22 2540D | | | | | | | |
| Total Suspended Solids | **2.4** | mg/L | 2.0 | 1 | | 11/26/19 14:38 | | |

## REPORT OF LABORATORY ANALYSIS

**Pace Analytical Services, LLC**
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

## ANALYTICAL RESULTS

Project: GE MAIN PLANT FACILITY WEEKLY
Pace Project No.: 70112708

**Sample: TRIP BLANK** **Lab ID: 70112708003** Collected: 11/20/19 13:00 Received: 11/21/19 10:30 Matrix: Water

| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---|---|---|---|---|---|---|---|
| **624.1 Volatile Organics** | Analytical Method: EPA 624.1 | | | | | | | |
| Benzene | **<1.0** | ug/L | 1.0 | 1 | | 11/21/19 18:59 | 71-43-2 | |
| Chlorobenzene | **<1.0** | ug/L | 1.0 | 1 | | 11/21/19 18:59 | 108-90-7 | |
| Ethylbenzene | **<1.0** | ug/L | 1.0 | 1 | | 11/21/19 18:59 | 100-41-4 | |
| Toluene | **<1.0** | ug/L | 1.0 | 1 | | 11/21/19 18:59 | 108-88-3 | |
| m&p-Xylene | **<1.0** | ug/L | 1.0 | 1 | | 11/21/19 18:59 | 179601-23-1 | |
| o-Xylene | **<1.0** | ug/L | 1.0 | 1 | | 11/21/19 18:59 | 95-47-6 | |
| ***Surrogates*** | | | | | | | | |
| 4-Bromofluorobenzene (S) | 101 | % | 79-124 | 1 | | 11/21/19 18:59 | 460-00-4 | |
| Toluene-d8 (S) | 98 | % | 69-127 | 1 | | 11/21/19 18:59 | 2037-26-5 | |
| 1,2-Dichloroethane-d4 (S) | 103 | % | 68-153 | 1 | | 11/21/19 18:59 | 17060-07-0 | |

## REPORT OF LABORATORY ANALYSIS

**Pace Analytical Services, LLC**
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

## ANALYTICAL RESULTS

Project: GE MAIN PLNT FCLTY WKLY 11/25
Pace Project No.: 70113182

**Sample: EFFLUENT** **Lab ID: 70113182001** Collected: 11/25/19 14:30 Received: 11/26/19 10:30 Matrix: Water

| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---|---|---|---|---|---|---|---|
| **608.3 GCSV PCB LOW** | Analytical Method: EPA 608.3 Preparation Method: EPA 608.3 | | | | | | | |
| PCB-1016 (Aroclor 1016) | **<0.065** | ug/L | 0.065 | 1 | 11/26/19 22:06 | 11/27/19 12:13 | 12674-11-2 | |
| PCB-1221 (Aroclor 1221) | **<0.065** | ug/L | 0.065 | 1 | 11/26/19 22:06 | 11/27/19 12:13 | 11104-28-2 | |
| PCB-1232 (Aroclor 1232) | **<0.065** | ug/L | 0.065 | 1 | 11/26/19 22:06 | 11/27/19 12:13 | 11141-16-5 | |
| PCB-1242 (Aroclor 1242) | **<0.065** | ug/L | 0.065 | 1 | 11/26/19 22:06 | 11/27/19 12:13 | 53469-21-9 | |
| PCB-1248 (Aroclor 1248) | **<0.065** | ug/L | 0.065 | 1 | 11/26/19 22:06 | 11/27/19 12:13 | 12672-29-6 | |
| PCB-1254 (Aroclor 1254) | **<0.065** | ug/L | 0.065 | 1 | 11/26/19 22:06 | 11/27/19 12:13 | 11097-69-1 | |
| PCB-1260 (Aroclor 1260) | **<0.065** | ug/L | 0.065 | 1 | 11/26/19 22:06 | 11/27/19 12:13 | 11096-82-5 | |
| PCB, Total | **<0.065** | ug/L | 0.065 | 1 | 11/26/19 22:06 | 11/27/19 12:13 | 1336-36-3 | |
| ***Surrogates*** | | | | | | | | |
| Tetrachloro-m-xylene (S) | 45 | % | 10-149 | 1 | 11/26/19 22:06 | 11/27/19 12:13 | 877-09-8 | C2 |
| Decachlorobiphenyl (S) | 95 | % | 10-149 | 1 | 11/26/19 22:06 | 11/27/19 12:13 | 2051-24-3 | CH |
| **200.7 Metals, Total** | Analytical Method: EPA 200.7 Preparation Method: EPA 200.7 | | | | | | | |
| Aluminum | **<200** | ug/L | 200 | 1 | 12/04/19 08:43 | 12/05/19 16:20 | 7429-90-5 | |
| Iron | **186** | ug/L | 100 | 1 | 12/04/19 08:43 | 12/05/19 16:20 | 7439-89-6 | |
| Lead | **<5.0** | ug/L | 5.0 | 1 | 12/04/19 08:43 | 12/05/19 16:20 | 7439-92-1 | |
| **5210B BOD, 5 day** | Analytical Method: SM22 5210B Preparation Method: SM22 5210B | | | | | | | |
| BOD, 5 day | **<2.0** | mg/L | 2.0 | 1 | 11/26/19 13:31 | 12/01/19 08:41 | | |
| **5210B cBOD, 5 day** | Analytical Method: SM22 5210B Preparation Method: SM22 5210B | | | | | | | |
| Carbonaceous BOD, 5 day | **<2.0** | mg/L | 2.0 | 1 | 11/26/19 13:31 | 12/01/19 08:39 | | |
| **351.2 Total Kjeldahl Nitrogen** | Analytical Method: EPA 351.2 Preparation Method: EPA 351.2 | | | | | | | |
| Nitrogen, Kjeldahl, Total | **1.9** | mg/L | 0.10 | 1 | 12/05/19 09:13 | 12/05/19 16:25 | 7727-37-9 | |

## REPORT OF LABORATORY ANALYSIS

**Pace Analytical Services, LLC**
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

## ANALYTICAL RESULTS

Project: GE MAIN PLNT FCLTY WKLY 11/25
Pace Project No.: 70113182

**Sample: EFFLUENT** **Lab ID: 70113182002** Collected: 11/25/19 14:00 Received: 11/26/19 10:30 Matrix: Water

| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---|---|---|---|---|---|---|---|
| **624.1 Volatile Organics** | Analytical Method: EPA 624.1 | | | | | | | |
| Benzene | **<1.0** | ug/L | 1.0 | 1 | | 11/26/19 19:36 | 71-43-2 | |
| Chlorobenzene | **<1.0** | ug/L | 1.0 | 1 | | 11/26/19 19:36 | 108-90-7 | |
| Ethylbenzene | **<1.0** | ug/L | 1.0 | 1 | | 11/26/19 19:36 | 100-41-4 | |
| Toluene | **<1.0** | ug/L | 1.0 | 1 | | 11/26/19 19:36 | 108-88-3 | |
| m&p-Xylene | **<1.0** | ug/L | 1.0 | 1 | | 11/26/19 19:36 | 179601-23-1 | |
| o-Xylene | **<1.0** | ug/L | 1.0 | 1 | | 11/26/19 19:36 | 95-47-6 | |
| ***Surrogates*** | | | | | | | | |
| 4-Bromofluorobenzene (S) | 107 | % | 79-124 | 1 | | 11/26/19 19:36 | 460-00-4 | |
| Toluene-d8 (S) | 108 | % | 69-127 | 1 | | 11/26/19 19:36 | 2037-26-5 | |
| 1,2-Dichloroethane-d4 (S) | 85 | % | 68-153 | 1 | | 11/26/19 19:36 | 17060-07-0 | |
| **2540C Total Dissolved Solids** | Analytical Method: SM22 2540C | | | | | | | |
| Total Dissolved Solids | **654** | mg/L | 20.0 | 1 | | 12/02/19 09:51 | | |
| **2540D Total Suspended Solids** | Analytical Method: SM22 2540D | | | | | | | |
| Total Suspended Solids | **<2.0** | mg/L | 2.0 | 1 | | 12/02/19 13:26 | | |

## REPORT OF LABORATORY ANALYSIS

**Pace Analytical Services, LLC**
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

## ANALYTICAL RESULTS

Project: GE MAIN PLNT FCLTY WKLY 11/25
Pace Project No.: 70113182

**Sample: TRIP BLANK** **Lab ID: 70113182003** Collected: 11/25/19 14:00 Received: 11/26/19 10:30 Matrix: Water

| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---|---|---|---|---|---|---|---|
| **624.1 Volatile Organics** | Analytical Method: EPA 624.1 | | | | | | | |
| Benzene | **<1.0** | ug/L | 1.0 | 1 | | 11/26/19 19:18 | 71-43-2 | |
| Chlorobenzene | **<1.0** | ug/L | 1.0 | 1 | | 11/26/19 19:18 | 108-90-7 | |
| Ethylbenzene | **<1.0** | ug/L | 1.0 | 1 | | 11/26/19 19:18 | 100-41-4 | |
| Toluene | **<1.0** | ug/L | 1.0 | 1 | | 11/26/19 19:18 | 108-88-3 | |
| m&p-Xylene | **<1.0** | ug/L | 1.0 | 1 | | 11/26/19 19:18 | 179601-23-1 | |
| o-Xylene | **<1.0** | ug/L | 1.0 | 1 | | 11/26/19 19:18 | 95-47-6 | |
| ***Surrogates*** | | | | | | | | |
| 4-Bromofluorobenzene (S) | 105 | % | 79-124 | 1 | | 11/26/19 19:18 | 460-00-4 | |
| Toluene-d8 (S) | 105 | % | 69-127 | 1 | | 11/26/19 19:18 | 2037-26-5 | |
| 1,2-Dichloroethane-d4 (S) | 81 | % | 68-153 | 1 | | 11/26/19 19:18 | 17060-07-0 | |

## REPORT OF LABORATORY ANALYSIS

**Pace Analytical Services, LLC**
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

## ANALYTICAL RESULTS

Project: GE MAIN PLANT FACILITY 11/11
Pace Project No.: 70111446

**Sample: EFFLUENT** **Lab ID: 70111446001** Collected: 11/11/19 13:25 Received: 11/12/19 11:50 Matrix: Water

| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---|---|---|---|---|---|---|---|
| **608.3 GCSV PCB LOW** | Analytical Method: EPA 608.3 Preparation Method: EPA 608.3 | | | | | | | |
| PCB-1016 (Aroclor 1016) | **<0.065** | ug/L | 0.065 | 1 | 11/13/19 09:13 | 11/13/19 23:18 | 12674-11-2 | |
| PCB-1221 (Aroclor 1221) | **<0.065** | ug/L | 0.065 | 1 | 11/13/19 09:13 | 11/13/19 23:18 | 11104-28-2 | |
| PCB-1232 (Aroclor 1232) | **<0.065** | ug/L | 0.065 | 1 | 11/13/19 09:13 | 11/13/19 23:18 | 11141-16-5 | |
| PCB-1242 (Aroclor 1242) | **<0.065** | ug/L | 0.065 | 1 | 11/13/19 09:13 | 11/13/19 23:18 | 53469-21-9 | |
| PCB-1248 (Aroclor 1248) | **<0.065** | ug/L | 0.065 | 1 | 11/13/19 09:13 | 11/13/19 23:18 | 12672-29-6 | |
| PCB-1254 (Aroclor 1254) | **<0.065** | ug/L | 0.065 | 1 | 11/13/19 09:13 | 11/13/19 23:18 | 11097-69-1 | |
| PCB-1260 (Aroclor 1260) | **<0.065** | ug/L | 0.065 | 1 | 11/13/19 09:13 | 11/13/19 23:18 | 11096-82-5 | |
| PCB, Total | **<0.065** | ug/L | 0.065 | 1 | 11/13/19 09:13 | 11/13/19 23:18 | 1336-36-3 | |
| ***Surrogates*** | | | | | | | | |
| Tetrachloro-m-xylene (S) | 70 | % | 10-149 | 1 | 11/13/19 09:13 | 11/13/19 23:18 | 877-09-8 | |
| Decachlorobiphenyl (S) | 46 | % | 10-149 | 1 | 11/13/19 09:13 | 11/13/19 23:18 | 2051-24-3 | |
| **200.7 Metals, Total** | Analytical Method: EPA 200.7 Preparation Method: EPA 200.7 | | | | | | | |
| Aluminum | **5990** | ug/L | 200 | 1 | 11/14/19 10:04 | 11/19/19 12:29 | 7429-90-5 | |
| Iron | **11000** | ug/L | 100 | 1 | 11/14/19 10:04 | 11/19/19 12:29 | 7439-89-6 | |
| Lead | **<5.0** | ug/L | 5.0 | 1 | 11/14/19 10:04 | 11/19/19 12:29 | 7439-92-1 | |
| **624.1 Volatile Organics** | Analytical Method: EPA 624.1 | | | | | | | |
| Benzene | **<1.0** | ug/L | 1.0 | 1 | | 11/13/19 13:55 | 71-43-2 | |
| Chlorobenzene | **<1.0** | ug/L | 1.0 | 1 | | 11/13/19 13:55 | 108-90-7 | |
| Ethylbenzene | **<1.0** | ug/L | 1.0 | 1 | | 11/13/19 13:55 | 100-41-4 | |
| Toluene | **<1.0** | ug/L | 1.0 | 1 | | 11/13/19 13:55 | 108-88-3 | |
| m&p-Xylene | **<1.0** | ug/L | 1.0 | 1 | | 11/13/19 13:55 | 179601-23-1 | |
| o-Xylene | **<1.0** | ug/L | 1.0 | 1 | | 11/13/19 13:55 | 95-47-6 | |
| ***Surrogates*** | | | | | | | | |
| 4-Bromofluorobenzene (S) | 99 | % | 79-124 | 1 | | 11/13/19 13:55 | 460-00-4 | |
| Toluene-d8 (S) | 101 | % | 69-127 | 1 | | 11/13/19 13:55 | 2037-26-5 | |
| 1,2-Dichloroethane-d4 (S) | 102 | % | 68-153 | 1 | | 11/13/19 13:55 | 17060-07-0 | |
| **2540C Total Dissolved Solids** | Analytical Method: SM22 2540C | | | | | | | |
| Total Dissolved Solids | **658** | mg/L | 20.0 | 1 | | 11/18/19 09:10 | | |
| **2540D Total Suspended Solids** | Analytical Method: SM22 2540D | | | | | | | |
| Total Suspended Solids | **212** | mg/L | 10.0 | 1 | | 11/15/19 14:52 | | |
| **5210B BOD, 5 day** | Analytical Method: SM22 5210B Preparation Method: SM22 5210B | | | | | | | |
| BOD, 5 day | **<2.0** | mg/L | 2.0 | 1 | 11/12/19 17:04 | 11/17/19 11:46 | | |
| **5210B cBOD, 5 day** | Analytical Method: SM22 5210B Preparation Method: SM22 5210B | | | | | | | |
| Carbonaceous BOD, 5 day | **<2.0** | mg/L | 2.0 | 1 | 11/12/19 17:01 | 11/17/19 11:44 | | |
| **351.2 Total Kjeldahl Nitrogen** | Analytical Method: EPA 351.2 Preparation Method: EPA 351.2 | | | | | | | |
| Nitrogen, Kjeldahl, Total | **2.1** | mg/L | 0.10 | 1 | 11/19/19 09:48 | 11/19/19 15:48 | 7727-37-9 | |

## REPORT OF LABORATORY ANALYSIS

**Pace Analytical Services, LLC**
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

## ANALYTICAL RESULTS

Project: GE MAIN PLANT FACILITY 11/11
Pace Project No.: 70111446

**Sample: TRIP BLANK** **Lab ID: 70111446002** Collected: 11/11/19 13:25 Received: 11/12/19 11:50 Matrix: Water

| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---|---|---|---|---|---|---|---|
| **624.1 Volatile Organics** | Analytical Method: EPA 624.1 | | | | | | | |
| Benzene | **<1.0** | ug/L | 1.0 | 1 | | 11/13/19 13:37 | 71-43-2 | |
| Chlorobenzene | **<1.0** | ug/L | 1.0 | 1 | | 11/13/19 13:37 | 108-90-7 | |
| Ethylbenzene | **<1.0** | ug/L | 1.0 | 1 | | 11/13/19 13:37 | 100-41-4 | |
| Toluene | **<1.0** | ug/L | 1.0 | 1 | | 11/13/19 13:37 | 108-88-3 | |
| m&p-Xylene | **<1.0** | ug/L | 1.0 | 1 | | 11/13/19 13:37 | 179601-23-1 | |
| o-Xylene | **<1.0** | ug/L | 1.0 | 1 | | 11/13/19 13:37 | 95-47-6 | |
| ***Surrogates*** | | | | | | | | |
| 4-Bromofluorobenzene (S) | 101 | % | 79-124 | 1 | | 11/13/19 13:37 | 460-00-4 | |
| Toluene-d8 (S) | 102 | % | 69-127 | 1 | | 11/13/19 13:37 | 2037-26-5 | |
| 1,2-Dichloroethane-d4 (S) | 101 | % | 68-153 | 1 | | 11/13/19 13:37 | 17060-07-0 | |

## REPORT OF LABORATORY ANALYSIS

**Pace Analytical Services, LLC**
575 Broad Hollow Road
Melville, NY 11747
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## ANALYTICAL RESULTS

Project: GE MAIN PLANT FACILITY 11/11
Pace Project No.: 70111447

**Sample: EFFLUENT** **Lab ID: 70111447001** Collected: 11/11/19 13:19 Received: 11/12/19 11:50 Matrix: Water

| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---|---|---|---|---|---|---|---|
| **608.3 GCSV PCB LOW** | Analytical Method: EPA 608.3 Preparation Method: EPA 608.3 | | | | | | | |
| PCB-1016 (Aroclor 1016) | **<0.065** | ug/L | 0.065 | 1 | 11/13/19 09:13 | 11/13/19 23:45 | 12674-11-2 | |
| PCB-1221 (Aroclor 1221) | **<0.065** | ug/L | 0.065 | 1 | 11/13/19 09:13 | 11/13/19 23:45 | 11104-28-2 | |
| PCB-1232 (Aroclor 1232) | **<0.065** | ug/L | 0.065 | 1 | 11/13/19 09:13 | 11/13/19 23:45 | 11141-16-5 | |
| PCB-1242 (Aroclor 1242) | **<0.065** | ug/L | 0.065 | 1 | 11/13/19 09:13 | 11/13/19 23:45 | 53469-21-9 | |
| PCB-1248 (Aroclor 1248) | **<0.065** | ug/L | 0.065 | 1 | 11/13/19 09:13 | 11/13/19 23:45 | 12672-29-6 | |
| PCB-1254 (Aroclor 1254) | **<0.065** | ug/L | 0.065 | 1 | 11/13/19 09:13 | 11/13/19 23:45 | 11097-69-1 | |
| PCB-1260 (Aroclor 1260) | **<0.065** | ug/L | 0.065 | 1 | 11/13/19 09:13 | 11/13/19 23:45 | 11096-82-5 | |
| PCB, Total | **<0.065** | ug/L | 0.065 | 1 | 11/13/19 09:13 | 11/13/19 23:45 | 1336-36-3 | |
| ***Surrogates*** | | | | | | | | |
| Tetrachloro-m-xylene (S) | 66 | % | 10-149 | 1 | 11/13/19 09:13 | 11/13/19 23:45 | 877-09-8 | |
| Decachlorobiphenyl (S) | 53 | % | 10-149 | 1 | 11/13/19 09:13 | 11/13/19 23:45 | 2051-24-3 | |
| **200.7 Metals, Total** | Analytical Method: EPA 200.7 Preparation Method: EPA 200.7 | | | | | | | |
| Aluminum | **4650** | ug/L | 200 | 1 | 11/14/19 10:04 | 11/19/19 12:31 | 7429-90-5 | |
| Iron | **8110** | ug/L | 100 | 1 | 11/14/19 10:04 | 11/19/19 12:31 | 7439-89-6 | |
| Lead | **<5.0** | ug/L | 5.0 | 1 | 11/14/19 10:04 | 11/19/19 12:31 | 7439-92-1 | |
| **624.1 Volatile Organics** | Analytical Method: EPA 624.1 | | | | | | | |
| Benzene | **<1.0** | ug/L | 1.0 | 1 | | 11/13/19 10:51 | 71-43-2 | |
| Chlorobenzene | **<1.0** | ug/L | 1.0 | 1 | | 11/13/19 10:51 | 108-90-7 | |
| Ethylbenzene | **<1.0** | ug/L | 1.0 | 1 | | 11/13/19 10:51 | 100-41-4 | |
| Toluene | **<1.0** | ug/L | 1.0 | 1 | | 11/13/19 10:51 | 108-88-3 | |
| m&p-Xylene | **<1.0** | ug/L | 1.0 | 1 | | 11/13/19 10:51 | 179601-23-1 | |
| o-Xylene | **<1.0** | ug/L | 1.0 | 1 | | 11/13/19 10:51 | 95-47-6 | |
| ***Surrogates*** | | | | | | | | |
| 4-Bromofluorobenzene (S) | 101 | % | 79-124 | 1 | | 11/13/19 10:51 | 460-00-4 | |
| Toluene-d8 (S) | 99 | % | 69-127 | 1 | | 11/13/19 10:51 | 2037-26-5 | |
| 1,2-Dichloroethane-d4 (S) | 103 | % | 68-153 | 1 | | 11/13/19 10:51 | 17060-07-0 | |
| **2540C Total Dissolved Solids** | Analytical Method: SM22 2540C | | | | | | | |
| Total Dissolved Solids | **670** | mg/L | 20.0 | 1 | | 11/18/19 09:10 | | |
| **2540D Total Suspended Solids** | Analytical Method: SM22 2540D | | | | | | | |
| Total Suspended Solids | **142** | mg/L | 10.0 | 1 | | 11/15/19 14:52 | | |
| **5210B BOD, 5 day** | Analytical Method: SM22 5210B Preparation Method: SM22 5210B | | | | | | | |
| BOD, 5 day | **<2.0** | mg/L | 2.0 | 1 | 11/12/19 17:11 | 11/17/19 11:51 | | |
| **5210B cBOD, 5 day** | Analytical Method: SM22 5210B Preparation Method: SM22 5210B | | | | | | | |
| Carbonaceous BOD, 5 day | **<2.0** | mg/L | 2.0 | 1 | 11/12/19 17:06 | 11/17/19 11:49 | | |
| **351.2 Total Kjeldahl Nitrogen** | Analytical Method: EPA 351.2 Preparation Method: EPA 351.2 | | | | | | | |
| Nitrogen, Kjeldahl, Total | **1.9** | mg/L | 0.10 | 1 | 11/19/19 09:48 | 11/19/19 15:49 | 7727-37-9 | |

## REPORT OF LABORATORY ANALYSIS

**Pace Analytical Services, LLC**
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

## ANALYTICAL RESULTS

Project: GE MAIN PLANT FACILITY 11/11
Pace Project No.: 70111447

**Sample: TRIP BLANK** **Lab ID: 70111447002** Collected: 11/11/19 13:19 Received: 11/12/19 11:50 Matrix: Water

| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---|---|---|---|---|---|---|---|
| **624.1 Volatile Organics** | Analytical Method: EPA 624.1 | | | | | | | |
| Benzene | **<1.0** | ug/L | 1.0 | 1 | | 11/13/19 10:33 | 71-43-2 | |
| Chlorobenzene | **<1.0** | ug/L | 1.0 | 1 | | 11/13/19 10:33 | 108-90-7 | |
| Ethylbenzene | **<1.0** | ug/L | 1.0 | 1 | | 11/13/19 10:33 | 100-41-4 | |
| Toluene | **<1.0** | ug/L | 1.0 | 1 | | 11/13/19 10:33 | 108-88-3 | |
| m&p-Xylene | **<1.0** | ug/L | 1.0 | 1 | | 11/13/19 10:33 | 179601-23-1 | |
| o-Xylene | **<1.0** | ug/L | 1.0 | 1 | | 11/13/19 10:33 | 95-47-6 | |
| ***Surrogates*** | | | | | | | | |
| 4-Bromofluorobenzene (S) | 100 | % | 79-124 | 1 | | 11/13/19 10:33 | 460-00-4 | |
| Toluene-d8 (S) | 101 | % | 69-127 | 1 | | 11/13/19 10:33 | 2037-26-5 | |
| 1,2-Dichloroethane-d4 (S) | 113 | % | 68-153 | 1 | | 11/13/19 10:33 | 17060-07-0 | |

## REPORT OF LABORATORY ANALYSIS

**Pace Analytical Services, LLC**
575 Broad Hollow Road
Melville, NY 11747
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## ANALYTICAL RESULTS

Project: GE MAIN PLANT FACILITY 11/11
Pace Project No.: 70111448

**Sample: EFFLUENT** **Lab ID: 70111448001** Collected: 11/11/19 13:13 Received: 11/12/19 11:50 Matrix: Water

| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---|---|---|---|---|---|---|---|
| **608.3 GCSV PCB LOW** | Analytical Method: EPA 608.3 Preparation Method: EPA 608.3 | | | | | | | |
| PCB-1016 (Aroclor 1016) | **<0.065** | ug/L | 0.065 | 1 | 11/13/19 09:13 | 11/14/19 00:12 | 12674-11-2 | |
| PCB-1221 (Aroclor 1221) | **<0.065** | ug/L | 0.065 | 1 | 11/13/19 09:13 | 11/14/19 00:12 | 11104-28-2 | |
| PCB-1232 (Aroclor 1232) | **<0.065** | ug/L | 0.065 | 1 | 11/13/19 09:13 | 11/14/19 00:12 | 11141-16-5 | |
| PCB-1242 (Aroclor 1242) | **<0.065** | ug/L | 0.065 | 1 | 11/13/19 09:13 | 11/14/19 00:12 | 53469-21-9 | |
| PCB-1248 (Aroclor 1248) | **<0.065** | ug/L | 0.065 | 1 | 11/13/19 09:13 | 11/14/19 00:12 | 12672-29-6 | |
| PCB-1254 (Aroclor 1254) | **<0.065** | ug/L | 0.065 | 1 | 11/13/19 09:13 | 11/14/19 00:12 | 11097-69-1 | |
| PCB-1260 (Aroclor 1260) | **<0.065** | ug/L | 0.065 | 1 | 11/13/19 09:13 | 11/14/19 00:12 | 11096-82-5 | |
| PCB, Total | **<0.065** | ug/L | 0.065 | 1 | 11/13/19 09:13 | 11/14/19 00:12 | 1336-36-3 | |
| ***Surrogates*** | | | | | | | | |
| Tetrachloro-m-xylene (S) | 39 | % | 10-149 | 1 | 11/13/19 09:13 | 11/14/19 00:12 | 877-09-8 | |
| Decachlorobiphenyl (S) | 40 | % | 10-149 | 1 | 11/13/19 09:13 | 11/14/19 00:12 | 2051-24-3 | |
| **200.7 Metals, Total** | Analytical Method: EPA 200.7 Preparation Method: EPA 200.7 | | | | | | | |
| Aluminum | **8190** | ug/L | 200 | 1 | 11/14/19 10:04 | 11/19/19 12:33 | 7429-90-5 | |
| Iron | **16300** | ug/L | 100 | 1 | 11/14/19 10:04 | 11/19/19 12:33 | 7439-89-6 | |
| Lead | **<5.0** | ug/L | 5.0 | 1 | 11/14/19 10:04 | 11/19/19 12:33 | 7439-92-1 | |
| **624.1 Volatile Organics** | Analytical Method: EPA 624.1 | | | | | | | |
| Benzene | **<1.0** | ug/L | 1.0 | 1 | | 11/13/19 13:19 | 71-43-2 | |
| Chlorobenzene | **<1.0** | ug/L | 1.0 | 1 | | 11/13/19 13:19 | 108-90-7 | |
| Ethylbenzene | **<1.0** | ug/L | 1.0 | 1 | | 11/13/19 13:19 | 100-41-4 | |
| Toluene | **<1.0** | ug/L | 1.0 | 1 | | 11/13/19 13:19 | 108-88-3 | |
| m&p-Xylene | **<1.0** | ug/L | 1.0 | 1 | | 11/13/19 13:19 | 179601-23-1 | |
| o-Xylene | **<1.0** | ug/L | 1.0 | 1 | | 11/13/19 13:19 | 95-47-6 | |
| ***Surrogates*** | | | | | | | | |
| 4-Bromofluorobenzene (S) | 99 | % | 79-124 | 1 | | 11/13/19 13:19 | 460-00-4 | |
| Toluene-d8 (S) | 98 | % | 69-127 | 1 | | 11/13/19 13:19 | 2037-26-5 | |
| 1,2-Dichloroethane-d4 (S) | 101 | % | 68-153 | 1 | | 11/13/19 13:19 | 17060-07-0 | |
| **2540C Total Dissolved Solids** | Analytical Method: SM22 2540C | | | | | | | |
| Total Dissolved Solids | **706** | mg/L | 20.0 | 1 | | 11/18/19 09:11 | | |
| **2540D Total Suspended Solids** | Analytical Method: SM22 2540D | | | | | | | |
| Total Suspended Solids | **212** | mg/L | 10.0 | 1 | | 11/15/19 14:52 | | |
| **5210B BOD, 5 day** | Analytical Method: SM22 5210B Preparation Method: SM22 5210B | | | | | | | |
| BOD, 5 day | **2.3** | mg/L | 2.0 | 1 | 11/12/19 17:14 | 11/17/19 11:55 | | |
| **5210B cBOD, 5 day** | Analytical Method: SM22 5210B Preparation Method: SM22 5210B | | | | | | | |
| Carbonaceous BOD, 5 day | **<2.0** | mg/L | 2.0 | 1 | 11/12/19 17:13 | 11/17/19 11:53 | | |
| **351.2 Total Kjeldahl Nitrogen** | Analytical Method: EPA 351.2 Preparation Method: EPA 351.2 | | | | | | | |
| Nitrogen, Kjeldahl, Total | **2.1** | mg/L | 0.10 | 1 | 11/19/19 09:48 | 11/19/19 15:50 | 7727-37-9 | |

## REPORT OF LABORATORY ANALYSIS

**Pace Analytical Services, LLC**
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

## ANALYTICAL RESULTS

Project: GE MAIN PLANT FACILITY 11/11
Pace Project No.: 70111448

**Sample: TRIP BLANK** **Lab ID: 70111448002** Collected: 11/11/19 13:13 Received: 11/12/19 11:50 Matrix: Water

| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---|---|---|---|---|---|---|---|
| **624.1 Volatile Organics** | Analytical Method: EPA 624.1 | | | | | | | |
| Benzene | **<1.0** | ug/L | 1.0 | 1 | | 11/13/19 13:01 | 71-43-2 | |
| Chlorobenzene | **<1.0** | ug/L | 1.0 | 1 | | 11/13/19 13:01 | 108-90-7 | |
| Ethylbenzene | **<1.0** | ug/L | 1.0 | 1 | | 11/13/19 13:01 | 100-41-4 | |
| Toluene | **<1.0** | ug/L | 1.0 | 1 | | 11/13/19 13:01 | 108-88-3 | |
| m&p-Xylene | **<1.0** | ug/L | 1.0 | 1 | | 11/13/19 13:01 | 179601-23-1 | |
| o-Xylene | **<1.0** | ug/L | 1.0 | 1 | | 11/13/19 13:01 | 95-47-6 | |
| ***Surrogates*** | | | | | | | | |
| 4-Bromofluorobenzene (S) | 101 | % | 79-124 | 1 | | 11/13/19 13:01 | 460-00-4 | |
| Toluene-d8 (S) | 100 | % | 69-127 | 1 | | 11/13/19 13:01 | 2037-26-5 | |
| 1,2-Dichloroethane-d4 (S) | 103 | % | 68-153 | 1 | | 11/13/19 13:01 | 17060-07-0 | |

## REPORT OF LABORATORY ANALYSIS

**Annual Groundwater Monitoring Analytical Data**

**Sample Description:** **P-21-110719 Grab Groundwater**
**General Electric Schenectady Main Plant**

**Project Name:** **GE Schenectady Main Plant**

Submittal Date/Time: 11/08/2019 11:03
Collection Date/Time: 11/07/2019 10:25
SDG#: SMP17-01

**GE-O'Brien & Gere, Inc.**
**ELLE Sample #: GW 1199055**
**ELLE Group #: 2074010**
**Matrix: Groundwater**

| CAT No. | Analysis Name | CAS Number | Result | Limit of Quantitation* | Method Detection Limit | Dilution Factor |
|---|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260C 25mL purge** | | **ug/l** | **ug/l** | **ug/l** | |
| 11996 | Acetone | 67-64-1 | 16 | 5.0 | 0.9 | 1 |
| 11996 | Benzene | 71-43-2 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | 2-Butanone | 78-93-3 | N.D. | 5.0 | 0.6 | 1 |
| 11996 | Chlorobenzene | 108-90-7 | 2.6 | 0.5 | 0.06 | 1 |
| 11996 | Chloroethane | 75-00-3 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | Cyclohexane | 110-82-7 | 0.09 J | 0.5 | 0.05 | 1 |
| 11996 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | 1,4-Dichlorobenzene | 106-46-7 | 0.08 J | 0.5 | 0.07 | 1 |
| 11996 | 1,1-Dichloroethane | 75-34-3 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | 1,2-Dichloroethane | 107-06-2 | 0.06 J | 0.5 | 0.05 | 1 |
| 11996 | 1,1-Dichloroethene | 75-35-4 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | cis-1,2-Dichloroethene | 156-59-2 | 0.07 J | 0.5 | 0.05 | 1 |
| 11996 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | 1,2-Dichloroethene (Total)[1] | 540-59-0 | N.D. | 1.0 | 0.1 | 1 |
| 11996 | Ethylbenzene | 100-41-4 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Isopropylbenzene | 98-82-8 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | 5.0 | 0.7 | 1 |
| 11996 | Methylcyclohexane | 108-87-2 | 0.06 J | 0.5 | 0.05 | 1 |
| 11996 | Methylene Chloride | 75-09-2 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | Tetrachloroethene | 127-18-4 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Toluene | 108-88-3 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | 1,1,1-Trichloroethane | 71-55-6 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Trichloroethene | 79-01-6 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Vinyl Chloride | 75-01-4 | N.D. | 0.5 | 0.1 | 1 |
| 11996 | Xylene (Total) | 1330-20-7 | N.D. | 1.0 | 0.2 | 1 |

Project defined calibration criteria are not met. The calibration is compliant with the method defined criteria.

A Report Limit Verification (RLV) standard is analyzed to confirm sensitivity of the instrument for samples with non-detect analytes associated with a continuing calibration verification standard exhibiting low response (outside the 20%D criteria). The RLV standard shows adequate sensitivity at or below the reporting limit.

## Sample Comments

State of New York Certification No. 10670

[1] = This analyte was not on the laboratory's NYSDOH Scope of Accreditation at the time of analysis.

*=This limit was used in the evaluation of the final result

**Sample Description:** **P-21-110719 Grab Groundwater**
**General Electric Schenectady Main Plant**

**Project Name:** **GE Schenectady Main Plant**

Submittal Date/Time: 11/08/2019 11:03
Collection Date/Time: 11/07/2019 10:25
SDG#: SMP17-01

**GE-O'Brien & Gere, Inc.**
**ELLE Sample #: GW 1199055**
**ELLE Group #: 2074010**
**Matrix: Groundwater**

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 11996 | VOCs 8260C | SW-846 8260C 25mL purge | 1 | G193172AA | 11/14/2019 00:30 | Miranda Campbell | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030C | 1 | G193172AA | 11/14/2019 00:29 | Miranda Campbell | 1 |

*=This limit was used in the evaluation of the final result

**Sample Description:** **P-26R-110719 Grab Groundwater**
**General Electric Schenectady Main Plant**

**Project Name:** **GE Schenectady Main Plant**

Submittal Date/Time: 11/08/2019 11:03
Collection Date/Time: 11/07/2019 10:45
SDG#: SMP17-02

**GE-O'Brien & Gere, Inc.**
**ELLE Sample #: GW 1199056**
**ELLE Group #: 2074010**
**Matrix: Groundwater**

| CAT No. | Analysis Name | CAS Number | Result | Limit of Quantitation* | Method Detection Limit | Dilution Factor |
|---|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260C 25mL purge** | | **ug/l** | **ug/l** | **ug/l** | |
| 11996 | Acetone | 67-64-1 | 1.4 J | 5.0 | 0.9 | 1 |
| 11996 | Benzene | 71-43-2 | 0.7 | 0.5 | 0.05 | 1 |
| 11996 | 2-Butanone | 78-93-3 | N.D. | 5.0 | 0.6 | 1 |
| 11996 | Chlorobenzene | 108-90-7 | 4.2 | 0.5 | 0.06 | 1 |
| 11996 | Chloroethane | 75-00-3 | 0.7 | 0.5 | 0.07 | 1 |
| 11996 | Cyclohexane | 110-82-7 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | 1,2-Dichlorobenzene | 95-50-1 | 0.2 J | 0.5 | 0.06 | 1 |
| 11996 | 1,3-Dichlorobenzene | 541-73-1 | 0.2 J | 0.5 | 0.06 | 1 |
| 11996 | 1,4-Dichlorobenzene | 106-46-7 | 0.6 | 0.5 | 0.07 | 1 |
| 11996 | 1,1-Dichloroethane | 75-34-3 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | 1,2-Dichloroethane | 107-06-2 | 0.07 J | 0.5 | 0.05 | 1 |
| 11996 | 1,1-Dichloroethene | 75-35-4 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | cis-1,2-Dichloroethene | 156-59-2 | 0.2 J | 0.5 | 0.05 | 1 |
| 11996 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | 1,2-Dichloroethene (Total)[1] | 540-59-0 | 0.2 J | 1.0 | 0.1 | 1 |
| 11996 | Ethylbenzene | 100-41-4 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Isopropylbenzene | 98-82-8 | 0.1 J | 0.5 | 0.05 | 1 |
| 11996 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | 5.0 | 0.7 | 1 |
| 11996 | Methylcyclohexane | 108-87-2 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | Methylene Chloride | 75-09-2 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | Tetrachloroethene | 127-18-4 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Toluene | 108-88-3 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | 1,1,1-Trichloroethane | 71-55-6 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Trichloroethene | 79-01-6 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Vinyl Chloride | 75-01-4 | 0.1 J | 0.5 | 0.1 | 1 |
| 11996 | Xylene (Total) | 1330-20-7 | N.D. | 1.0 | 0.2 | 1 |

Project defined calibration criteria are not met. The calibration is compliant with the method defined criteria.

A Report Limit Verification (RLV) standard is analyzed to confirm sensitivity of the instrument for samples with non-detect analytes associated with a continuing calibration verification standard exhibiting low response (outside the 20%D criteria). The RLV standard shows adequate sensitivity at or below the reporting limit.

## Sample Comments

State of New York Certification No. 10670

[1] = This analyte was not on the laboratory's NYSDOH Scope of Accreditation at the time of analysis.

*=This limit was used in the evaluation of the final result

**Sample Description:** **P-26R-110719 Grab Groundwater**
**General Electric Schenectady Main Plant**

**Project Name:** **GE Schenectady Main Plant**

Submittal Date/Time: 11/08/2019 11:03
Collection Date/Time: 11/07/2019 10:45
SDG#: SMP17-02

**GE-O'Brien & Gere, Inc.**
**ELLE Sample #: GW 1199056**
**ELLE Group #: 2074010**
**Matrix: Groundwater**

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 11996 | VOCs 8260C | SW-846 8260C 25mL purge | 1 | G193172AA | 11/14/2019 00:52 | Miranda Campbell | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030C | 1 | G193172AA | 11/14/2019 00:51 | Miranda Campbell | 1 |

*=This limit was used in the evaluation of the final result

**Sample Description:** **P-27R-110719 Grab Groundwater**
**General Electric Schenectady Main Plant**

**Project Name:** **GE Schenectady Main Plant**

Submittal Date/Time: 11/08/2019 11:03
Collection Date/Time: 11/07/2019 10:50
SDG#: SMP17-03

**GE-O'Brien & Gere, Inc.**
**ELLE Sample #: GW 1199057**
**ELLE Group #: 2074010**
**Matrix: Groundwater**

| CAT No. | Analysis Name | CAS Number | Result | Limit of Quantitation* | Method Detection Limit | Dilution Factor |
|---|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260C 25mL purge** | | **ug/l** | **ug/l** | **ug/l** | |
| 11996 | Acetone | 67-64-1 | 1.5 J | 5.0 | 0.9 | 1 |
| 11996 | Benzene | 71-43-2 | 0.6 | 0.5 | 0.05 | 1 |
| 11996 | 2-Butanone | 78-93-3 | N.D. | 5.0 | 0.6 | 1 |
| 11996 | Chlorobenzene | 108-90-7 | 0.1 J | 0.5 | 0.06 | 1 |
| 11996 | Chloroethane | 75-00-3 | 0.2 J | 0.5 | 0.07 | 1 |
| 11996 | Cyclohexane | 110-82-7 | 0.1 J | 0.5 | 0.05 | 1 |
| 11996 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | 1,1-Dichloroethane | 75-34-3 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | 1,2-Dichloroethane | 107-06-2 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | 1,1-Dichloroethene | 75-35-4 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | cis-1,2-Dichloroethene | 156-59-2 | 0.07 J | 0.5 | 0.05 | 1 |
| 11996 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | 1,2-Dichloroethene (Total)[1] | 540-59-0 | N.D. | 1.0 | 0.1 | 1 |
| 11996 | Ethylbenzene | 100-41-4 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Isopropylbenzene | 98-82-8 | 0.07 J | 0.5 | 0.05 | 1 |
| 11996 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | 5.0 | 0.7 | 1 |
| 11996 | Methylcyclohexane | 108-87-2 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | Methylene Chloride | 75-09-2 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | Tetrachloroethene | 127-18-4 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Toluene | 108-88-3 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | 1,1,1-Trichloroethane | 71-55-6 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Trichloroethene | 79-01-6 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Vinyl Chloride | 75-01-4 | N.D. | 0.5 | 0.1 | 1 |
| 11996 | Xylene (Total) | 1330-20-7 | N.D. | 1.0 | 0.2 | 1 |

Project defined calibration criteria are not met. The calibration is compliant with the method defined criteria.

A Report Limit Verification (RLV) standard is analyzed to confirm sensitivity of the instrument for samples with non-detect analytes associated with a continuing calibration verification standard exhibiting low response (outside the 20%D criteria). The RLV standard shows adequate sensitivity at or below the reporting limit.

## Sample Comments

State of New York Certification No. 10670

[1] = This analyte was not on the laboratory's NYSDOH Scope of Accreditation at the time of analysis.

*=This limit was used in the evaluation of the final result

**Sample Description:** **P-27R-110719 Grab Groundwater**
**General Electric Schenectady Main Plant**

**Project Name:** **GE Schenectady Main Plant**

Submittal Date/Time: 11/08/2019 11:03
Collection Date/Time: 11/07/2019 10:50
SDG#: SMP17-03

**GE-O'Brien & Gere, Inc.**
**ELLE Sample #: GW 1199057**
**ELLE Group #: 2074010**
**Matrix: Groundwater**

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 11996 | VOCs 8260C | SW-846 8260C 25mL purge | 1 | G193172AA | 11/14/2019 01:14 | Miranda Campbell | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030C | 1 | G193172AA | 11/14/2019 01:13 | Miranda Campbell | 1 |

*=This limit was used in the evaluation of the final result

**Sample Description:** **DM-421I-110719 Grab Groundwater**
**General Electric Schenectady Main Plant**

**Project Name:** **GE Schenectady Main Plant**

Submittal Date/Time: 11/08/2019 11:03
Collection Date/Time: 11/07/2019 11:10
SDG#: SMP17-04

**GE-O'Brien & Gere, Inc.**
**ELLE Sample #: GW 1199058**
**ELLE Group #: 2074010**
**Matrix: Groundwater**

| CAT No. | Analysis Name | CAS Number | Result | Limit of Quantitation* | Method Detection Limit | Dilution Factor |
|---|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260C 25mL purge** | | **ug/l** | **ug/l** | **ug/l** | |
| 11996 | Acetone | 67-64-1 | 1.3 J | 5.0 | 0.9 | 1 |
| 11996 | Benzene | 71-43-2 | 0.09 J | 0.5 | 0.05 | 1 |
| 11996 | 2-Butanone | 78-93-3 | N.D. | 5.0 | 0.6 | 1 |
| 11996 | Chlorobenzene | 108-90-7 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Chloroethane | 75-00-3 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | Cyclohexane | 110-82-7 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | 1,1-Dichloroethane | 75-34-3 | 0.7 | 0.5 | 0.07 | 1 |
| 11996 | 1,2-Dichloroethane | 107-06-2 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | 1,1-Dichloroethene | 75-35-4 | 0.1 J | 0.5 | 0.06 | 1 |
| 11996 | cis-1,2-Dichloroethene | 156-59-2 | 13 | 0.5 | 0.05 | 1 |
| 11996 | trans-1,2-Dichloroethene | 156-60-5 | 1.6 | 0.5 | 0.06 | 1 |
| 11996 | 1,2-Dichloroethene (Total)[1] | 540-59-0 | 15 | 1.0 | 0.1 | 1 |
| 11996 | Ethylbenzene | 100-41-4 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Isopropylbenzene | 98-82-8 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | 5.0 | 0.7 | 1 |
| 11996 | Methylcyclohexane | 108-87-2 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | Methylene Chloride | 75-09-2 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | Tetrachloroethene | 127-18-4 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Toluene | 108-88-3 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | 1,1,1-Trichloroethane | 71-55-6 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Trichloroethene | 79-01-6 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Vinyl Chloride | 75-01-4 | 3.9 | 0.5 | 0.1 | 1 |
| 11996 | Xylene (Total) | 1330-20-7 | N.D. | 1.0 | 0.2 | 1 |

Project defined calibration criteria are not met. The calibration is compliant with the method defined criteria.

A Report Limit Verification (RLV) standard is analyzed to confirm sensitivity of the instrument for samples with non-detect analytes associated with a continuing calibration verification standard exhibiting low response (outside the 20%D criteria). The RLV standard shows adequate sensitivity at or below the reporting limit.

## Sample Comments

State of New York Certification No. 10670

[1] = This analyte was not on the laboratory's NYSDOH Scope of Accreditation at the time of analysis.

*=This limit was used in the evaluation of the final result

**Sample Description:** **DM-421I-110719 Grab Groundwater**
**General Electric Schenectady Main Plant**

**Project Name:** **GE Schenectady Main Plant**

Submittal Date/Time: 11/08/2019 11:03
Collection Date/Time: 11/07/2019 11:10
SDG#: SMP17-04

**GE-O'Brien & Gere, Inc.**
**ELLE Sample #: GW 1199058**
**ELLE Group #: 2074010**
**Matrix: Groundwater**

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 11996 | VOCs 8260C | SW-846 8260C 25mL purge | 1 | G193172AA | 11/14/2019 01:36 | Miranda Campbell | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030C | 1 | G193172AA | 11/14/2019 01:35 | Miranda Campbell | 1 |

*=This limit was used in the evaluation of the final result

**Sample Description:** **DM-421D-110719 Grab Groundwater**
**General Electric Schenectady Main Plant**

**Project Name:** **GE Schenectady Main Plant**

Submittal Date/Time: 11/08/2019 11:03
Collection Date/Time: 11/07/2019 11:15
SDG#: SMP17-05

**GE-O'Brien & Gere, Inc.**
**ELLE Sample #: GW 1199059**
**ELLE Group #: 2074010**
**Matrix: Groundwater**

| CAT No. | Analysis Name | CAS Number | Result | Limit of Quantitation* | Method Detection Limit | Dilution Factor |
|---|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260C 25mL purge** | | **ug/l** | **ug/l** | **ug/l** | |
| 11996 | Acetone | 67-64-1 | N.D. | 10 | 1.8 | 2 |
| 11996 | Benzene | 71-43-2 | N.D. | 1.0 | 0.1 | 2 |
| 11996 | 2-Butanone | 78-93-3 | N.D. | 10 | 1.2 | 2 |
| 11996 | Chlorobenzene | 108-90-7 | N.D. | 1.0 | 0.1 | 2 |
| 11996 | Chloroethane | 75-00-3 | N.D. | 1.0 | 0.1 | 2 |
| 11996 | Cyclohexane | 110-82-7 | N.D. | 1.0 | 0.1 | 2 |
| 11996 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | 1.0 | 0.1 | 2 |
| 11996 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | 1.0 | 0.1 | 2 |
| 11996 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | 1.0 | 0.1 | 2 |
| 11996 | 1,1-Dichloroethane | 75-34-3 | 3.0 | 1.0 | 0.1 | 2 |
| 11996 | 1,2-Dichloroethane | 107-06-2 | N.D. | 1.0 | 0.1 | 2 |
| 11996 | 1,1-Dichloroethene | 75-35-4 | 2.4 | 1.0 | 0.1 | 2 |
| 11996 | cis-1,2-Dichloroethene | 156-59-2 | 180 | 10 | 1.0 | 20 |
| 11996 | trans-1,2-Dichloroethene | 156-60-5 | 2.8 | 1.0 | 0.1 | 2 |
| 11996 | 1,2-Dichloroethene (Total)[1] | 540-59-0 | 180 | 20 | 2.2 | 20 |
| 11996 | Ethylbenzene | 100-41-4 | N.D. | 1.0 | 0.1 | 2 |
| 11996 | Isopropylbenzene | 98-82-8 | N.D. | 1.0 | 0.1 | 2 |
| 11996 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | 10 | 1.4 | 2 |
| 11996 | Methylcyclohexane | 108-87-2 | N.D. | 1.0 | 0.1 | 2 |
| 11996 | Methylene Chloride | 75-09-2 | N.D. | 1.0 | 0.1 | 2 |
| 11996 | Tetrachloroethene | 127-18-4 | N.D. | 1.0 | 0.1 | 2 |
| 11996 | Toluene | 108-88-3 | N.D. | 1.0 | 0.1 | 2 |
| 11996 | 1,1,1-Trichloroethane | 71-55-6 | N.D. | 1.0 | 0.1 | 2 |
| 11996 | Trichloroethene | 79-01-6 | N.D. | 1.0 | 0.1 | 2 |
| 11996 | Vinyl Chloride | 75-01-4 | 1.7 | 1.0 | 0.2 | 2 |
| 11996 | Xylene (Total) | 1330-20-7 | N.D. | 2.0 | 0.3 | 2 |

Project defined calibration criteria are not met. The calibration is compliant with the method defined criteria.

A Report Limit Verification (RLV) standard is analyzed to confirm sensitivity of the instrument for samples with non-detect analytes associated with a continuing calibration verification standard exhibiting low response (outside the 20%D criteria). The RLV standard shows adequate sensitivity at or below the reporting limit.

## Sample Comments

State of New York Certification No. 10670

[1] = This analyte was not on the laboratory's NYSDOH Scope of Accreditation at the time of analysis.

*=This limit was used in the evaluation of the final result

**Sample Description:** **DM-421D-110719 Grab Groundwater**
**General Electric Schenectady Main Plant**

**Project Name:** **GE Schenectady Main Plant**

Submittal Date/Time: 11/08/2019 11:03
Collection Date/Time: 11/07/2019 11:15
SDG#: SMP17-05

**GE-O'Brien & Gere, Inc.**
**ELLE Sample #: GW 1199059**
**ELLE Group #: 2074010**
**Matrix: Groundwater**

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 11996 | VOCs 8260C | SW-846 8260C 25mL purge | 1 | G193172AA | 11/14/2019 06:01 | Miranda Campbell | 2 |
| 11996 | VOCs 8260C | SW-846 8260C 25mL purge | 1 | G193172AA | 11/14/2019 06:23 | Miranda Campbell | 20 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030C | 1 | G193172AA | 11/14/2019 06:00 | Miranda Campbell | 2 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030C | 2 | G193172AA | 11/14/2019 06:22 | Miranda Campbell | 20 |

*=This limit was used in the evaluation of the final result

**Sample Description:** **DM-421FP-110719 Grab Groundwater**
**General Electric Schenectady Main Plant**

**Project Name:** **GE Schenectady Main Plant**

Submittal Date/Time: 11/08/2019 11:03
Collection Date/Time: 11/07/2019 11:20
SDG#: SMP17-06

**GE-O'Brien & Gere, Inc.**
**ELLE Sample #: GW 1199060**
**ELLE Group #: 2074010**
**Matrix: Groundwater**

| CAT No. | Analysis Name | CAS Number | Result | Limit of Quantitation* | Method Detection Limit | Dilution Factor |
|---|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260C 25mL purge** | | **ug/l** | **ug/l** | **ug/l** | |
| 11996 | Acetone | 67-64-1 | 1.3 J | 5.0 | 0.9 | 1 |
| 11996 | Benzene | 71-43-2 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | 2-Butanone | 78-93-3 | N.D. | 5.0 | 0.6 | 1 |
| 11996 | Chlorobenzene | 108-90-7 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Chloroethane | 75-00-3 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | Cyclohexane | 110-82-7 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | 1,1-Dichloroethane | 75-34-3 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | 1,2-Dichloroethane | 107-06-2 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | 1,1-Dichloroethene | 75-35-4 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | cis-1,2-Dichloroethene | 156-59-2 | 0.2 J | 0.5 | 0.05 | 1 |
| 11996 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | 1,2-Dichloroethene (Total)[1] | 540-59-0 | 0.2 J | 1.0 | 0.1 | 1 |
| 11996 | Ethylbenzene | 100-41-4 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Isopropylbenzene | 98-82-8 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | 5.0 | 0.7 | 1 |
| 11996 | Methylcyclohexane | 108-87-2 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | Methylene Chloride | 75-09-2 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | Tetrachloroethene | 127-18-4 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Toluene | 108-88-3 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | 1,1,1-Trichloroethane | 71-55-6 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Trichloroethene | 79-01-6 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Vinyl Chloride | 75-01-4 | N.D. | 0.5 | 0.1 | 1 |
| 11996 | Xylene (Total) | 1330-20-7 | N.D. | 1.0 | 0.2 | 1 |

Project defined calibration criteria are not met. The calibration is compliant with the method defined criteria.

A Report Limit Verification (RLV) standard is analyzed to confirm sensitivity of the instrument for samples with non-detect analytes associated with a continuing calibration verification standard exhibiting low response (outside the 20%D criteria). The RLV standard shows adequate sensitivity at or below the reporting limit.

## Sample Comments

State of New York Certification No. 10670

[1] = This analyte was not on the laboratory's NYSDOH Scope of Accreditation at the time of analysis.

*=This limit was used in the evaluation of the final result

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**Sample Description:** **DM-421FP-110719 Grab Groundwater**
**General Electric Schenectady Main Plant**

**Project Name:** **GE Schenectady Main Plant**

Submittal Date/Time: 11/08/2019 11:03
Collection Date/Time: 11/07/2019 11:20
SDG#: SMP17-06

**GE-O'Brien & Gere, Inc.**
**ELLE Sample #: GW 1199060**
**ELLE Group #: 2074010**
**Matrix: Groundwater**

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 11996 | VOCs 8260C | SW-846 8260C 25mL purge | 1 | G193172AA | 11/14/2019 01:58 | Miranda Campbell | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030C | 1 | G193172AA | 11/14/2019 01:57 | Miranda Campbell | 1 |

*=This limit was used in the evaluation of the final result

**Sample Description:** **DM-432I-110719 Grab Groundwater**
**General Electric Schenectady Main Plant**

**Project Name:** **GE Schenectady Main Plant**

Submittal Date/Time: 11/08/2019 11:03
Collection Date/Time: 11/07/2019 11:30
SDG#: SMP17-07

**GE-O'Brien & Gere, Inc.**
**ELLE Sample #: GW 1199061**
**ELLE Group #: 2074010**
**Matrix: Groundwater**

| CAT No. | Analysis Name | CAS Number | Result | Limit of Quantitation* | Method Detection Limit | Dilution Factor |
|---|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260C 25mL purge** | | **ug/l** | **ug/l** | **ug/l** | |
| 11996 | Acetone | 67-64-1 | 1.1 J | 5.0 | 0.9 | 1 |
| 11996 | Benzene | 71-43-2 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | 2-Butanone | 78-93-3 | N.D. | 5.0 | 0.6 | 1 |
| 11996 | Chlorobenzene | 108-90-7 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Chloroethane | 75-00-3 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | Cyclohexane | 110-82-7 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | 1,1-Dichloroethane | 75-34-3 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | 1,2-Dichloroethane | 107-06-2 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | 1,1-Dichloroethene | 75-35-4 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | 1,2-Dichloroethene (Total)[1] | 540-59-0 | N.D. | 1.0 | 0.1 | 1 |
| 11996 | Ethylbenzene | 100-41-4 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Isopropylbenzene | 98-82-8 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | 5.0 | 0.7 | 1 |
| 11996 | Methylcyclohexane | 108-87-2 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | Methylene Chloride | 75-09-2 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | Tetrachloroethene | 127-18-4 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Toluene | 108-88-3 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | 1,1,1-Trichloroethane | 71-55-6 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Trichloroethene | 79-01-6 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Vinyl Chloride | 75-01-4 | 7.4 | 0.5 | 0.1 | 1 |
| 11996 | Xylene (Total) | 1330-20-7 | N.D. | 1.0 | 0.2 | 1 |

Project defined calibration criteria are not met. The calibration is compliant with the method defined criteria.

A Report Limit Verification (RLV) standard is analyzed to confirm sensitivity of the instrument for samples with non-detect analytes associated with a continuing calibration verification standard exhibiting low response (outside the 20%D criteria). The RLV standard shows adequate sensitivity at or below the reporting limit.

## Sample Comments

State of New York Certification No. 10670

[1] = This analyte was not on the laboratory's NYSDOH Scope of Accreditation at the time of analysis.

*=This limit was used in the evaluation of the final result

**Sample Description:** **DM-432I-110719 Grab Groundwater**
**General Electric Schenectady Main Plant**

**Project Name:** **GE Schenectady Main Plant**

Submittal Date/Time: 11/08/2019 11:03
Collection Date/Time: 11/07/2019 11:30
SDG#: SMP17-07

**GE-O'Brien & Gere, Inc.**
**ELLE Sample #: GW 1199061**
**ELLE Group #: 2074010**
**Matrix: Groundwater**

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 11996 | VOCs 8260C | SW-846 8260C 25mL purge | 1 | G193172AA | 11/14/2019 06:45 | Miranda Campbell | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030C | 1 | G193172AA | 11/14/2019 06:44 | Miranda Campbell | 1 |

*=This limit was used in the evaluation of the final result

**Sample Description:** **DM-432D-110719 Grab Groundwater**
**General Electric Schenectady Main Plant**

**Project Name:** **GE Schenectady Main Plant**

Submittal Date/Time: 11/08/2019 11:03
Collection Date/Time: 11/07/2019 11:35
SDG#: SMP17-08

**GE-O'Brien & Gere, Inc.**
**ELLE Sample #: GW 1199062**
**ELLE Group #: 2074010**
**Matrix: Groundwater**

| CAT No. | Analysis Name | CAS Number | Result | Limit of Quantitation* | Method Detection Limit | Dilution Factor |
|---|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260C 25mL purge** | | **ug/l** | **ug/l** | **ug/l** | |
| 11996 | Acetone | 67-64-1 | 3.5 J | 5.0 | 0.9 | 1 |
| 11996 | Benzene | 71-43-2 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | 2-Butanone | 78-93-3 | N.D. | 5.0 | 0.6 | 1 |
| 11996 | Chlorobenzene | 108-90-7 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Chloroethane | 75-00-3 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | Cyclohexane | 110-82-7 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | 1,1-Dichloroethane | 75-34-3 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | 1,2-Dichloroethane | 107-06-2 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | 1,1-Dichloroethene | 75-35-4 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | 1,2-Dichloroethene (Total)[1] | 540-59-0 | N.D. | 1.0 | 0.1 | 1 |
| 11996 | Ethylbenzene | 100-41-4 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Isopropylbenzene | 98-82-8 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | 5.0 | 0.7 | 1 |
| 11996 | Methylcyclohexane | 108-87-2 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | Methylene Chloride | 75-09-2 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | Tetrachloroethene | 127-18-4 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Toluene | 108-88-3 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | 1,1,1-Trichloroethane | 71-55-6 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Trichloroethene | 79-01-6 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Vinyl Chloride | 75-01-4 | 140 | 5.0 | 1.0 | 10 |
| 11996 | Xylene (Total) | 1330-20-7 | N.D. | 1.0 | 0.2 | 1 |

Project defined calibration criteria are not met. The calibration is compliant with the method defined criteria.

A Report Limit Verification (RLV) standard is analyzed to confirm sensitivity of the instrument for samples with non-detect analytes associated with a continuing calibration verification standard exhibiting low response (outside the 20%D criteria). The RLV standard shows adequate sensitivity at or below the reporting limit.

## Sample Comments

State of New York Certification No. 10670

[1] = This analyte was not on the laboratory's NYSDOH Scope of Accreditation at the time of analysis.

*=This limit was used in the evaluation of the final result

**Sample Description:** **DM-432D-110719 Grab Groundwater**
**General Electric Schenectady Main Plant**

**Project Name:** **GE Schenectady Main Plant**

Submittal Date/Time: 11/08/2019 11:03
Collection Date/Time: 11/07/2019 11:35
SDG#: SMP17-08

**GE-O'Brien & Gere, Inc.**
**ELLE Sample #: GW 1199062**
**ELLE Group #: 2074010**
**Matrix: Groundwater**

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 11996 | VOCs 8260C | SW-846 8260C 25mL purge | 1 | G193172AA | 11/14/2019 07:30 | Miranda Campbell | 1 |
| 11996 | VOCs 8260C | SW-846 8260C 25mL purge | 1 | G193172AA | 11/14/2019 07:52 | Miranda Campbell | 10 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030C | 1 | G193172AA | 11/14/2019 07:29 | Miranda Campbell | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030C | 2 | G193172AA | 11/14/2019 07:51 | Miranda Campbell | 10 |

*=This limit was used in the evaluation of the final result

**Sample Description:** **DM-432CF-110719 Grab Groundwater**
**General Electric Schenectady Main Plant**

**Project Name:** **GE Schenectady Main Plant**

Submittal Date/Time: 11/08/2019 11:03
Collection Date/Time: 11/07/2019 11:40
SDG#: SMP17-09

**GE-O'Brien & Gere, Inc.**
**ELLE Sample #: GW 1199063**
**ELLE Group #: 2074010**
**Matrix: Groundwater**

| CAT No. | Analysis Name | CAS Number | Result | Limit of Quantitation* | Method Detection Limit | Dilution Factor |
|---|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260C 25mL purge** | | **ug/l** | **ug/l** | **ug/l** | |
| 11996 | Acetone | 67-64-1 | 1.3 J | 5.0 | 0.9 | 1 |
| 11996 | Benzene | 71-43-2 | 0.2 J | 0.5 | 0.05 | 1 |
| 11996 | 2-Butanone | 78-93-3 | N.D. | 5.0 | 0.6 | 1 |
| 11996 | Chlorobenzene | 108-90-7 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Chloroethane | 75-00-3 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | Cyclohexane | 110-82-7 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | 1,1-Dichloroethane | 75-34-3 | 2.1 | 0.5 | 0.07 | 1 |
| 11996 | 1,2-Dichloroethane | 107-06-2 | 0.2 J | 0.5 | 0.05 | 1 |
| 11996 | 1,1-Dichloroethene | 75-35-4 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | cis-1,2-Dichloroethene | 156-59-2 | 4.8 | 0.5 | 0.05 | 1 |
| 11996 | trans-1,2-Dichloroethene | 156-60-5 | 0.06 J | 0.5 | 0.06 | 1 |
| 11996 | 1,2-Dichloroethene (Total)[1] | 540-59-0 | 4.9 | 1.0 | 0.1 | 1 |
| 11996 | Ethylbenzene | 100-41-4 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Isopropylbenzene | 98-82-8 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | 5.0 | 0.7 | 1 |
| 11996 | Methylcyclohexane | 108-87-2 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | Methylene Chloride | 75-09-2 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | Tetrachloroethene | 127-18-4 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Toluene | 108-88-3 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | 1,1,1-Trichloroethane | 71-55-6 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Trichloroethene | 79-01-6 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Vinyl Chloride | 75-01-4 | 27 | 5.0 | 1.0 | 10 |
| 11996 | Xylene (Total) | 1330-20-7 | N.D. | 1.0 | 0.2 | 1 |

## Sample Comments

State of New York Certification No. 10670

[1] = This analyte was not on the laboratory's NYSDOH Scope of Accreditation at the time of analysis.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 11996 | VOCs 8260C | SW-846 8260C 25mL purge | 1 | G193172AA | 11/14/2019 02:20 | Miranda Campbell | 1 |
| 11996 | VOCs 8260C | SW-846 8260C 25mL purge | 1 | I193222AA | 11/18/2019 22:24 | Miranda Campbell | 10 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030C | 1 | G193172AA | 11/14/2019 02:19 | Miranda Campbell | 1 |

*=This limit was used in the evaluation of the final result

**Sample Description:** **DM-432CF-110719 Grab Groundwater**
**General Electric Schenectady Main Plant**

**Project Name:** **GE Schenectady Main Plant**

Submittal Date/Time: 11/08/2019 11:03
Collection Date/Time: 11/07/2019 11:40
SDG#: SMP17-09

**GE-O'Brien & Gere, Inc.**
**ELLE Sample #: GW 1199063**
**ELLE Group #: 2074010**
**Matrix: Groundwater**

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 01163 | GC/MS VOA Water Prep | SW-846 5030C | 2 | I193222AA | 11/18/2019 22:23 | Miranda Campbell | 10 |

*=This limit was used in the evaluation of the final result

**Sample Description:** **DM-437I-110719 Grab Groundwater**
**General Electric Schenectady Main Plant**

**Project Name:** **GE Schenectady Main Plant**

Submittal Date/Time: 11/08/2019 11:03
Collection Date/Time: 11/07/2019 13:00
SDG#: SMP17-10

**GE-O'Brien & Gere, Inc.**
**ELLE Sample #: GW 1199064**
**ELLE Group #: 2074010**
**Matrix: Groundwater**

| CAT No. | Analysis Name | CAS Number | Result | Limit of Quantitation* | Method Detection Limit | Dilution Factor |
|---|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260C 25mL purge** | | **ug/l** | **ug/l** | **ug/l** | |
| 11996 | Acetone | 67-64-1 | 1.3 J | 5.0 | 0.9 | 1 |
| 11996 | Benzene | 71-43-2 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | 2-Butanone | 78-93-3 | N.D. | 5.0 | 0.6 | 1 |
| 11996 | Chlorobenzene | 108-90-7 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Chloroethane | 75-00-3 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | Cyclohexane | 110-82-7 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | 1,1-Dichloroethane | 75-34-3 | 0.2 J | 0.5 | 0.07 | 1 |
| 11996 | 1,2-Dichloroethane | 107-06-2 | 0.06 J | 0.5 | 0.05 | 1 |
| 11996 | 1,1-Dichloroethene | 75-35-4 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | cis-1,2-Dichloroethene | 156-59-2 | 3.4 | 0.5 | 0.05 | 1 |
| 11996 | trans-1,2-Dichloroethene | 156-60-5 | 0.2 J | 0.5 | 0.06 | 1 |
| 11996 | 1,2-Dichloroethene (Total)[1] | 540-59-0 | 3.6 | 1.0 | 0.1 | 1 |
| 11996 | Ethylbenzene | 100-41-4 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Isopropylbenzene | 98-82-8 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | 5.0 | 0.7 | 1 |
| 11996 | Methylcyclohexane | 108-87-2 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | Methylene Chloride | 75-09-2 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | Tetrachloroethene | 127-18-4 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Toluene | 108-88-3 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | 1,1,1-Trichloroethane | 71-55-6 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Trichloroethene | 79-01-6 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Vinyl Chloride | 75-01-4 | 6.0 | 0.5 | 0.1 | 1 |
| 11996 | Xylene (Total) | 1330-20-7 | N.D. | 1.0 | 0.2 | 1 |

Project defined calibration criteria are not met. The calibration is compliant with the method defined criteria.

A Report Limit Verification (RLV) standard is analyzed to confirm sensitivity of the instrument for samples with non-detect analytes associated with a continuing calibration verification standard exhibiting low response (outside the 20%D criteria). The RLV standard shows adequate sensitivity at or below the reporting limit.

## Sample Comments

State of New York Certification No. 10670

[1] = This analyte was not on the laboratory's NYSDOH Scope of Accreditation at the time of analysis.

*=This limit was used in the evaluation of the final result

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**Sample Description:** **DM-437I-110719 Grab Groundwater**
**General Electric Schenectady Main Plant**

**Project Name:** **GE Schenectady Main Plant**

Submittal Date/Time: 11/08/2019 11:03
Collection Date/Time: 11/07/2019 13:00
SDG#: SMP17-10

**GE-O'Brien & Gere, Inc.**
**ELLE Sample #: GW 1199064**
**ELLE Group #: 2074010**
**Matrix: Groundwater**

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 11996 | VOCs 8260C | SW-846 8260C 25mL purge | 1 | G193172AA | 11/14/2019 02:43 | Miranda Campbell | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030C | 1 | G193172AA | 11/14/2019 02:42 | Miranda Campbell | 1 |

*=This limit was used in the evaluation of the final result

**Sample Description:** **DM-437D-110719 Grab Groundwater**
**General Electric Schenectady Main Plant**

**Project Name:** **GE Schenectady Main Plant**

Submittal Date/Time: 11/08/2019 11:03
Collection Date/Time: 11/07/2019 13:05
SDG#: SMP17-11

**GE-O'Brien & Gere, Inc.**
**ELLE Sample #: GW 1199065**
**ELLE Group #: 2074010**
**Matrix: Groundwater**

| CAT No. | Analysis Name | CAS Number | Result | Limit of Quantitation* | Method Detection Limit | Dilution Factor |
|---|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260C 25mL purge** | | **ug/l** | **ug/l** | **ug/l** | |
| 11996 | Acetone | 67-64-1 | 1.3 J | 5.0 | 0.9 | 1 |
| 11996 | Benzene | 71-43-2 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | 2-Butanone | 78-93-3 | N.D. | 5.0 | 0.6 | 1 |
| 11996 | Chlorobenzene | 108-90-7 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Chloroethane | 75-00-3 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | Cyclohexane | 110-82-7 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | 1,1-Dichloroethane | 75-34-3 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | 1,2-Dichloroethane | 107-06-2 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | 1,1-Dichloroethene | 75-35-4 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | cis-1,2-Dichloroethene | 156-59-2 | 0.3 J | 0.5 | 0.05 | 1 |
| 11996 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | 1,2-Dichloroethene (Total)[1] | 540-59-0 | 0.3 J | 1.0 | 0.1 | 1 |
| 11996 | Ethylbenzene | 100-41-4 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Isopropylbenzene | 98-82-8 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | 5.0 | 0.7 | 1 |
| 11996 | Methylcyclohexane | 108-87-2 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | Methylene Chloride | 75-09-2 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | Tetrachloroethene | 127-18-4 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Toluene | 108-88-3 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | 1,1,1-Trichloroethane | 71-55-6 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Trichloroethene | 79-01-6 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Vinyl Chloride | 75-01-4 | 1.6 | 0.5 | 0.1 | 1 |
| 11996 | Xylene (Total) | 1330-20-7 | N.D. | 1.0 | 0.2 | 1 |

Project defined calibration criteria are not met. The calibration is compliant with the method defined criteria.

A Report Limit Verification (RLV) standard is analyzed to confirm sensitivity of the instrument for samples with non-detect analytes associated with a continuing calibration verification standard exhibiting low response (outside the 20%D criteria). The RLV standard shows adequate sensitivity at or below the reporting limit.

## Sample Comments

State of New York Certification No. 10670

[1] = This analyte was not on the laboratory's NYSDOH Scope of Accreditation at the time of analysis.

*=This limit was used in the evaluation of the final result

**Sample Description:** **DM-437D-110719 Grab Groundwater**
**General Electric Schenectady Main Plant**

**Project Name:** **GE Schenectady Main Plant**

Submittal Date/Time: 11/08/2019 11:03
Collection Date/Time: 11/07/2019 13:05
SDG#: SMP17-11

**GE-O'Brien & Gere, Inc.**
**ELLE Sample #: GW 1199065**
**ELLE Group #: 2074010**
**Matrix: Groundwater**

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 11996 | VOCs 8260C | SW-846 8260C 25mL purge | 1 | G193172AA | 11/14/2019 03:05 | Miranda Campbell | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030C | 1 | G193172AA | 11/14/2019 03:04 | Miranda Campbell | 1 |

*=This limit was used in the evaluation of the final result

**Sample Description:** **DM-438I-110719 Grab Groundwater**
**General Electric Schenectady Main Plant**

**Project Name:** **GE Schenectady Main Plant**

Submittal Date/Time: 11/08/2019 11:03
Collection Date/Time: 11/07/2019 13:10
SDG#: SMP17-12

**GE-O'Brien & Gere, Inc.**
**ELLE Sample #: GW 1199066**
**ELLE Group #: 2074010**
**Matrix: Groundwater**

| CAT No. | Analysis Name | CAS Number | Result | Limit of Quantitation* | Method Detection Limit | Dilution Factor |
|---|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260C 25mL purge** | | **ug/l** | **ug/l** | **ug/l** | |
| 11996 | Acetone | 67-64-1 | 1.0 J | 5.0 | 0.9 | 1 |
| 11996 | Benzene | 71-43-2 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | 2-Butanone | 78-93-3 | N.D. | 5.0 | 0.6 | 1 |
| 11996 | Chlorobenzene | 108-90-7 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Chloroethane | 75-00-3 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | Cyclohexane | 110-82-7 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | 1,1-Dichloroethane | 75-34-3 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | 1,2-Dichloroethane | 107-06-2 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | 1,1-Dichloroethene | 75-35-4 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | cis-1,2-Dichloroethene | 156-59-2 | 0.8 | 0.5 | 0.05 | 1 |
| 11996 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | 1,2-Dichloroethene (Total)[1] | 540-59-0 | 0.8 J | 1.0 | 0.1 | 1 |
| 11996 | Ethylbenzene | 100-41-4 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Isopropylbenzene | 98-82-8 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | 5.0 | 0.7 | 1 |
| 11996 | Methylcyclohexane | 108-87-2 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | Methylene Chloride | 75-09-2 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | Tetrachloroethene | 127-18-4 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Toluene | 108-88-3 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | 1,1,1-Trichloroethane | 71-55-6 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Trichloroethene | 79-01-6 | 0.5 | 0.5 | 0.06 | 1 |
| 11996 | Vinyl Chloride | 75-01-4 | 21 | 0.5 | 0.1 | 1 |
| 11996 | Xylene (Total) | 1330-20-7 | N.D. | 1.0 | 0.2 | 1 |

## Sample Comments

State of New York Certification No. 10670

[1] = This analyte was not on the laboratory's NYSDOH Scope of Accreditation at the time of analysis.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 11996 | VOCs 8260C | SW-846 8260C 25mL purge | 1 | G193172AA | 11/14/2019 03:27 | Miranda Campbell | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030C | 1 | G193172AA | 11/14/2019 03:26 | Miranda Campbell | 1 |

*=This limit was used in the evaluation of the final result

**Sample Description:** **DM-438D-110719 Grab Groundwater**
**General Electric Schenectady Main Plant**

**Project Name:** **GE Schenectady Main Plant**

Submittal Date/Time: 11/08/2019 11:03
Collection Date/Time: 11/07/2019 13:15
SDG#: SMP17-13

**GE-O'Brien & Gere, Inc.**
**ELLE Sample #: GW 1199067**
**ELLE Group #: 2074010**
**Matrix: Groundwater**

| CAT No. | Analysis Name | CAS Number | Result | Limit of Quantitation* | Method Detection Limit | Dilution Factor |
|---|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260C 25mL purge** | | **ug/l** | **ug/l** | **ug/l** | |
| 11996 | Acetone | 67-64-1 | 1.0 J | 5.0 | 0.9 | 1 |
| 11996 | Benzene | 71-43-2 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | 2-Butanone | 78-93-3 | N.D. | 5.0 | 0.6 | 1 |
| 11996 | Chlorobenzene | 108-90-7 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Chloroethane | 75-00-3 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | Cyclohexane | 110-82-7 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | 1,1-Dichloroethane | 75-34-3 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | 1,2-Dichloroethane | 107-06-2 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | 1,1-Dichloroethene | 75-35-4 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | 1,2-Dichloroethene (Total)[1] | 540-59-0 | N.D. | 1.0 | 0.1 | 1 |
| 11996 | Ethylbenzene | 100-41-4 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Isopropylbenzene | 98-82-8 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | 5.0 | 0.7 | 1 |
| 11996 | Methylcyclohexane | 108-87-2 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | Methylene Chloride | 75-09-2 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | Tetrachloroethene | 127-18-4 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Toluene | 108-88-3 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | 1,1,1-Trichloroethane | 71-55-6 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Trichloroethene | 79-01-6 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Vinyl Chloride | 75-01-4 | N.D. | 0.5 | 0.1 | 1 |
| 11996 | Xylene (Total) | 1330-20-7 | N.D. | 1.0 | 0.2 | 1 |

Project defined calibration criteria are not met. The calibration is compliant with the method defined criteria.

A Report Limit Verification (RLV) standard is analyzed to confirm sensitivity of the instrument for samples with non-detect analytes associated with a continuing calibration verification standard exhibiting low response (outside the 20%D criteria). The RLV standard shows adequate sensitivity at or below the reporting limit.

## Sample Comments

State of New York Certification No. 10670

[1] = This analyte was not on the laboratory's NYSDOH Scope of Accreditation at the time of analysis.

*=This limit was used in the evaluation of the final result

**Sample Description:** **DM-438D-110719 Grab Groundwater**
**General Electric Schenectady Main Plant**

**Project Name:** **GE Schenectady Main Plant**

Submittal Date/Time: 11/08/2019 11:03
Collection Date/Time: 11/07/2019 13:15
SDG#: SMP17-13

**GE-O'Brien & Gere, Inc.**
**ELLE Sample #: GW 1199067**
**ELLE Group #: 2074010**
**Matrix: Groundwater**

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 11996 | VOCs 8260C | SW-846 8260C 25mL purge | 1 | G193172AA | 11/14/2019 03:49 | Miranda Campbell | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030C | 1 | G193172AA | 11/14/2019 03:48 | Miranda Campbell | 1 |

*=This limit was used in the evaluation of the final result

**Sample Description:** **DM-436D-110719 Grab Groundwater**
**General Electric Schenectady Main Plant**

**Project Name:** **GE Schenectady Main Plant**

Submittal Date/Time: 11/08/2019 11:03
Collection Date/Time: 11/07/2019 14:10
SDG#: SMP17-14

**GE-O'Brien & Gere, Inc.**
**ELLE Sample #: GW 1199068**
**ELLE Group #: 2074010**
**Matrix: Groundwater**

| CAT No. | Analysis Name | CAS Number | Result | Limit of Quantitation* | Method Detection Limit | Dilution Factor |
|---|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260C 25mL purge** | | **ug/l** | **ug/l** | **ug/l** | |
| 11996 | Acetone | 67-64-1 | 1.5 J | 5.0 | 0.9 | 1 |
| 11996 | Benzene | 71-43-2 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | 2-Butanone | 78-93-3 | N.D. | 5.0 | 0.6 | 1 |
| 11996 | Chlorobenzene | 108-90-7 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Chloroethane | 75-00-3 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | Cyclohexane | 110-82-7 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | 1,1-Dichloroethane | 75-34-3 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | 1,2-Dichloroethane | 107-06-2 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | 1,1-Dichloroethene | 75-35-4 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | cis-1,2-Dichloroethene | 156-59-2 | 0.6 | 0.5 | 0.05 | 1 |
| 11996 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | 1,2-Dichloroethene (Total)[1] | 540-59-0 | 0.6 J | 1.0 | 0.1 | 1 |
| 11996 | Ethylbenzene | 100-41-4 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Isopropylbenzene | 98-82-8 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | 5.0 | 0.7 | 1 |
| 11996 | Methylcyclohexane | 108-87-2 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | Methylene Chloride | 75-09-2 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | Tetrachloroethene | 127-18-4 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Toluene | 108-88-3 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | 1,1,1-Trichloroethane | 71-55-6 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Trichloroethene | 79-01-6 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Vinyl Chloride | 75-01-4 | 91 | 5.0 | 1.0 | 10 |
| 11996 | Xylene (Total) | 1330-20-7 | N.D. | 1.0 | 0.2 | 1 |

## Sample Comments

State of New York Certification No. 10670

[1] = This analyte was not on the laboratory's NYSDOH Scope of Accreditation at the time of analysis.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 11996 | VOCs 8260C | SW-846 8260C 25mL purge | 1 | I193222AA | 11/18/2019 23:28 | Miranda Campbell | 1 |
| 11996 | VOCs 8260C | SW-846 8260C 25mL purge | 1 | I193222AA | 11/18/2019 23:49 | Miranda Campbell | 10 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030C | 1 | I193222AA | 11/18/2019 23:27 | Miranda Campbell | 1 |

*=This limit was used in the evaluation of the final result

**Sample Description:** **DM-436D-110719 Grab Groundwater**
**General Electric Schenectady Main Plant**

**Project Name:** **GE Schenectady Main Plant**

Submittal Date/Time: 11/08/2019 11:03
Collection Date/Time: 11/07/2019 14:10
SDG#: SMP17-14

**GE-O'Brien & Gere, Inc.**
**ELLE Sample #: GW 1199068**
**ELLE Group #: 2074010**
**Matrix: Groundwater**

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 01163 | GC/MS VOA Water Prep | SW-846 5030C | 2 | I193222AA | 11/18/2019 23:48 | Miranda Campbell | 10 |

*=This limit was used in the evaluation of the final result

**Sample Description:** **DM-413F-110719 Grab Groundwater**
**General Electric Schenectady Main Plant**

**Project Name:** **GE Schenectady Main Plant**

Submittal Date/Time: 11/08/2019 11:03
Collection Date/Time: 11/07/2019 14:25
SDG#: SMP17-15

**GE-O'Brien & Gere, Inc.**
**ELLE Sample #: GW 1199069**
**ELLE Group #: 2074010**
**Matrix: Groundwater**

| CAT No. | Analysis Name | CAS Number | Result | Limit of Quantitation* | Method Detection Limit | Dilution Factor |
|---|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260C 25mL purge** | | **ug/l** | **ug/l** | **ug/l** | |
| 11996 | Acetone | 67-64-1 | 1.5 J | 5.0 | 0.9 | 1 |
| 11996 | Benzene | 71-43-2 | 0.3 J | 0.5 | 0.05 | 1 |
| 11996 | 2-Butanone | 78-93-3 | N.D. | 5.0 | 0.6 | 1 |
| 11996 | Chlorobenzene | 108-90-7 | 8.5 | 0.5 | 0.06 | 1 |
| 11996 | Chloroethane | 75-00-3 | 1.3 | 0.5 | 0.07 | 1 |
| 11996 | Cyclohexane | 110-82-7 | 0.2 J | 0.5 | 0.05 | 1 |
| 11996 | 1,2-Dichlorobenzene | 95-50-1 | 0.6 | 0.5 | 0.06 | 1 |
| 11996 | 1,3-Dichlorobenzene | 541-73-1 | 0.5 | 0.5 | 0.06 | 1 |
| 11996 | 1,4-Dichlorobenzene | 106-46-7 | 2.1 | 0.5 | 0.07 | 1 |
| 11996 | 1,1-Dichloroethane | 75-34-3 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | 1,2-Dichloroethane | 107-06-2 | 0.07 J | 0.5 | 0.05 | 1 |
| 11996 | 1,1-Dichloroethene | 75-35-4 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | cis-1,2-Dichloroethene | 156-59-2 | 0.08 J | 0.5 | 0.05 | 1 |
| 11996 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | 1,2-Dichloroethene (Total)[1] | 540-59-0 | N.D. | 1.0 | 0.1 | 1 |
| 11996 | Ethylbenzene | 100-41-4 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Isopropylbenzene | 98-82-8 | 0.9 | 0.5 | 0.05 | 1 |
| 11996 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | 5.0 | 0.7 | 1 |
| 11996 | Methylcyclohexane | 108-87-2 | 0.1 J | 0.5 | 0.05 | 1 |
| 11996 | Methylene Chloride | 75-09-2 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | Tetrachloroethene | 127-18-4 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Toluene | 108-88-3 | 0.1 J | 0.5 | 0.07 | 1 |
| 11996 | 1,1,1-Trichloroethane | 71-55-6 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Trichloroethene | 79-01-6 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Vinyl Chloride | 75-01-4 | 0.1 J | 0.5 | 0.1 | 1 |
| 11996 | Xylene (Total) | 1330-20-7 | 0.3 J | 1.0 | 0.2 | 1 |

Project defined calibration criteria are not met. The calibration is compliant with the method defined criteria.

A Report Limit Verification (RLV) standard is analyzed to confirm sensitivity of the instrument for samples with non-detect analytes associated with a continuing calibration verification standard exhibiting low response (outside the 20%D criteria). The RLV standard shows adequate sensitivity at or below the reporting limit.

## Sample Comments

State of New York Certification No. 10670

[1] = This analyte was not on the laboratory's NYSDOH Scope of Accreditation at the time of analysis.

*=This limit was used in the evaluation of the final result

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**Sample Description:** **DM-413F-110719 Grab Groundwater**
**General Electric Schenectady Main Plant**

**Project Name:** **GE Schenectady Main Plant**

Submittal Date/Time: 11/08/2019 11:03
Collection Date/Time: 11/07/2019 14:25
SDG#: SMP17-15

**GE-O'Brien & Gere, Inc.**
**ELLE Sample #: GW 1199069**
**ELLE Group #: 2074010**
**Matrix: Groundwater**

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 11996 | VOCs 8260C | SW-846 8260C 25mL purge | 1 | G193172AA | 11/14/2019 04:11 | Miranda Campbell | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030C | 1 | G193172AA | 11/14/2019 04:10 | Miranda Campbell | 1 |

*=This limit was used in the evaluation of the final result

**Sample Description:** **DM-413FP-110719 Grab Groundwater**
**General Electric Schenectady Main Plant**

**Project Name:** **GE Schenectady Main Plant**

Submittal Date/Time: 11/08/2019 11:03
Collection Date/Time: 11/07/2019 14:30
SDG#: SMP17-16

**GE-O'Brien & Gere, Inc.**
**ELLE Sample #: GW 1199070**
**ELLE Group #: 2074010**
**Matrix: Groundwater**

| CAT No. | Analysis Name | CAS Number | Result | Limit of Quantitation* | Method Detection Limit | Dilution Factor |
|---|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260C 25mL purge** | | **ug/l** | **ug/l** | **ug/l** | |
| 11996 | Acetone | 67-64-1 | 1.2 J | 5.0 | 0.9 | 1 |
| 11996 | Benzene | 71-43-2 | 0.1 J | 0.5 | 0.05 | 1 |
| 11996 | 2-Butanone | 78-93-3 | N.D. | 5.0 | 0.6 | 1 |
| 11996 | Chlorobenzene | 108-90-7 | 3.1 | 0.5 | 0.06 | 1 |
| 11996 | Chloroethane | 75-00-3 | 0.5 J | 0.5 | 0.07 | 1 |
| 11996 | Cyclohexane | 110-82-7 | 0.07 J | 0.5 | 0.05 | 1 |
| 11996 | 1,2-Dichlorobenzene | 95-50-1 | 0.2 J | 0.5 | 0.06 | 1 |
| 11996 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | 1,4-Dichlorobenzene | 106-46-7 | 0.2 J | 0.5 | 0.07 | 1 |
| 11996 | 1,1-Dichloroethane | 75-34-3 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | 1,2-Dichloroethane | 107-06-2 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | 1,1-Dichloroethene | 75-35-4 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | cis-1,2-Dichloroethene | 156-59-2 | 0.05 J | 0.5 | 0.05 | 1 |
| 11996 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | 1,2-Dichloroethene (Total)[1] | 540-59-0 | N.D. | 1.0 | 0.1 | 1 |
| 11996 | Ethylbenzene | 100-41-4 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Isopropylbenzene | 98-82-8 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | 5.0 | 0.7 | 1 |
| 11996 | Methylcyclohexane | 108-87-2 | 0.05 J | 0.5 | 0.05 | 1 |
| 11996 | Methylene Chloride | 75-09-2 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | Tetrachloroethene | 127-18-4 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Toluene | 108-88-3 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | 1,1,1-Trichloroethane | 71-55-6 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Trichloroethene | 79-01-6 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Vinyl Chloride | 75-01-4 | N.D. | 0.5 | 0.1 | 1 |
| 11996 | Xylene (Total) | 1330-20-7 | N.D. | 1.0 | 0.2 | 1 |

Project defined calibration criteria are not met. The calibration is compliant with the method defined criteria.

A Report Limit Verification (RLV) standard is analyzed to confirm sensitivity of the instrument for samples with non-detect analytes associated with a continuing calibration verification standard exhibiting low response (outside the 20%D criteria). The RLV standard shows adequate sensitivity at or below the reporting limit.

## Sample Comments

State of New York Certification No. 10670

[1] = This analyte was not on the laboratory's NYSDOH Scope of Accreditation at the time of analysis.

*=This limit was used in the evaluation of the final result

**Sample Description:** **DM-413FP-110719 Grab Groundwater**
**General Electric Schenectady Main Plant**

**Project Name:** **GE Schenectady Main Plant**

Submittal Date/Time: 11/08/2019 11:03
Collection Date/Time: 11/07/2019 14:30
SDG#: SMP17-16

**GE-O'Brien & Gere, Inc.**
**ELLE Sample #: GW 1199070**
**ELLE Group #: 2074010**
**Matrix: Groundwater**

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 11996 | VOCs 8260C | SW-846 8260C 25mL purge | 1 | G193172AA | 11/14/2019 04:33 | Miranda Campbell | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030C | 1 | G193172AA | 11/14/2019 04:32 | Miranda Campbell | 1 |

*=This limit was used in the evaluation of the final result

**Sample Description:** **DM-443CF(1)-110719 Grab Groundwater**
**General Electric Schenectady Main Plant**

**Project Name:** **GE Schenectady Main Plant**

Submittal Date/Time: 11/08/2019 11:03
Collection Date/Time: 11/07/2019 14:40
SDG#: SMP17-17

**GE-O'Brien & Gere, Inc.**
**ELLE Sample #: GW 1199071**
**ELLE Group #: 2074010**
**Matrix: Groundwater**

| CAT No. | Analysis Name | CAS Number | Result | Limit of Quantitation* | Method Detection Limit | Dilution Factor |
|---|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260C 25mL purge** | | **ug/l** | **ug/l** | **ug/l** | |
| 11996 | Acetone | 67-64-1 | N.D. | 5.0 | 0.9 | 1 |
| 11996 | Benzene | 71-43-2 | 1.9 | 0.5 | 0.05 | 1 |
| 11996 | 2-Butanone | 78-93-3 | N.D. | 5.0 | 0.6 | 1 |
| 11996 | Chlorobenzene | 108-90-7 | 16 | 0.5 | 0.06 | 1 |
| 11996 | Chloroethane | 75-00-3 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | Cyclohexane | 110-82-7 | 0.9 | 0.5 | 0.05 | 1 |
| 11996 | 1,2-Dichlorobenzene | 95-50-1 | 0.2 J | 0.5 | 0.06 | 1 |
| 11996 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | 1,4-Dichlorobenzene | 106-46-7 | 0.2 J | 0.5 | 0.07 | 1 |
| 11996 | 1,1-Dichloroethane | 75-34-3 | 0.3 J | 0.5 | 0.07 | 1 |
| 11996 | 1,2-Dichloroethane | 107-06-2 | 0.08 J | 0.5 | 0.05 | 1 |
| 11996 | 1,1-Dichloroethene | 75-35-4 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | cis-1,2-Dichloroethene | 156-59-2 | 0.4 J | 0.5 | 0.05 | 1 |
| 11996 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | 1,2-Dichloroethene (Total)[1] | 540-59-0 | 0.4 J | 1.0 | 0.1 | 1 |
| 11996 | Ethylbenzene | 100-41-4 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Isopropylbenzene | 98-82-8 | 0.4 J | 0.5 | 0.05 | 1 |
| 11996 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | 5.0 | 0.7 | 1 |
| 11996 | Methylcyclohexane | 108-87-2 | 0.09 J | 0.5 | 0.05 | 1 |
| 11996 | Methylene Chloride | 75-09-2 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | Tetrachloroethene | 127-18-4 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Toluene | 108-88-3 | 0.2 J | 0.5 | 0.07 | 1 |
| 11996 | 1,1,1-Trichloroethane | 71-55-6 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Trichloroethene | 79-01-6 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Vinyl Chloride | 75-01-4 | 2.4 | 0.5 | 0.1 | 1 |
| 11996 | Xylene (Total) | 1330-20-7 | N.D. | 1.0 | 0.2 | 1 |

Project defined calibration criteria are not met. The calibration is compliant with the method defined criteria.

A Report Limit Verification (RLV) standard is analyzed to confirm sensitivity of the instrument for samples with non-detect analytes associated with a continuing calibration verification standard exhibiting low response (outside the 20%D criteria). The RLV standard shows adequate sensitivity at or below the reporting limit.

## Sample Comments

State of New York Certification No. 10670

[1] = This analyte was not on the laboratory's NYSDOH Scope of Accreditation at the time of analysis.

*=This limit was used in the evaluation of the final result

**Sample Description:** **DM-443CF(1)-110719 Grab Groundwater**
**General Electric Schenectady Main Plant**

**Project Name:** **GE Schenectady Main Plant**

Submittal Date/Time: 11/08/2019 11:03
Collection Date/Time: 11/07/2019 14:40
SDG#: SMP17-17

**GE-O'Brien & Gere, Inc.**
**ELLE Sample #: GW 1199071**
**ELLE Group #: 2074010**
**Matrix: Groundwater**

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 11996 | VOCs 8260C | SW-846 8260C 25mL purge | 1 | G193172AA | 11/14/2019 04:55 | Miranda Campbell | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030C | 1 | G193172AA | 11/14/2019 04:54 | Miranda Campbell | 1 |

*=This limit was used in the evaluation of the final result

**Sample Description:** **DM-445CF(1)-110719 Grab Groundwater**
**General Electric Schenectady Main Plant**

**Project Name:** **GE Schenectady Main Plant**

Submittal Date/Time: 11/08/2019 11:03
Collection Date/Time: 11/07/2019 14:50
SDG#: SMP17-18

**GE-O'Brien & Gere, Inc.**
**ELLE Sample #: GW 1199072**
**ELLE Group #: 2074010**
**Matrix: Groundwater**

| CAT No. | Analysis Name | CAS Number | Result | Limit of Quantitation* | Method Detection Limit | Dilution Factor |
|---|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260C 25mL purge** | | **ug/l** | **ug/l** | **ug/l** | |
| 11996 | Acetone | 67-64-1 | N.D. | 5.0 | 0.9 | 1 |
| 11996 | Benzene | 71-43-2 | 1.8 | 0.5 | 0.05 | 1 |
| 11996 | 2-Butanone | 78-93-3 | N.D. | 5.0 | 0.6 | 1 |
| 11996 | Chlorobenzene | 108-90-7 | 9.1 | 0.5 | 0.06 | 1 |
| 11996 | Chloroethane | 75-00-3 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | Cyclohexane | 110-82-7 | 0.3 J | 0.5 | 0.05 | 1 |
| 11996 | 1,2-Dichlorobenzene | 95-50-1 | 0.06 J | 0.5 | 0.06 | 1 |
| 11996 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | 1,4-Dichlorobenzene | 106-46-7 | 0.2 J | 0.5 | 0.07 | 1 |
| 11996 | 1,1-Dichloroethane | 75-34-3 | 0.3 J | 0.5 | 0.07 | 1 |
| 11996 | 1,2-Dichloroethane | 107-06-2 | 0.08 J | 0.5 | 0.05 | 1 |
| 11996 | 1,1-Dichloroethene | 75-35-4 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | cis-1,2-Dichloroethene | 156-59-2 | 0.2 J | 0.5 | 0.05 | 1 |
| 11996 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | 1,2-Dichloroethene (Total)[1] | 540-59-0 | 0.2 J | 1.0 | 0.1 | 1 |
| 11996 | Ethylbenzene | 100-41-4 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Isopropylbenzene | 98-82-8 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | 5.0 | 0.7 | 1 |
| 11996 | Methylcyclohexane | 108-87-2 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | Methylene Chloride | 75-09-2 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | Tetrachloroethene | 127-18-4 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Toluene | 108-88-3 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | 1,1,1-Trichloroethane | 71-55-6 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Trichloroethene | 79-01-6 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Vinyl Chloride | 75-01-4 | 3.4 | 0.5 | 0.1 | 1 |
| 11996 | Xylene (Total) | 1330-20-7 | N.D. | 1.0 | 0.2 | 1 |

Project defined calibration criteria are not met. The calibration is compliant with the method defined criteria.

A Report Limit Verification (RLV) standard is analyzed to confirm sensitivity of the instrument for samples with non-detect analytes associated with a continuing calibration verification standard exhibiting low response (outside the 20%D criteria). The RLV standard shows adequate sensitivity at or below the reporting limit.

## Sample Comments

State of New York Certification No. 10670

[1] = This analyte was not on the laboratory's NYSDOH Scope of Accreditation at the time of analysis.

*=This limit was used in the evaluation of the final result

**Sample Description:** **DM-445CF(1)-110719 Grab Groundwater**
**General Electric Schenectady Main Plant**

**Project Name:** **GE Schenectady Main Plant**

Submittal Date/Time: 11/08/2019 11:03
Collection Date/Time: 11/07/2019 14:50
SDG#: SMP17-18

**GE-O'Brien & Gere, Inc.**
**ELLE Sample #: GW 1199072**
**ELLE Group #: 2074010**
**Matrix: Groundwater**

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 11996 | VOCs 8260C | SW-846 8260C 25mL purge | 1 | G193172AA | 11/14/2019 05:17 | Miranda Campbell | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030C | 1 | G193172AA | 11/14/2019 05:16 | Miranda Campbell | 1 |

*=This limit was used in the evaluation of the final result

**Sample Description:** **DM-418I-110719 Grab Groundwater**
**General Electric Schenectady Main Plant**

**Project Name:** **GE Schenectady Main Plant**

Submittal Date/Time: 11/08/2019 11:03
Collection Date/Time: 11/07/2019 15:00
SDG#: SMP17-19

**GE-O'Brien & Gere, Inc.**
**ELLE Sample #: GW 1199073**
**ELLE Group #: 2074010**
**Matrix: Groundwater**

| CAT No. | Analysis Name | CAS Number | Result | Limit of Quantitation* | Method Detection Limit | Dilution Factor |
|---|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260C 25mL purge** | | **ug/l** | **ug/l** | **ug/l** | |
| 11996 | Acetone | 67-64-1 | 1.2 J | 5.0 | 0.9 | 1 |
| 11996 | Benzene | 71-43-2 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | 2-Butanone | 78-93-3 | N.D. | 5.0 | 0.6 | 1 |
| 11996 | Chlorobenzene | 108-90-7 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Chloroethane | 75-00-3 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | Cyclohexane | 110-82-7 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | 1,1-Dichloroethane | 75-34-3 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | 1,2-Dichloroethane | 107-06-2 | 0.4 J | 0.5 | 0.05 | 1 |
| 11996 | 1,1-Dichloroethene | 75-35-4 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | cis-1,2-Dichloroethene | 156-59-2 | 22 | 0.5 | 0.05 | 1 |
| 11996 | trans-1,2-Dichloroethene | 156-60-5 | 0.08 J | 0.5 | 0.06 | 1 |
| 11996 | 1,2-Dichloroethene (Total)[1] | 540-59-0 | 22 | 1.0 | 0.1 | 1 |
| 11996 | Ethylbenzene | 100-41-4 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Isopropylbenzene | 98-82-8 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | 5.0 | 0.7 | 1 |
| 11996 | Methylcyclohexane | 108-87-2 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | Methylene Chloride | 75-09-2 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | Tetrachloroethene | 127-18-4 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Toluene | 108-88-3 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | 1,1,1-Trichloroethane | 71-55-6 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Trichloroethene | 79-01-6 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Vinyl Chloride | 75-01-4 | 83 | 5.0 | 1.0 | 10 |
| 11996 | Xylene (Total) | 1330-20-7 | N.D. | 1.0 | 0.2 | 1 |

## Sample Comments

State of New York Certification No. 10670

[1] = This analyte was not on the laboratory's NYSDOH Scope of Accreditation at the time of analysis.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 11996 | VOCs 8260C | SW-846 8260C 25mL purge | 1 | G193172AA | 11/14/2019 05:39 | Miranda Campbell | 1 |
| 11996 | VOCs 8260C | SW-846 8260C 25mL purge | 1 | I193222AA | 11/18/2019 22:45 | Miranda Campbell | 10 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030C | 1 | G193172AA | 11/14/2019 05:38 | Miranda Campbell | 1 |

*=This limit was used in the evaluation of the final result

**Sample Description:** **DM-418I-110719 Grab Groundwater**
**General Electric Schenectady Main Plant**

**Project Name:** **GE Schenectady Main Plant**

Submittal Date/Time: 11/08/2019 11:03
Collection Date/Time: 11/07/2019 15:00
SDG#: SMP17-19

**GE-O'Brien & Gere, Inc.**
**ELLE Sample #: GW 1199073**
**ELLE Group #: 2074010**
**Matrix: Groundwater**

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 01163 | GC/MS VOA Water Prep | SW-846 5030C | 2 | I193222AA | 11/18/2019 22:44 | Miranda Campbell | 10 |

*=This limit was used in the evaluation of the final result

**Sample Description:** **TB-07-110719 Water**
**General Electric Schenectady Main Plant**

**Project Name:** **GE Schenectady Main Plant**

Submittal Date/Time: 11/08/2019 11:03
Collection Date/Time: 11/07/2019
SDG#: SMP17-20TB

**GE-O'Brien & Gere, Inc.**
**ELLE Sample #: GW 1199074**
**ELLE Group #: 2074010**
**Matrix: Water**

| CAT No. | Analysis Name | CAS Number | Result | Limit of Quantitation* | Method Detection Limit | Dilution Factor |
|---|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260C 25mL purge** | | **ug/l** | **ug/l** | **ug/l** | |
| 11996 | Acetone | 67-64-1 | N.D. | 5.0 | 0.9 | 1 |
| 11996 | Benzene | 71-43-2 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | 2-Butanone | 78-93-3 | N.D. | 5.0 | 0.6 | 1 |
| 11996 | Chlorobenzene | 108-90-7 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Chloroethane | 75-00-3 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | Cyclohexane | 110-82-7 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | 1,1-Dichloroethane | 75-34-3 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | 1,2-Dichloroethane | 107-06-2 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | 1,1-Dichloroethene | 75-35-4 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | 1,2-Dichloroethene (Total)[1] | 540-59-0 | N.D. | 1.0 | 0.1 | 1 |
| 11996 | Ethylbenzene | 100-41-4 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Isopropylbenzene | 98-82-8 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | 5.0 | 0.7 | 1 |
| 11996 | Methylcyclohexane | 108-87-2 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | Methylene Chloride | 75-09-2 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | Tetrachloroethene | 127-18-4 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Toluene | 108-88-3 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | 1,1,1-Trichloroethane | 71-55-6 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Trichloroethene | 79-01-6 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Vinyl Chloride | 75-01-4 | N.D. | 0.5 | 0.1 | 1 |
| 11996 | Xylene (Total) | 1330-20-7 | N.D. | 1.0 | 0.2 | 1 |

Project defined calibration criteria are not met. The calibration is compliant with the method defined criteria.

A Report Limit Verification (RLV) standard is analyzed to confirm sensitivity of the instrument for samples with non-detect analytes associated with a continuing calibration verification standard exhibiting low response (outside the 20%D criteria). The RLV standard shows adequate sensitivity at or below the reporting limit.

## Sample Comments

State of New York Certification No. 10670

[1] = This analyte was not on the laboratory's NYSDOH Scope of Accreditation at the time of analysis.

*=This limit was used in the evaluation of the final result

**Sample Description:** **TB-07-110719 Water**
**General Electric Schenectady Main Plant**

**Project Name:** **GE Schenectady Main Plant**

Submittal Date/Time: 11/08/2019 11:03
Collection Date/Time: 11/07/2019
SDG#: SMP17-20TB

**GE-O'Brien & Gere, Inc.**
**ELLE Sample #: GW 1199074**
**ELLE Group #: 2074010**
**Matrix: Water**

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 11996 | VOCs 8260C | SW-846 8260C 25mL purge | 1 | G193172AA | 11/14/2019 00:07 | Miranda Campbell | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030C | 1 | G193172AA | 11/14/2019 00:06 | Miranda Campbell | 1 |

*=This limit was used in the evaluation of the final result

**Sample Description:** **DM-303S-110819 Grab Groundwater**
**General Electric Schenectady Main Plant**

**Project Name:** **GE Schenectady Main Plant**

Submittal Date/Time: 11/09/2019 10:01
Collection Date/Time: 11/08/2019 08:45
SDG#: SMP17-21

**GE-O'Brien & Gere, Inc.**
**ELLE Sample #: GW 1199075**
**ELLE Group #: 2074011**
**Matrix: Groundwater**

| CAT No. | Analysis Name | CAS Number | Result | Limit of Quantitation* | Method Detection Limit | Dilution Factor |
|---|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260C 25mL purge** | | **ug/l** | **ug/l** | **ug/l** | |
| 11996 | Acetone | 67-64-1 | 2.1 J | 5.0 | 0.9 | 1 |
| 11996 | Benzene | 71-43-2 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | 2-Butanone | 78-93-3 | N.D. | 5.0 | 0.6 | 1 |
| 11996 | Chlorobenzene | 108-90-7 | 1.8 | 0.5 | 0.06 | 1 |
| 11996 | Chloroethane | 75-00-3 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | Cyclohexane | 110-82-7 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | 1,2-Dichlorobenzene | 95-50-1 | 0.3 J | 0.5 | 0.06 | 1 |
| 11996 | 1,3-Dichlorobenzene | 541-73-1 | 0.3 J | 0.5 | 0.06 | 1 |
| 11996 | 1,4-Dichlorobenzene | 106-46-7 | 1.7 | 0.5 | 0.07 | 1 |
| 11996 | 1,1-Dichloroethane | 75-34-3 | 0.2 J | 0.5 | 0.07 | 1 |
| 11996 | 1,2-Dichloroethane | 107-06-2 | 0.1 J | 0.5 | 0.05 | 1 |
| 11996 | 1,1-Dichloroethene | 75-35-4 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | cis-1,2-Dichloroethene | 156-59-2 | 0.4 J | 0.5 | 0.05 | 1 |
| 11996 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | 1,2-Dichloroethene (Total)[1] | 540-59-0 | 0.4 J | 1.0 | 0.1 | 1 |
| 11996 | Ethylbenzene | 100-41-4 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Isopropylbenzene | 98-82-8 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | 5.0 | 0.7 | 1 |
| 11996 | Methylcyclohexane | 108-87-2 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | Methylene Chloride | 75-09-2 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | Tetrachloroethene | 127-18-4 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Toluene | 108-88-3 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | 1,1,1-Trichloroethane | 71-55-6 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Trichloroethene | 79-01-6 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Vinyl Chloride | 75-01-4 | 3.2 | 0.5 | 0.1 | 1 |
| 11996 | Xylene (Total) | 1330-20-7 | N.D. | 1.0 | 0.2 | 1 |

## Sample Comments

State of New York Certification No. 10670

[1] = This analyte was not on the laboratory's NYSDOH Scope of Accreditation at the time of analysis.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 11996 | VOCs 8260C | SW-846 8260C 25mL purge | 1 | H193181AA | 11/14/2019 11:32 | Jennifer K Howe | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030C | 1 | H193181AA | 11/14/2019 11:31 | Jennifer K Howe | 1 |

*=This limit was used in the evaluation of the final result

**Sample Description:** **DM-303I-110819 Grab Groundwater**
**General Electric Schenectady Main Plant**

**Project Name:** **GE Schenectady Main Plant**

Submittal Date/Time: 11/09/2019 10:01
Collection Date/Time: 11/08/2019 08:55
SDG#: SMP17-22

**GE-O'Brien & Gere, Inc.**
**ELLE Sample #: GW 1199076**
**ELLE Group #: 2074011**
**Matrix: Groundwater**

| CAT No. | Analysis Name | CAS Number | Result | Limit of Quantitation* | Method Detection Limit | Dilution Factor |
|---|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260C 25mL purge** | | **ug/l** | **ug/l** | **ug/l** | |
| 11996 | Acetone | 67-64-1 | 1.3 J | 5.0 | 0.9 | 1 |
| 11996 | Benzene | 71-43-2 | 0.3 J | 0.5 | 0.05 | 1 |
| 11996 | 2-Butanone | 78-93-3 | N.D. | 5.0 | 0.6 | 1 |
| 11996 | Chlorobenzene | 108-90-7 | 0.07 J | 0.5 | 0.06 | 1 |
| 11996 | Chloroethane | 75-00-3 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | Cyclohexane | 110-82-7 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | 1,1-Dichloroethane | 75-34-3 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | 1,2-Dichloroethane | 107-06-2 | 0.4 J | 0.5 | 0.05 | 1 |
| 11996 | 1,1-Dichloroethene | 75-35-4 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | cis-1,2-Dichloroethene | 156-59-2 | 19 | 0.5 | 0.05 | 1 |
| 11996 | trans-1,2-Dichloroethene | 156-60-5 | 0.1 J | 0.5 | 0.06 | 1 |
| 11996 | 1,2-Dichloroethene (Total)[1] | 540-59-0 | 19 | 1.0 | 0.1 | 1 |
| 11996 | Ethylbenzene | 100-41-4 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Isopropylbenzene | 98-82-8 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | 5.0 | 0.7 | 1 |
| 11996 | Methylcyclohexane | 108-87-2 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | Methylene Chloride | 75-09-2 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | Tetrachloroethene | 127-18-4 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Toluene | 108-88-3 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | 1,1,1-Trichloroethane | 71-55-6 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Trichloroethene | 79-01-6 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Vinyl Chloride | 75-01-4 | 73 | 5.0 | 1.0 | 10 |
| 11996 | Xylene (Total) | 1330-20-7 | N.D. | 1.0 | 0.2 | 1 |

## Sample Comments

State of New York Certification No. 10670

[1] = This analyte was not on the laboratory's NYSDOH Scope of Accreditation at the time of analysis.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 11996 | VOCs 8260C | SW-846 8260C 25mL purge | 1 | H193181AA | 11/14/2019 11:53 | Jennifer K Howe | 1 |
| 11996 | VOCs 8260C | SW-846 8260C 25mL purge | 1 | I193222AA | 11/18/2019 23:07 | Miranda Campbell | 10 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030C | 1 | H193181AA | 11/14/2019 11:52 | Jennifer K Howe | 1 |

*=This limit was used in the evaluation of the final result

**Sample Description:** **DM-303I-110819 Grab Groundwater**
**General Electric Schenectady Main Plant**

**Project Name:** **GE Schenectady Main Plant**

Submittal Date/Time: 11/09/2019 10:01
Collection Date/Time: 11/08/2019 08:55
SDG#: SMP17-22

**GE-O'Brien & Gere, Inc.**
**ELLE Sample #: GW 1199076**
**ELLE Group #: 2074011**
**Matrix: Groundwater**

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 01163 | GC/MS VOA Water Prep | SW-846 5030C | 2 | I193222AA | 11/18/2019 23:06 | Miranda Campbell | 10 |

*=This limit was used in the evaluation of the final result

**Sample Description:** **DM-305I-110819 Grab Groundwater**
**General Electric Schenectady Main Plant**

**Project Name:** **GE Schenectady Main Plant**

Submittal Date/Time: 11/09/2019 10:01
Collection Date/Time: 11/08/2019 09:15
SDG#: SMP17-23

**GE-O'Brien & Gere, Inc.**
**ELLE Sample #: GW 1199077**
**ELLE Group #: 2074011**
**Matrix: Groundwater**

| CAT No. | Analysis Name | CAS Number | Result | Limit of Quantitation* | Method Detection Limit | Dilution Factor |
|---|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260C 25mL purge** | | **ug/l** | **ug/l** | **ug/l** | |
| 11996 | Acetone | 67-64-1 | 4.3 J | 5.0 | 0.9 | 1 |
| 11996 | Benzene | 71-43-2 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | 2-Butanone | 78-93-3 | N.D. | 5.0 | 0.6 | 1 |
| 11996 | Chlorobenzene | 108-90-7 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Chloroethane | 75-00-3 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | Cyclohexane | 110-82-7 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | 1,1-Dichloroethane | 75-34-3 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | 1,2-Dichloroethane | 107-06-2 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | 1,1-Dichloroethene | 75-35-4 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | cis-1,2-Dichloroethene | 156-59-2 | 0.1 J | 0.5 | 0.05 | 1 |
| 11996 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | 1,2-Dichloroethene (Total)[1] | 540-59-0 | N.D. | 1.0 | 0.1 | 1 |
| 11996 | Ethylbenzene | 100-41-4 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Isopropylbenzene | 98-82-8 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | 5.0 | 0.7 | 1 |
| 11996 | Methylcyclohexane | 108-87-2 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | Methylene Chloride | 75-09-2 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | Tetrachloroethene | 127-18-4 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Toluene | 108-88-3 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | 1,1,1-Trichloroethane | 71-55-6 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Trichloroethene | 79-01-6 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Vinyl Chloride | 75-01-4 | 24 | 5.0 | 1.0 | 10 |
| 11996 | Xylene (Total) | 1330-20-7 | N.D. | 1.0 | 0.2 | 1 |

## Sample Comments

State of New York Certification No. 10670

[1] = This analyte was not on the laboratory's NYSDOH Scope of Accreditation at the time of analysis.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 11996 | VOCs 8260C | SW-846 8260C 25mL purge | 1 | I193222AA | 11/19/2019 00:10 | Miranda Campbell | 1 |
| 11996 | VOCs 8260C | SW-846 8260C 25mL purge | 1 | I193222AA | 11/19/2019 00:31 | Miranda Campbell | 10 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030C | 1 | I193222AA | 11/19/2019 00:09 | Miranda Campbell | 1 |

*=This limit was used in the evaluation of the final result

**Sample Description:** **DM-305I-110819 Grab Groundwater**
**General Electric Schenectady Main Plant**

**Project Name:** **GE Schenectady Main Plant**

Submittal Date/Time: 11/09/2019 10:01
Collection Date/Time: 11/08/2019 09:15
SDG#: SMP17-23

**GE-O'Brien & Gere, Inc.**
**ELLE Sample #: GW 1199077**
**ELLE Group #: 2074011**
**Matrix: Groundwater**

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 01163 | GC/MS VOA Water Prep | SW-846 5030C | 2 | I193222AA | 11/19/2019 00:30 | Miranda Campbell | 10 |

*=This limit was used in the evaluation of the final result

**Sample Description:** **DM-305D-110819 Grab Groundwater**
**General Electric Schenectady Main Plant**

**Project Name:** **GE Schenectady Main Plant**

Submittal Date/Time: 11/09/2019 10:01
Collection Date/Time: 11/08/2019 09:20
SDG#: SMP17-24

**GE-O'Brien & Gere, Inc.**
**ELLE Sample #: GW 1199078**
**ELLE Group #: 2074011**
**Matrix: Groundwater**

| CAT No. | Analysis Name | CAS Number | Result | Limit of Quantitation* | Method Detection Limit | Dilution Factor |
|---|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260C 25mL purge** | | **ug/l** | **ug/l** | **ug/l** | |
| 11996 | Acetone | 67-64-1 | 1.6 J | 5.0 | 0.9 | 1 |
| 11996 | Benzene | 71-43-2 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | 2-Butanone | 78-93-3 | N.D. | 5.0 | 0.6 | 1 |
| 11996 | Chlorobenzene | 108-90-7 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Chloroethane | 75-00-3 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | Cyclohexane | 110-82-7 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | 1,1-Dichloroethane | 75-34-3 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | 1,2-Dichloroethane | 107-06-2 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | 1,1-Dichloroethene | 75-35-4 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | 1,2-Dichloroethene (Total)[1] | 540-59-0 | N.D. | 1.0 | 0.1 | 1 |
| 11996 | Ethylbenzene | 100-41-4 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Isopropylbenzene | 98-82-8 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | 5.0 | 0.7 | 1 |
| 11996 | Methylcyclohexane | 108-87-2 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | Methylene Chloride | 75-09-2 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | Tetrachloroethene | 127-18-4 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Toluene | 108-88-3 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | 1,1,1-Trichloroethane | 71-55-6 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Trichloroethene | 79-01-6 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Vinyl Chloride | 75-01-4 | N.D. | 0.5 | 0.1 | 1 |
| 11996 | Xylene (Total) | 1330-20-7 | N.D. | 1.0 | 0.2 | 1 |

## Sample Comments

State of New York Certification No. 10670

[1] = This analyte was not on the laboratory's NYSDOH Scope of Accreditation at the time of analysis.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 11996 | VOCs 8260C | SW-846 8260C 25mL purge | 1 | H193181AA | 11/14/2019 12:15 | Jennifer K Howe | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030C | 1 | H193181AA | 11/14/2019 12:14 | Jennifer K Howe | 1 |

*=This limit was used in the evaluation of the final result

**Sample Description:** **GE-218D-110819 Grab Groundwater**
**General Electric Schenectady Main Plant**

**Project Name:** **GE Schenectady Main Plant**

Submittal Date/Time: 11/09/2019 10:01
Collection Date/Time: 11/08/2019 09:45
SDG#: SMP17-25

**GE-O'Brien & Gere, Inc.**
**ELLE Sample #: GW 1199079**
**ELLE Group #: 2074011**
**Matrix: Groundwater**

| CAT No. | Analysis Name | CAS Number | Result | Limit of Quantitation* | Method Detection Limit | Dilution Factor |
|---|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260C 25mL purge** | | **ug/l** | **ug/l** | **ug/l** | |
| 11996 | Acetone | 67-64-1 | 1.4 J | 5.0 | 0.9 | 1 |
| 11996 | Benzene | 71-43-2 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | 2-Butanone | 78-93-3 | N.D. | 5.0 | 0.6 | 1 |
| 11996 | Chlorobenzene | 108-90-7 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Chloroethane | 75-00-3 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | Cyclohexane | 110-82-7 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | 1,1-Dichloroethane | 75-34-3 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | 1,2-Dichloroethane | 107-06-2 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | 1,1-Dichloroethene | 75-35-4 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | cis-1,2-Dichloroethene | 156-59-2 | 33 | 5.0 | 0.5 | 10 |
| 11996 | trans-1,2-Dichloroethene | 156-60-5 | 0.2 J | 0.5 | 0.06 | 1 |
| 11996 | 1,2-Dichloroethene (Total)[1] | 540-59-0 | 33 | 10 | 1.1 | 10 |
| 11996 | Ethylbenzene | 100-41-4 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Isopropylbenzene | 98-82-8 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | 5.0 | 0.7 | 1 |
| 11996 | Methylcyclohexane | 108-87-2 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | Methylene Chloride | 75-09-2 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | Tetrachloroethene | 127-18-4 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Toluene | 108-88-3 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | 1,1,1-Trichloroethane | 71-55-6 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Trichloroethene | 79-01-6 | 1.5 | 0.5 | 0.06 | 1 |
| 11996 | Vinyl Chloride | 75-01-4 | N.D. | 0.5 | 0.1 | 1 |
| 11996 | Xylene (Total) | 1330-20-7 | N.D. | 1.0 | 0.2 | 1 |

## Sample Comments

State of New York Certification No. 10670

[1] = This analyte was not on the laboratory's NYSDOH Scope of Accreditation at the time of analysis.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 11996 | VOCs 8260C | SW-846 8260C 25mL purge | 1 | I193222AA | 11/19/2019 00:52 | Miranda Campbell | 1 |
| 11996 | VOCs 8260C | SW-846 8260C 25mL purge | 1 | I193222AA | 11/19/2019 01:13 | Miranda Campbell | 10 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030C | 1 | I193222AA | 11/19/2019 00:51 | Miranda Campbell | 1 |

*=This limit was used in the evaluation of the final result

**Sample Description:** **GE-218D-110819 Grab Groundwater**
**General Electric Schenectady Main Plant**

**Project Name:** **GE Schenectady Main Plant**

Submittal Date/Time: 11/09/2019 10:01
Collection Date/Time: 11/08/2019 09:45
SDG#: SMP17-25

**GE-O'Brien & Gere, Inc.**
**ELLE Sample #: GW 1199079**
**ELLE Group #: 2074011**
**Matrix: Groundwater**

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 01163 | GC/MS VOA Water Prep | SW-846 5030C | 2 | I193222AA | 11/19/2019 01:12 | Miranda Campbell | 10 |

*=This limit was used in the evaluation of the final result

**Sample Description:** **X-05-110819 Grab Groundwater**
**General Electric Schenectady Main Plant**

**Project Name:** **GE Schenectady Main Plant**

Submittal Date/Time: 11/09/2019 10:01
Collection Date/Time: 11/08/2019
SDG#: SMP17-26FD

**GE-O'Brien & Gere, Inc.**
**ELLE Sample #: GW 1199080**
**ELLE Group #: 2074011**
**Matrix: Groundwater**

| CAT No. | Analysis Name | CAS Number | Result | Limit of Quantitation* | Method Detection Limit | Dilution Factor |
|---|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260C 25mL purge** | | **ug/l** | **ug/l** | **ug/l** | |
| 11996 | Acetone | 67-64-1 | 2.2 J | 5.0 | 0.9 | 1 |
| 11996 | Benzene | 71-43-2 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | 2-Butanone | 78-93-3 | N.D. | 5.0 | 0.6 | 1 |
| 11996 | Chlorobenzene | 108-90-7 | 1.8 | 0.5 | 0.06 | 1 |
| 11996 | Chloroethane | 75-00-3 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | Cyclohexane | 110-82-7 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | 1,2-Dichlorobenzene | 95-50-1 | 0.3 J | 0.5 | 0.06 | 1 |
| 11996 | 1,3-Dichlorobenzene | 541-73-1 | 0.3 J | 0.5 | 0.06 | 1 |
| 11996 | 1,4-Dichlorobenzene | 106-46-7 | 1.7 | 0.5 | 0.07 | 1 |
| 11996 | 1,1-Dichloroethane | 75-34-3 | 0.1 J | 0.5 | 0.07 | 1 |
| 11996 | 1,2-Dichloroethane | 107-06-2 | 0.1 J | 0.5 | 0.05 | 1 |
| 11996 | 1,1-Dichloroethene | 75-35-4 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | cis-1,2-Dichloroethene | 156-59-2 | 0.4 J | 0.5 | 0.05 | 1 |
| 11996 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | 1,2-Dichloroethene (Total)[1] | 540-59-0 | 0.4 J | 1.0 | 0.1 | 1 |
| 11996 | Ethylbenzene | 100-41-4 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Isopropylbenzene | 98-82-8 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | 5.0 | 0.7 | 1 |
| 11996 | Methylcyclohexane | 108-87-2 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | Methylene Chloride | 75-09-2 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | Tetrachloroethene | 127-18-4 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Toluene | 108-88-3 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | 1,1,1-Trichloroethane | 71-55-6 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Trichloroethene | 79-01-6 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Vinyl Chloride | 75-01-4 | 2.6 | 0.5 | 0.1 | 1 |
| 11996 | Xylene (Total) | 1330-20-7 | N.D. | 1.0 | 0.2 | 1 |

## Sample Comments

State of New York Certification No. 10670

[1] = This analyte was not on the laboratory's NYSDOH Scope of Accreditation at the time of analysis.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 11996 | VOCs 8260C | SW-846 8260C 25mL purge | 1 | I193222AA | 11/19/2019 05:49 | Miranda Campbell | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030C | 1 | I193222AA | 11/19/2019 05:48 | Miranda Campbell | 1 |

*=This limit was used in the evaluation of the final result

**Sample Description:** **TB-08-110819 Water**
**General Electric Schenectady Main Plant**

**Project Name:** **GE Schenectady Main Plant**

Submittal Date/Time: 11/09/2019 10:01
Collection Date/Time: 11/08/2019
SDG#: SMP17-27TB

**GE-O'Brien & Gere, Inc.**
**ELLE Sample #: GW 1199081**
**ELLE Group #: 2074011**
**Matrix: Water**

| CAT No. | Analysis Name | CAS Number | Result | Limit of Quantitation* | Method Detection Limit | Dilution Factor |
|---|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260C 25mL purge** | | **ug/l** | **ug/l** | **ug/l** | |
| 11996 | Acetone | 67-64-1 | N.D. | 5.0 | 0.9 | 1 |
| 11996 | Benzene | 71-43-2 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | 2-Butanone | 78-93-3 | N.D. | 5.0 | 0.6 | 1 |
| 11996 | Chlorobenzene | 108-90-7 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Chloroethane | 75-00-3 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | Cyclohexane | 110-82-7 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | 1,1-Dichloroethane | 75-34-3 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | 1,2-Dichloroethane | 107-06-2 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | 1,1-Dichloroethene | 75-35-4 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | 1,2-Dichloroethene (Total)[1] | 540-59-0 | N.D. | 1.0 | 0.1 | 1 |
| 11996 | Ethylbenzene | 100-41-4 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Isopropylbenzene | 98-82-8 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | 5.0 | 0.7 | 1 |
| 11996 | Methylcyclohexane | 108-87-2 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | Methylene Chloride | 75-09-2 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | Tetrachloroethene | 127-18-4 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Toluene | 108-88-3 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | 1,1,1-Trichloroethane | 71-55-6 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Trichloroethene | 79-01-6 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Vinyl Chloride | 75-01-4 | N.D. | 0.5 | 0.1 | 1 |
| 11996 | Xylene (Total) | 1330-20-7 | N.D. | 1.0 | 0.2 | 1 |

## Sample Comments

State of New York Certification No. 10670

[1] = This analyte was not on the laboratory's NYSDOH Scope of Accreditation at the time of analysis.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 11996 | VOCs 8260C | SW-846 8260C 25mL purge | 1 | H193181AA | 11/14/2019 10:27 | Jennifer K Howe | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030C | 1 | H193181AA | 11/14/2019 10:26 | Jennifer K Howe | 1 |

*=This limit was used in the evaluation of the final result

**Sample Description:** **DM-303D-103119 Grab Groundwater**
**General Electric Schenectady Main Plant**

**Project Name:** **GE Schenectady Main Plant**

Submittal Date/Time: 11/01/2019 11:38
Collection Date/Time: 10/31/2019 11:35
SDG#: SMP16-03BKG

**GE-O'Brien & Gere, Inc.**
**ELLE Sample #: GW 1190299**
**ELLE Group #: 2072223**
**Matrix: Groundwater**

| CAT No. | Analysis Name | CAS Number | Result | Limit of Quantitation* | Method Detection Limit | Dilution Factor |
|---|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260C 25mL purge** | | **ug/l** | **ug/l** | **ug/l** | |
| 11996 | Acetone | 67-64-1 | N.D. | 5.0 | 0.9 | 1 |
| 11996 | Benzene | 71-43-2 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | 2-Butanone | 78-93-3 | N.D. | 5.0 | 0.6 | 1 |
| 11996 | Chlorobenzene | 108-90-7 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Chloroethane | 75-00-3 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | Cyclohexane | 110-82-7 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | 1,1-Dichloroethane | 75-34-3 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | 1,2-Dichloroethane | 107-06-2 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | 1,1-Dichloroethene | 75-35-4 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | cis-1,2-Dichloroethene | 156-59-2 | 0.3 J | 0.5 | 0.05 | 1 |
| 11996 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | 1,2-Dichloroethene (Total)[1] | 540-59-0 | 0.3 J | 1.0 | 0.1 | 1 |
| 11996 | Ethylbenzene | 100-41-4 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Isopropylbenzene | 98-82-8 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | 5.0 | 0.7 | 1 |
| 11996 | Methylcyclohexane | 108-87-2 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | Methylene Chloride | 75-09-2 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | Tetrachloroethene | 127-18-4 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Toluene | 108-88-3 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | 1,1,1-Trichloroethane | 71-55-6 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Trichloroethene | 79-01-6 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Vinyl Chloride | 75-01-4 | N.D. | 0.5 | 0.1 | 1 |
| 11996 | Xylene (Total) | 1330-20-7 | N.D. | 1.0 | 0.2 | 1 |

## Sample Comments

State of New York Certification No. 10670

[1] = This analyte was not on the laboratory's NYSDOH Scope of Accreditation at the time of analysis.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 11996 | VOCs 8260C | SW-846 8260C 25mL purge | 1 | H193122AA | 11/09/2019 00:13 | Miranda Campbell | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030C | 1 | H193122AA | 11/09/2019 00:12 | Miranda Campbell | 1 |

*=This limit was used in the evaluation of the final result

**Sample Description:** **P-8-103119 Grab Groundwater**
**General Electric Schenectady Main Plant**

**Project Name:** **GE Schenectady Main Plant**

Submittal Date/Time: 11/01/2019 11:38
Collection Date/Time: 10/31/2019 12:15
SDG#: SMP16-04

**GE-O'Brien & Gere, Inc.**
**ELLE Sample #: GW 1190302**
**ELLE Group #: 2072223**
**Matrix: Groundwater**

| CAT No. | Analysis Name | CAS Number | Result | Limit of Quantitation* | Method Detection Limit | Dilution Factor |
|---|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260C 25mL purge** | | **ug/l** | **ug/l** | **ug/l** | |
| 11996 | Acetone | 67-64-1 | N.D. | 5.0 | 0.9 | 1 |
| 11996 | Benzene | 71-43-2 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | 2-Butanone | 78-93-3 | N.D. | 5.0 | 0.6 | 1 |
| 11996 | Chlorobenzene | 108-90-7 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Chloroethane | 75-00-3 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | Cyclohexane | 110-82-7 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | 1,1-Dichloroethane | 75-34-3 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | 1,2-Dichloroethane | 107-06-2 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | 1,1-Dichloroethene | 75-35-4 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | cis-1,2-Dichloroethene | 156-59-2 | 0.06 J | 0.5 | 0.05 | 1 |
| 11996 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | 1,2-Dichloroethene (Total)[1] | 540-59-0 | N.D. | 1.0 | 0.1 | 1 |
| 11996 | Ethylbenzene | 100-41-4 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Isopropylbenzene | 98-82-8 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | 5.0 | 0.7 | 1 |
| 11996 | Methylcyclohexane | 108-87-2 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | Methylene Chloride | 75-09-2 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | Tetrachloroethene | 127-18-4 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Toluene | 108-88-3 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | 1,1,1-Trichloroethane | 71-55-6 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Trichloroethene | 79-01-6 | 0.7 | 0.5 | 0.06 | 1 |
| 11996 | Vinyl Chloride | 75-01-4 | N.D. | 0.5 | 0.1 | 1 |
| 11996 | Xylene (Total) | 1330-20-7 | N.D. | 1.0 | 0.2 | 1 |

## Sample Comments

State of New York Certification No. 10670

[1] = This analyte was not on the laboratory's NYSDOH Scope of Accreditation at the time of analysis.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 11996 | VOCs 8260C | SW-846 8260C 25mL purge | 1 | H193122AA | 11/09/2019 01:17 | Miranda Campbell | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030C | 1 | H193122AA | 11/09/2019 01:16 | Miranda Campbell | 1 |

*=This limit was used in the evaluation of the final result

**Sample Description:** **P-39-103119 Grab Groundwater**
**General Electric Schenectady Main Plant**

**Project Name:** **GE Schenectady Main Plant**

Submittal Date/Time: 11/01/2019 11:38
Collection Date/Time: 10/31/2019 12:45
SDG#: SMP16-05

**GE-O'Brien & Gere, Inc.**
**ELLE Sample #: GW 1190303**
**ELLE Group #: 2072223**
**Matrix: Groundwater**

| CAT No. | Analysis Name | CAS Number | Result | Limit of Quantitation* | Method Detection Limit | Dilution Factor |
|---|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260C 25mL purge** | | **ug/l** | **ug/l** | **ug/l** | |
| 11996 | Acetone | 67-64-1 | 1.8 J | 5.0 | 0.9 | 1 |
| 11996 | Benzene | 71-43-2 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | 2-Butanone | 78-93-3 | N.D. | 5.0 | 0.6 | 1 |
| 11996 | Chlorobenzene | 108-90-7 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Chloroethane | 75-00-3 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | Cyclohexane | 110-82-7 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | 1,1-Dichloroethane | 75-34-3 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | 1,2-Dichloroethane | 107-06-2 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | 1,1-Dichloroethene | 75-35-4 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | 1,2-Dichloroethene (Total)[1] | 540-59-0 | N.D. | 1.0 | 0.1 | 1 |
| 11996 | Ethylbenzene | 100-41-4 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Isopropylbenzene | 98-82-8 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | 5.0 | 0.7 | 1 |
| 11996 | Methylcyclohexane | 108-87-2 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | Methylene Chloride | 75-09-2 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | Tetrachloroethene | 127-18-4 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Toluene | 108-88-3 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | 1,1,1-Trichloroethane | 71-55-6 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Trichloroethene | 79-01-6 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Vinyl Chloride | 75-01-4 | N.D. | 0.5 | 0.1 | 1 |
| 11996 | Xylene (Total) | 1330-20-7 | N.D. | 1.0 | 0.2 | 1 |

## Sample Comments

State of New York Certification No. 10670

[1] = This analyte was not on the laboratory's NYSDOH Scope of Accreditation at the time of analysis.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 11996 | VOCs 8260C | SW-846 8260C 25mL purge | 1 | H193122AA | 11/09/2019 01:39 | Miranda Campbell | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030C | 1 | H193122AA | 11/09/2019 01:38 | Miranda Campbell | 1 |

*=This limit was used in the evaluation of the final result

**Sample Description:** **DM-412FP-103119 Grab Groundwater**
**General Electric Schenectady Main Plant**

**Project Name:** **GE Schenectady Main Plant**

Submittal Date/Time: 11/01/2019 11:38
Collection Date/Time: 10/31/2019 12:55
SDG#: SMP16-06

**GE-O'Brien & Gere, Inc.**
**ELLE Sample #: GW 1190304**
**ELLE Group #: 2072223**
**Matrix: Groundwater**

| CAT No. | Analysis Name | CAS Number | Result | Limit of Quantitation* | Method Detection Limit | Dilution Factor |
|---|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260C 25mL purge** | | **ug/l** | **ug/l** | **ug/l** | |
| 11996 | Acetone | 67-64-1 | 2.3 J | 5.0 | 0.9 | 1 |
| 11996 | Benzene | 71-43-2 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | 2-Butanone | 78-93-3 | N.D. | 5.0 | 0.6 | 1 |
| 11996 | Chlorobenzene | 108-90-7 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Chloroethane | 75-00-3 | 0.2 J | 0.5 | 0.07 | 1 |
| 11996 | Cyclohexane | 110-82-7 | 0.08 J | 0.5 | 0.05 | 1 |
| 11996 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | 1,1-Dichloroethane | 75-34-3 | 0.07 J | 0.5 | 0.07 | 1 |
| 11996 | 1,2-Dichloroethane | 107-06-2 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | 1,1-Dichloroethene | 75-35-4 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | cis-1,2-Dichloroethene | 156-59-2 | 0.3 J | 0.5 | 0.05 | 1 |
| 11996 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | 1,2-Dichloroethene (Total)[1] | 540-59-0 | 0.3 J | 1.0 | 0.1 | 1 |
| 11996 | Ethylbenzene | 100-41-4 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Isopropylbenzene | 98-82-8 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | 5.0 | 0.7 | 1 |
| 11996 | Methylcyclohexane | 108-87-2 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | Methylene Chloride | 75-09-2 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | Tetrachloroethene | 127-18-4 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Toluene | 108-88-3 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | 1,1,1-Trichloroethane | 71-55-6 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Trichloroethene | 79-01-6 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Vinyl Chloride | 75-01-4 | 0.2 J | 0.5 | 0.1 | 1 |
| 11996 | Xylene (Total) | 1330-20-7 | N.D. | 1.0 | 0.2 | 1 |

## Sample Comments

State of New York Certification No. 10670

[1] = This analyte was not on the laboratory's NYSDOH Scope of Accreditation at the time of analysis.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 11996 | VOCs 8260C | SW-846 8260C 25mL purge | 1 | H193122AA | 11/09/2019 02:00 | Miranda Campbell | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030C | 1 | H193122AA | 11/09/2019 01:59 | Miranda Campbell | 1 |

*=This limit was used in the evaluation of the final result

**Sample Description:** **DM-408S-103119 Grab Groundwater**
**General Electric Schenectady Main Plant**

**Project Name:** **GE Schenectady Main Plant**

Submittal Date/Time: 11/01/2019 11:38
Collection Date/Time: 10/31/2019 14:05
SDG#: SMP16-07

**GE-O'Brien & Gere, Inc.**
**ELLE Sample #: GW 1190305**
**ELLE Group #: 2072223**
**Matrix: Groundwater**

| CAT No. | Analysis Name | CAS Number | Result | Limit of Quantitation* | Method Detection Limit | Dilution Factor |
|---|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260C 25mL purge** | | **ug/l** | **ug/l** | **ug/l** | |
| 11996 | Acetone | 67-64-1 | 3.7 J | 5.0 | 0.9 | 1 |
| 11996 | Benzene | 71-43-2 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | 2-Butanone | 78-93-3 | N.D. | 5.0 | 0.6 | 1 |
| 11996 | Chlorobenzene | 108-90-7 | 9.8 | 0.5 | 0.06 | 1 |
| 11996 | Chloroethane | 75-00-3 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | Cyclohexane | 110-82-7 | 0.2 J | 0.5 | 0.05 | 1 |
| 11996 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | 1,3-Dichlorobenzene | 541-73-1 | 0.1 J | 0.5 | 0.06 | 1 |
| 11996 | 1,4-Dichlorobenzene | 106-46-7 | 0.5 J | 0.5 | 0.07 | 1 |
| 11996 | 1,1-Dichloroethane | 75-34-3 | 0.4 J | 0.5 | 0.07 | 1 |
| 11996 | 1,2-Dichloroethane | 107-06-2 | 0.08 J | 0.5 | 0.05 | 1 |
| 11996 | 1,1-Dichloroethene | 75-35-4 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | cis-1,2-Dichloroethene | 156-59-2 | 0.5 J | 0.5 | 0.05 | 1 |
| 11996 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | 1,2-Dichloroethene (Total)[1] | 540-59-0 | 0.5 J | 1.0 | 0.1 | 1 |
| 11996 | Ethylbenzene | 100-41-4 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Isopropylbenzene | 98-82-8 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | 5.0 | 0.7 | 1 |
| 11996 | Methylcyclohexane | 108-87-2 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | Methylene Chloride | 75-09-2 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | Tetrachloroethene | 127-18-4 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Toluene | 108-88-3 | 0.08 J | 0.5 | 0.07 | 1 |
| 11996 | 1,1,1-Trichloroethane | 71-55-6 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Trichloroethene | 79-01-6 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Vinyl Chloride | 75-01-4 | 2.5 | 0.5 | 0.1 | 1 |
| 11996 | Xylene (Total) | 1330-20-7 | N.D. | 1.0 | 0.2 | 1 |

The referenced method allows a maximum of 20% of the analytes in the calibration to exceed the 20% Drift continuing calibration verification criteria. The reported concentration in the associated sample(s) is considered to be estimated. Therefore the result for the following analyte(s) is estimated:
Acetone.

## Sample Comments

State of New York Certification No. 10670

[1] = This analyte was not on the laboratory's NYSDOH Scope of Accreditation at the time of analysis.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

*=This limit was used in the evaluation of the final result

**Sample Description:** **DM-408S-103119 Grab Groundwater**
**General Electric Schenectady Main Plant**

**Project Name:** **GE Schenectady Main Plant**

Submittal Date/Time: 11/01/2019 11:38
Collection Date/Time: 10/31/2019 14:05
SDG#: SMP16-07

**GE-O'Brien & Gere, Inc.**
**ELLE Sample #: GW 1190305**
**ELLE Group #: 2072223**
**Matrix: Groundwater**

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 11996 | VOCs 8260C | SW-846 8260C 25mL purge | 1 | I193124AA | 11/09/2019 00:38 | Miranda Campbell | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030C | 1 | I193124AA | 11/09/2019 00:37 | Miranda Campbell | 1 |

*=This limit was used in the evaluation of the final result

**Sample Description:** **DM-408I-103119 Grab Groundwater**
**General Electric Schenectady Main Plant**

**Project Name:** **GE Schenectady Main Plant**

Submittal Date/Time: 11/01/2019 11:38
Collection Date/Time: 10/31/2019 14:15
SDG#: SMP16-08

**GE-O'Brien & Gere, Inc.**
**ELLE Sample #: GW 1190306**
**ELLE Group #: 2072223**
**Matrix: Groundwater**

| CAT No. | Analysis Name | CAS Number | Result | Limit of Quantitation* | Method Detection Limit | Dilution Factor |
|---|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260C 25mL purge** | | **ug/l** | **ug/l** | **ug/l** | |
| 11996 | Acetone | 67-64-1 | 2.5 J | 5.0 | 0.9 | 1 |
| 11996 | Benzene | 71-43-2 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | 2-Butanone | 78-93-3 | N.D. | 5.0 | 0.6 | 1 |
| 11996 | Chlorobenzene | 108-90-7 | 0.8 | 0.5 | 0.06 | 1 |
| 11996 | Chloroethane | 75-00-3 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | Cyclohexane | 110-82-7 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | 1,1-Dichloroethane | 75-34-3 | 1.9 | 0.5 | 0.07 | 1 |
| 11996 | 1,2-Dichloroethane | 107-06-2 | 0.2 J | 0.5 | 0.05 | 1 |
| 11996 | 1,1-Dichloroethene | 75-35-4 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | cis-1,2-Dichloroethene | 156-59-2 | 0.2 J | 0.5 | 0.05 | 1 |
| 11996 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | 1,2-Dichloroethene (Total)[1] | 540-59-0 | 0.2 J | 1.0 | 0.1 | 1 |
| 11996 | Ethylbenzene | 100-41-4 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Isopropylbenzene | 98-82-8 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | 5.0 | 0.7 | 1 |
| 11996 | Methylcyclohexane | 108-87-2 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | Methylene Chloride | 75-09-2 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | Tetrachloroethene | 127-18-4 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Toluene | 108-88-3 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | 1,1,1-Trichloroethane | 71-55-6 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Trichloroethene | 79-01-6 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Vinyl Chloride | 75-01-4 | 6.4 | 0.5 | 0.1 | 1 |
| 11996 | Xylene (Total) | 1330-20-7 | N.D. | 1.0 | 0.2 | 1 |

The referenced method allows a maximum of 20% of the analytes in the calibration to exceed the 20% Drift continuing calibration verification criteria. The reported concentration in the associated sample(s) is considered to be estimated. Therefore the result for the following analyte(s) is estimated:
Acetone.

## Sample Comments

State of New York Certification No. 10670

[1] = This analyte was not on the laboratory's NYSDOH Scope of Accreditation at the time of analysis.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

*=This limit was used in the evaluation of the final result

**Sample Description:** **DM-408I-103119 Grab Groundwater**
**General Electric Schenectady Main Plant**

**Project Name:** **GE Schenectady Main Plant**

Submittal Date/Time: 11/01/2019 11:38
Collection Date/Time: 10/31/2019 14:15
SDG#: SMP16-08

**GE-O'Brien & Gere, Inc.**
**ELLE Sample #: GW 1190306**
**ELLE Group #: 2072223**
**Matrix: Groundwater**

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 11996 | VOCs 8260C | SW-846 8260C 25mL purge | 1 | I193124AA | 11/09/2019 00:59 | Miranda Campbell | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030C | 1 | I193124AA | 11/09/2019 00:58 | Miranda Campbell | 1 |

*=This limit was used in the evaluation of the final result

**Sample Description:** **DM-444CF(2)-103119 Grab Groundwater**
**General Electric Schenectady Main Plant**

**Project Name:** **GE Schenectady Main Plant**

Submittal Date/Time: 11/01/2019 11:38
Collection Date/Time: 10/31/2019 14:25
SDG#: SMP16-09

**GE-O'Brien & Gere, Inc.**
**ELLE Sample #: GW 1190307**
**ELLE Group #: 2072223**
**Matrix: Groundwater**

| CAT No. | Analysis Name | CAS Number | Result | Limit of Quantitation* | Method Detection Limit | Dilution Factor |
|---|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260C 25mL purge** | | **ug/l** | **ug/l** | **ug/l** | |
| 11996 | Acetone | 67-64-1 | 2.2 J | 5.0 | 0.9 | 1 |
| 11996 | Benzene | 71-43-2 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | 2-Butanone | 78-93-3 | N.D. | 5.0 | 0.6 | 1 |
| 11996 | Chlorobenzene | 108-90-7 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Chloroethane | 75-00-3 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | Cyclohexane | 110-82-7 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | 1,1-Dichloroethane | 75-34-3 | 1.0 | 0.5 | 0.07 | 1 |
| 11996 | 1,2-Dichloroethane | 107-06-2 | 0.09 J | 0.5 | 0.05 | 1 |
| 11996 | 1,1-Dichloroethene | 75-35-4 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | cis-1,2-Dichloroethene | 156-59-2 | 0.05 J | 0.5 | 0.05 | 1 |
| 11996 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | 1,2-Dichloroethene (Total)[1] | 540-59-0 | N.D. | 1.0 | 0.1 | 1 |
| 11996 | Ethylbenzene | 100-41-4 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Isopropylbenzene | 98-82-8 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | 5.0 | 0.7 | 1 |
| 11996 | Methylcyclohexane | 108-87-2 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | Methylene Chloride | 75-09-2 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | Tetrachloroethene | 127-18-4 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Toluene | 108-88-3 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | 1,1,1-Trichloroethane | 71-55-6 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Trichloroethene | 79-01-6 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Vinyl Chloride | 75-01-4 | 0.2 J | 0.5 | 0.1 | 1 |
| 11996 | Xylene (Total) | 1330-20-7 | N.D. | 1.0 | 0.2 | 1 |

The referenced method allows a maximum of 20% of the analytes in the calibration to exceed the 20% Drift continuing calibration verification criteria. The reported concentration in the associated sample(s) is considered to be estimated. Therefore the result for the following analyte(s) is estimated:
Acetone.

## Sample Comments

State of New York Certification No. 10670

[1] = This analyte was not on the laboratory's NYSDOH Scope of Accreditation at the time of analysis.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

*=This limit was used in the evaluation of the final result

**Sample Description:** **DM-444CF(2)-103119 Grab Groundwater**
**General Electric Schenectady Main Plant**

**Project Name:** **GE Schenectady Main Plant**

Submittal Date/Time: 11/01/2019 11:38
Collection Date/Time: 10/31/2019 14:25
SDG#: SMP16-09

**GE-O'Brien & Gere, Inc.**
**ELLE Sample #: GW 1190307**
**ELLE Group #: 2072223**
**Matrix: Groundwater**

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 11996 | VOCs 8260C | SW-846 8260C 25mL purge | 1 | I193124AA | 11/09/2019 01:21 | Miranda Campbell | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030C | 1 | I193124AA | 11/09/2019 01:20 | Miranda Campbell | 1 |

*=This limit was used in the evaluation of the final result

**Sample Description:** **DM-442CF(1)-103119 Grab Groundwater**
**General Electric Schenectady Main Plant**

**Project Name:** **GE Schenectady Main Plant**

Submittal Date/Time: 11/01/2019 11:38
Collection Date/Time: 10/31/2019 14:35
SDG#: SMP16-10

**GE-O'Brien & Gere, Inc.**
**ELLE Sample #: GW 1190308**
**ELLE Group #: 2072223**
**Matrix: Groundwater**

| CAT No. | Analysis Name | CAS Number | Result | Limit of Quantitation* | Method Detection Limit | Dilution Factor |
|---|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260C 25mL purge** | | **ug/l** | **ug/l** | **ug/l** | |
| 11996 | Acetone | 67-64-1 | 3.2 J | 5.0 | 0.9 | 1 |
| 11996 | Benzene | 71-43-2 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | 2-Butanone | 78-93-3 | N.D. | 5.0 | 0.6 | 1 |
| 11996 | Chlorobenzene | 108-90-7 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Chloroethane | 75-00-3 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | Cyclohexane | 110-82-7 | 0.07 J | 0.5 | 0.05 | 1 |
| 11996 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | 1,1-Dichloroethane | 75-34-3 | 0.3 J | 0.5 | 0.07 | 1 |
| 11996 | 1,2-Dichloroethane | 107-06-2 | 0.08 J | 0.5 | 0.05 | 1 |
| 11996 | 1,1-Dichloroethene | 75-35-4 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | cis-1,2-Dichloroethene | 156-59-2 | 0.7 | 0.5 | 0.05 | 1 |
| 11996 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | 1,2-Dichloroethene (Total)[1] | 540-59-0 | 0.7 J | 1.0 | 0.1 | 1 |
| 11996 | Ethylbenzene | 100-41-4 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Isopropylbenzene | 98-82-8 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | 5.0 | 0.7 | 1 |
| 11996 | Methylcyclohexane | 108-87-2 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | Methylene Chloride | 75-09-2 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | Tetrachloroethene | 127-18-4 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Toluene | 108-88-3 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | 1,1,1-Trichloroethane | 71-55-6 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Trichloroethene | 79-01-6 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Vinyl Chloride | 75-01-4 | 8.6 | 0.5 | 0.1 | 1 |
| 11996 | Xylene (Total) | 1330-20-7 | N.D. | 1.0 | 0.2 | 1 |

The referenced method allows a maximum of 20% of the analytes in the calibration to exceed the 20% Drift continuing calibration verification criteria. The reported concentration in the associated sample(s) is considered to be estimated. Therefore the result for the following analyte(s) is estimated:
Acetone.

## Sample Comments

State of New York Certification No. 10670

[1] = This analyte was not on the laboratory's NYSDOH Scope of Accreditation at the time of analysis.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

*=This limit was used in the evaluation of the final result

**Sample Description:** **DM-442CF(1)-103119 Grab Groundwater**
**General Electric Schenectady Main Plant**

**Project Name:** **GE Schenectady Main Plant**

Submittal Date/Time: 11/01/2019 11:38
Collection Date/Time: 10/31/2019 14:35
SDG#: SMP16-10

**GE-O'Brien & Gere, Inc.**
**ELLE Sample #: GW 1190308**
**ELLE Group #: 2072223**
**Matrix: Groundwater**

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 11996 | VOCs 8260C | SW-846 8260C 25mL purge | 1 | I193124AA | 11/09/2019 01:42 | Miranda Campbell | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030C | 1 | I193124AA | 11/09/2019 01:41 | Miranda Campbell | 1 |

*=This limit was used in the evaluation of the final result

**Sample Description:** **DM-443CF(2)-103119 Grab Groundwater**
**General Electric Schenectady Main Plant**

**Project Name:** **GE Schenectady Main Plant**

Submittal Date/Time: 11/01/2019 11:38
Collection Date/Time: 10/31/2019 14:45
SDG#: SMP16-11

**GE-O'Brien & Gere, Inc.**
**ELLE Sample #: GW 1190309**
**ELLE Group #: 2072223**
**Matrix: Groundwater**

| CAT No. | Analysis Name | CAS Number | Result | Limit of Quantitation* | Method Detection Limit | Dilution Factor |
|---|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260C 25mL purge** | | **ug/l** | **ug/l** | **ug/l** | |
| 11996 | Acetone | 67-64-1 | 2.9 J | 5.0 | 0.9 | 1 |
| 11996 | Benzene | 71-43-2 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | 2-Butanone | 78-93-3 | N.D. | 5.0 | 0.6 | 1 |
| 11996 | Chlorobenzene | 108-90-7 | 5.8 | 0.5 | 0.06 | 1 |
| 11996 | Chloroethane | 75-00-3 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | Cyclohexane | 110-82-7 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | 1,1-Dichloroethane | 75-34-3 | 0.5 J | 0.5 | 0.07 | 1 |
| 11996 | 1,2-Dichloroethane | 107-06-2 | 0.1 J | 0.5 | 0.05 | 1 |
| 11996 | 1,1-Dichloroethene | 75-35-4 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | cis-1,2-Dichloroethene | 156-59-2 | 0.7 | 0.5 | 0.05 | 1 |
| 11996 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | 1,2-Dichloroethene (Total)[1] | 540-59-0 | 0.7 J | 1.0 | 0.1 | 1 |
| 11996 | Ethylbenzene | 100-41-4 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Isopropylbenzene | 98-82-8 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | 5.0 | 0.7 | 1 |
| 11996 | Methylcyclohexane | 108-87-2 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | Methylene Chloride | 75-09-2 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | Tetrachloroethene | 127-18-4 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Toluene | 108-88-3 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | 1,1,1-Trichloroethane | 71-55-6 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Trichloroethene | 79-01-6 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Vinyl Chloride | 75-01-4 | 3.5 | 0.5 | 0.1 | 1 |
| 11996 | Xylene (Total) | 1330-20-7 | N.D. | 1.0 | 0.2 | 1 |

The referenced method allows a maximum of 20% of the analytes in the calibration to exceed the 20% Drift continuing calibration verification criteria. The reported concentration in the associated sample(s) is considered to be estimated. Therefore the result for the following analyte(s) is estimated:
Acetone.

## Sample Comments

State of New York Certification No. 10670

[1] = This analyte was not on the laboratory's NYSDOH Scope of Accreditation at the time of analysis.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|

*=This limit was used in the evaluation of the final result

**Sample Description:** **DM-443CF(2)-103119 Grab Groundwater**
**General Electric Schenectady Main Plant**

**Project Name:** **GE Schenectady Main Plant**

Submittal Date/Time: 11/01/2019 11:38
Collection Date/Time: 10/31/2019 14:45
SDG#: SMP16-11

**GE-O'Brien & Gere, Inc.**
**ELLE Sample #: GW 1190309**
**ELLE Group #: 2072223**
**Matrix: Groundwater**

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 11996 | VOCs 8260C | SW-846 8260C 25mL purge | 1 | I193124AA | 11/09/2019 02:03 | Miranda Campbell | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030C | 1 | I193124AA | 11/09/2019 02:02 | Miranda Campbell | 1 |

*=This limit was used in the evaluation of the final result

**Sample Description:** **DM-408F-103119 Grab Groundwater**
**General Electric Schenectady Main Plant**

**Project Name:** **GE Schenectady Main Plant**

Submittal Date/Time: 11/01/2019 11:38
Collection Date/Time: 10/31/2019 14:50
SDG#: SMP16-12

**GE-O'Brien & Gere, Inc.**
**ELLE Sample #: GW 1190310**
**ELLE Group #: 2072223**
**Matrix: Groundwater**

| CAT No. | Analysis Name | CAS Number | Result | Limit of Quantitation* | Method Detection Limit | Dilution Factor |
|---|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260C 25mL purge** | | **ug/l** | **ug/l** | **ug/l** | |
| 11996 | Acetone | 67-64-1 | N.D. | 5.0 | 0.9 | 1 |
| 11996 | Benzene | 71-43-2 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | 2-Butanone | 78-93-3 | N.D. | 5.0 | 0.6 | 1 |
| 11996 | Chlorobenzene | 108-90-7 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Chloroethane | 75-00-3 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | Cyclohexane | 110-82-7 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | 1,1-Dichloroethane | 75-34-3 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | 1,2-Dichloroethane | 107-06-2 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | 1,1-Dichloroethene | 75-35-4 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | 1,2-Dichloroethene (Total)[1] | 540-59-0 | N.D. | 1.0 | 0.1 | 1 |
| 11996 | Ethylbenzene | 100-41-4 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Isopropylbenzene | 98-82-8 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | 5.0 | 0.7 | 1 |
| 11996 | Methylcyclohexane | 108-87-2 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | Methylene Chloride | 75-09-2 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | Tetrachloroethene | 127-18-4 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Toluene | 108-88-3 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | 1,1,1-Trichloroethane | 71-55-6 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Trichloroethene | 79-01-6 | 0.07 J | 0.5 | 0.06 | 1 |
| 11996 | Vinyl Chloride | 75-01-4 | N.D. | 0.5 | 0.1 | 1 |
| 11996 | Xylene (Total) | 1330-20-7 | N.D. | 1.0 | 0.2 | 1 |

## Sample Comments

State of New York Certification No. 10670

[1] = This analyte was not on the laboratory's NYSDOH Scope of Accreditation at the time of analysis.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 11996 | VOCs 8260C | SW-846 8260C 25mL purge | 1 | G193142AA | 11/10/2019 21:04 | Don V Viray | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030C | 1 | G193142AA | 11/10/2019 21:03 | Don V Viray | 1 |

*=This limit was used in the evaluation of the final result

**Sample Description:** **DM-441S-103119 Grab Groundwater**
**General Electric Schenectady Main Plant**

**Project Name:** **GE Schenectady Main Plant**

Submittal Date/Time: 11/01/2019 11:38
Collection Date/Time: 10/31/2019 15:00
SDG#: SMP16-13

**GE-O'Brien & Gere, Inc.**
**ELLE Sample #: GW 1190311**
**ELLE Group #: 2072223**
**Matrix: Groundwater**

| CAT No. | Analysis Name | CAS Number | Result | Limit of Quantitation* | Method Detection Limit | Dilution Factor |
|---|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260C 25mL purge** | | **ug/l** | **ug/l** | **ug/l** | |
| 11996 | Acetone | 67-64-1 | 3.3 J | 5.0 | 0.9 | 1 |
| 11996 | Benzene | 71-43-2 | 0.1 J | 0.5 | 0.05 | 1 |
| 11996 | 2-Butanone | 78-93-3 | N.D. | 5.0 | 0.6 | 1 |
| 11996 | Chlorobenzene | 108-90-7 | 5.0 | 0.5 | 0.06 | 1 |
| 11996 | Chloroethane | 75-00-3 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | Cyclohexane | 110-82-7 | 0.05 J | 0.5 | 0.05 | 1 |
| 11996 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | 1,3-Dichlorobenzene | 541-73-1 | 0.9 | 0.5 | 0.06 | 1 |
| 11996 | 1,4-Dichlorobenzene | 106-46-7 | 3.9 | 0.5 | 0.07 | 1 |
| 11996 | 1,1-Dichloroethane | 75-34-3 | 0.3 J | 0.5 | 0.07 | 1 |
| 11996 | 1,2-Dichloroethane | 107-06-2 | 0.1 J | 0.5 | 0.05 | 1 |
| 11996 | 1,1-Dichloroethene | 75-35-4 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | cis-1,2-Dichloroethene | 156-59-2 | 1.0 | 0.5 | 0.05 | 1 |
| 11996 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | 1,2-Dichloroethene (Total)[1] | 540-59-0 | 1.0 | 1.0 | 0.1 | 1 |
| 11996 | Ethylbenzene | 100-41-4 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Isopropylbenzene | 98-82-8 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | 5.0 | 0.7 | 1 |
| 11996 | Methylcyclohexane | 108-87-2 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | Methylene Chloride | 75-09-2 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | Tetrachloroethene | 127-18-4 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Toluene | 108-88-3 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | 1,1,1-Trichloroethane | 71-55-6 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Trichloroethene | 79-01-6 | 0.06 J | 0.5 | 0.06 | 1 |
| 11996 | Vinyl Chloride | 75-01-4 | 18 | 0.5 | 0.1 | 1 |
| 11996 | Xylene (Total) | 1330-20-7 | N.D. | 1.0 | 0.2 | 1 |

## Sample Comments

State of New York Certification No. 10670

[1] = This analyte was not on the laboratory's NYSDOH Scope of Accreditation at the time of analysis.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 11996 | VOCs 8260C | SW-846 8260C 25mL purge | 1 | G193142AA | 11/10/2019 21:26 | Don V Viray | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030C | 1 | G193142AA | 11/10/2019 21:25 | Don V Viray | 1 |

*=This limit was used in the evaluation of the final result

**Sample Description:** **X-03-103119 Grab Groundwater**
**General Electric Schenectady Main Plant**

**Project Name:** **GE Schenectady Main Plant**

Submittal Date/Time: 11/01/2019 11:38
Collection Date/Time: 10/31/2019
SDG#: SMP16-14FD

**GE-O'Brien & Gere, Inc.**
**ELLE Sample #: GW 1190312**
**ELLE Group #: 2072223**
**Matrix: Groundwater**

| CAT No. | Analysis Name | CAS Number | Result | Limit of Quantitation* | Method Detection Limit | Dilution Factor |
|---|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260C 25mL purge** | | **ug/l** | **ug/l** | **ug/l** | |
| 11996 | Acetone | 67-64-1 | N.D. | 5.0 | 0.9 | 1 |
| 11996 | Benzene | 71-43-2 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | 2-Butanone | 78-93-3 | N.D. | 5.0 | 0.6 | 1 |
| 11996 | Chlorobenzene | 108-90-7 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Chloroethane | 75-00-3 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | Cyclohexane | 110-82-7 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | 1,1-Dichloroethane | 75-34-3 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | 1,2-Dichloroethane | 107-06-2 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | 1,1-Dichloroethene | 75-35-4 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | 1,2-Dichloroethene (Total)[1] | 540-59-0 | N.D. | 1.0 | 0.1 | 1 |
| 11996 | Ethylbenzene | 100-41-4 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Isopropylbenzene | 98-82-8 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | 5.0 | 0.7 | 1 |
| 11996 | Methylcyclohexane | 108-87-2 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | Methylene Chloride | 75-09-2 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | Tetrachloroethene | 127-18-4 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Toluene | 108-88-3 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | 1,1,1-Trichloroethane | 71-55-6 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Trichloroethene | 79-01-6 | 0.08 J | 0.5 | 0.06 | 1 |
| 11996 | Vinyl Chloride | 75-01-4 | N.D. | 0.5 | 0.1 | 1 |
| 11996 | Xylene (Total) | 1330-20-7 | N.D. | 1.0 | 0.2 | 1 |

## Sample Comments

State of New York Certification No. 10670

[1] = This analyte was not on the laboratory's NYSDOH Scope of Accreditation at the time of analysis.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 11996 | VOCs 8260C | SW-846 8260C 25mL purge | 1 | G193142AA | 11/10/2019 21:48 | Don V Viray | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030C | 1 | G193142AA | 11/10/2019 21:47 | Don V Viray | 1 |

*=This limit was used in the evaluation of the final result

**Sample Description:** **TB-05-103119 Water**
**General Electric Schenectady Main Plant**

**Project Name:** **GE Schenectady Main Plant**

Submittal Date/Time: 11/01/2019 11:38
Collection Date/Time: 10/31/2019
SDG#: SMP16-15TB

**GE-O'Brien & Gere, Inc.**
**ELLE Sample #: GW 1190313**
**ELLE Group #: 2072223**
**Matrix: Water**

| CAT No. | Analysis Name | CAS Number | Result | Limit of Quantitation* | Method Detection Limit | Dilution Factor |
|---|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260C 25mL purge** | | **ug/l** | **ug/l** | **ug/l** | |
| 11996 | Acetone | 67-64-1 | N.D. | 5.0 | 0.9 | 1 |
| 11996 | Benzene | 71-43-2 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | 2-Butanone | 78-93-3 | N.D. | 5.0 | 0.6 | 1 |
| 11996 | Chlorobenzene | 108-90-7 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Chloroethane | 75-00-3 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | Cyclohexane | 110-82-7 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | 1,1-Dichloroethane | 75-34-3 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | 1,2-Dichloroethane | 107-06-2 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | 1,1-Dichloroethene | 75-35-4 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | 1,2-Dichloroethene (Total)[1] | 540-59-0 | N.D. | 1.0 | 0.1 | 1 |
| 11996 | Ethylbenzene | 100-41-4 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Isopropylbenzene | 98-82-8 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | 5.0 | 0.7 | 1 |
| 11996 | Methylcyclohexane | 108-87-2 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | Methylene Chloride | 75-09-2 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | Tetrachloroethene | 127-18-4 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Toluene | 108-88-3 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | 1,1,1-Trichloroethane | 71-55-6 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Trichloroethene | 79-01-6 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Vinyl Chloride | 75-01-4 | N.D. | 0.5 | 0.1 | 1 |
| 11996 | Xylene (Total) | 1330-20-7 | N.D. | 1.0 | 0.2 | 1 |

## Sample Comments

State of New York Certification No. 10670

[1] = This analyte was not on the laboratory's NYSDOH Scope of Accreditation at the time of analysis.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 11996 | VOCs 8260C | SW-846 8260C 25mL purge | 1 | G193142AA | 11/10/2019 18:29 | Don V Viray | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030C | 1 | G193142AA | 11/10/2019 18:28 | Don V Viray | 1 |

*=This limit was used in the evaluation of the final result

**Sample Description:** **DM-304I-103119 Grab Groundwater**
**General Electric Schenectady Main Plant**

**Project Name:** **GE Schenectady Main Plant**

Submittal Date/Time: 11/01/2019 11:38
Collection Date/Time: 10/31/2019 10:25
SDG#: SMP16-16

**GE-O'Brien & Gere, Inc.**
**ELLE Sample #: GW 1190433**
**ELLE Group #: 2072223**
**Matrix: Groundwater**

| CAT No. | Analysis Name | CAS Number | Result | Limit of Quantitation* | Method Detection Limit | Dilution Factor |
|---|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260C 25mL purge** | | **ug/l** | **ug/l** | **ug/l** | |
| 11996 | Acetone | 67-64-1 | 2.1 J | 5.0 | 0.9 | 1 |
| 11996 | Benzene | 71-43-2 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | 2-Butanone | 78-93-3 | N.D. | 5.0 | 0.6 | 1 |
| 11996 | Chlorobenzene | 108-90-7 | 0.3 J | 0.5 | 0.06 | 1 |
| 11996 | Chloroethane | 75-00-3 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | Cyclohexane | 110-82-7 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | 1,1-Dichloroethane | 75-34-3 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | 1,2-Dichloroethane | 107-06-2 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | 1,1-Dichloroethene | 75-35-4 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | cis-1,2-Dichloroethene | 156-59-2 | 0.5 J | 0.5 | 0.05 | 1 |
| 11996 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | 1,2-Dichloroethene (Total)[1] | 540-59-0 | 0.5 J | 1.0 | 0.1 | 1 |
| 11996 | Ethylbenzene | 100-41-4 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Isopropylbenzene | 98-82-8 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | 5.0 | 0.7 | 1 |
| 11996 | Methylcyclohexane | 108-87-2 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | Methylene Chloride | 75-09-2 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | Tetrachloroethene | 127-18-4 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Toluene | 108-88-3 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | 1,1,1-Trichloroethane | 71-55-6 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Trichloroethene | 79-01-6 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Vinyl Chloride | 75-01-4 | 0.6 | 0.5 | 0.1 | 1 |
| 11996 | Xylene (Total) | 1330-20-7 | N.D. | 1.0 | 0.2 | 1 |

## Sample Comments

State of New York Certification No. 10670

[1] = This analyte was not on the laboratory's NYSDOH Scope of Accreditation at the time of analysis.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 11996 | VOCs 8260C | SW-846 8260C 25mL purge | 1 | G193142AA | 11/10/2019 22:32 | Don V Viray | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030C | 1 | G193142AA | 11/10/2019 22:31 | Don V Viray | 1 |

*=This limit was used in the evaluation of the final result

**Sample Description:** **GE-10-103019 Grab Groundwater**
**General Electric Schenectady Main Plant**

**Project Name:** **GE Schenectady Main Plant**

Submittal Date/Time: 11/01/2019 11:38
Collection Date/Time: 10/30/2019 15:15
SDG#: SMP16-01

**GE-O'Brien & Gere, Inc.**
**ELLE Sample #: GW 1190322**
**ELLE Group #: 2072228**
**Matrix: Groundwater**

| CAT No. | Analysis Name | CAS Number | Result | Limit of Quantitation* | Method Detection Limit | Dilution Factor |
|---|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260C 25mL purge** | | **ug/l** | **ug/l** | **ug/l** | |
| 11996 | Acetone | 67-64-1 | N.D. | 5.0 | 0.9 | 1 |
| 11996 | Benzene | 71-43-2 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | 2-Butanone | 78-93-3 | N.D. | 5.0 | 0.6 | 1 |
| 11996 | Chlorobenzene | 108-90-7 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Chloroethane | 75-00-3 | 0.1 J | 0.5 | 0.07 | 1 |
| 11996 | Cyclohexane | 110-82-7 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | 1,1-Dichloroethane | 75-34-3 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | 1,2-Dichloroethane | 107-06-2 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | 1,1-Dichloroethene | 75-35-4 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | cis-1,2-Dichloroethene | 156-59-2 | 5.1 | 0.5 | 0.05 | 1 |
| 11996 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | 1,2-Dichloroethene (Total)[1] | 540-59-0 | 5.1 | 1.0 | 0.1 | 1 |
| 11996 | Ethylbenzene | 100-41-4 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Isopropylbenzene | 98-82-8 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | 5.0 | 0.7 | 1 |
| 11996 | Methylcyclohexane | 108-87-2 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | Methylene Chloride | 75-09-2 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | Tetrachloroethene | 127-18-4 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Toluene | 108-88-3 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | 1,1,1-Trichloroethane | 71-55-6 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Trichloroethene | 79-01-6 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Vinyl Chloride | 75-01-4 | 11 | 0.5 | 0.1 | 1 |
| 11996 | Xylene (Total) | 1330-20-7 | N.D. | 1.0 | 0.2 | 1 |

## Sample Comments

State of New York Certification No. 10670

[1] = This analyte was not on the laboratory's NYSDOH Scope of Accreditation at the time of analysis.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 11996 | VOCs 8260C | SW-846 8260C 25mL purge | 1 | G193142AA | 11/10/2019 22:10 | Don V Viray | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030C | 1 | G193142AA | 11/10/2019 22:09 | Don V Viray | 1 |

*=This limit was used in the evaluation of the final result

**Sample Description:** **DM-302S-103119 Grab Groundwater**
**General Electric Schenectady Main Plant**

**Project Name:** **GE Schenectady Main Plant**

Submittal Date/Time: 11/01/2019 11:38
Collection Date/Time: 10/31/2019 10:00
SDG#: SMP16-02BKG

**GE-O'Brien & Gere, Inc.**
**ELLE Sample #: GW 1190323**
**ELLE Group #: 2072228**
**Matrix: Groundwater**

| CAT No. | Analysis Name | CAS Number | Result | Limit of Quantitation* | Method Detection Limit | Dilution Factor |
|---|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260C 25mL purge** | | **ug/l** | **ug/l** | **ug/l** | |
| 11996 | Acetone | 67-64-1 | 2.8 J | 5.0 | 0.9 | 1 |
| 11996 | Benzene | 71-43-2 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | 2-Butanone | 78-93-3 | N.D. | 5.0 | 0.6 | 1 |
| 11996 | Chlorobenzene | 108-90-7 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Chloroethane | 75-00-3 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | Cyclohexane | 110-82-7 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | 1,3-Dichlorobenzene | 541-73-1 | 0.1 J | 0.5 | 0.06 | 1 |
| 11996 | 1,4-Dichlorobenzene | 106-46-7 | 0.7 | 0.5 | 0.07 | 1 |
| 11996 | 1,1-Dichloroethane | 75-34-3 | 0.2 J | 0.5 | 0.07 | 1 |
| 11996 | 1,2-Dichloroethane | 107-06-2 | 0.1 J | 0.5 | 0.05 | 1 |
| 11996 | 1,1-Dichloroethene | 75-35-4 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | cis-1,2-Dichloroethene | 156-59-2 | 2.1 | 0.5 | 0.05 | 1 |
| 11996 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | 1,2-Dichloroethene (Total)[1] | 540-59-0 | 2.1 | 1.0 | 0.1 | 1 |
| 11996 | Ethylbenzene | 100-41-4 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Isopropylbenzene | 98-82-8 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | 5.0 | 0.7 | 1 |
| 11996 | Methylcyclohexane | 108-87-2 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | Methylene Chloride | 75-09-2 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | Tetrachloroethene | 127-18-4 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Toluene | 108-88-3 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | 1,1,1-Trichloroethane | 71-55-6 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Trichloroethene | 79-01-6 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Vinyl Chloride | 75-01-4 | 3.0 | 0.5 | 0.1 | 1 |
| 11996 | Xylene (Total) | 1330-20-7 | N.D. | 1.0 | 0.2 | 1 |

## Sample Comments

State of New York Certification No. 10670

[1] = This analyte was not on the laboratory's NYSDOH Scope of Accreditation at the time of analysis.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 11996 | VOCs 8260C | SW-846 8260C 25mL purge | 1 | G193142AA | 11/10/2019 19:58 | Don V Viray | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030C | 1 | G193142AA | 11/10/2019 19:57 | Don V Viray | 1 |

*=This limit was used in the evaluation of the final result

**Sample Description:** **DM-408FP-110119 Grab Groundwater**
**General Electric Schenectady Main Plant**

**Project Name:** **GE Schenectady Main Plant**

Submittal Date/Time: 11/02/2019 10:14
Collection Date/Time: 11/01/2019 10:40
SDG#: SMP16-17

**GE-O'Brien & Gere, Inc.**
**ELLE Sample #: GW 1191488**
**ELLE Group #: 2072449**
**Matrix: Groundwater**

| CAT No. | Analysis Name | CAS Number | Result | Limit of Quantitation* | Method Detection Limit | Dilution Factor |
|---|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260C 25mL purge** | | **ug/l** | **ug/l** | **ug/l** | |
| 11996 | Acetone | 67-64-1 | 2.7 J | 5.0 | 0.9 | 1 |
| 11996 | Benzene | 71-43-2 | 0.06 J | 0.5 | 0.05 | 1 |
| 11996 | 2-Butanone | 78-93-3 | N.D. | 5.0 | 0.6 | 1 |
| 11996 | Chlorobenzene | 108-90-7 | 0.08 J | 0.5 | 0.06 | 1 |
| 11996 | Chloroethane | 75-00-3 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | Cyclohexane | 110-82-7 | 3.2 | 0.5 | 0.05 | 1 |
| 11996 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | 1,1-Dichloroethane | 75-34-3 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | 1,2-Dichloroethane | 107-06-2 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | 1,1-Dichloroethene | 75-35-4 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | cis-1,2-Dichloroethene | 156-59-2 | 0.4 J | 0.5 | 0.05 | 1 |
| 11996 | trans-1,2-Dichloroethene | 156-60-5 | 0.2 J | 0.5 | 0.06 | 1 |
| 11996 | 1,2-Dichloroethene (Total)[1] | 540-59-0 | 0.6 J | 1.0 | 0.1 | 1 |
| 11996 | Ethylbenzene | 100-41-4 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Isopropylbenzene | 98-82-8 | 2.4 | 0.5 | 0.05 | 1 |
| 11996 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | 5.0 | 0.7 | 1 |
| 11996 | Methylcyclohexane | 108-87-2 | 1.2 | 0.5 | 0.05 | 1 |
| 11996 | Methylene Chloride | 75-09-2 | 0.08 J | 0.5 | 0.07 | 1 |
| 11996 | Tetrachloroethene | 127-18-4 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Toluene | 108-88-3 | 0.2 J | 0.5 | 0.07 | 1 |
| 11996 | 1,1,1-Trichloroethane | 71-55-6 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Trichloroethene | 79-01-6 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Vinyl Chloride | 75-01-4 | N.D. | 0.5 | 0.1 | 1 |
| 11996 | Xylene (Total) | 1330-20-7 | N.D. | 1.0 | 0.2 | 1 |

## Sample Comments

State of New York Certification No. 10670

[1] = This analyte was not on the laboratory's NYSDOH Scope of Accreditation at the time of analysis.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 11996 | VOCs 8260C | SW-846 8260C 25mL purge | 1 | H193141AA | 11/10/2019 17:04 | Don V Viray | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030C | 1 | H193141AA | 11/10/2019 17:03 | Don V Viray | 1 |

*=This limit was used in the evaluation of the final result

**Sample Description:** **DM-419CF-110119 Grab Groundwater**
**General Electric Schenectady Main Plant**

**Project Name:** **GE Schenectady Main Plant**

Submittal Date/Time: 11/02/2019 10:14
Collection Date/Time: 11/01/2019 11:00
SDG#: SMP16-18

**GE-O'Brien & Gere, Inc.**
**ELLE Sample #: GW 1191489**
**ELLE Group #: 2072449**
**Matrix: Groundwater**

| CAT No. | Analysis Name | CAS Number | Result | Limit of Quantitation* | Method Detection Limit | Dilution Factor |
|---|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260C 25mL purge** | | **ug/l** | **ug/l** | **ug/l** | |
| 11996 | Acetone | 67-64-1 | 2.6 J | 5.0 | 0.9 | 1 |
| 11996 | Benzene | 71-43-2 | 0.1 J | 0.5 | 0.05 | 1 |
| 11996 | 2-Butanone | 78-93-3 | N.D. | 5.0 | 0.6 | 1 |
| 11996 | Chlorobenzene | 108-90-7 | 1.5 | 0.5 | 0.06 | 1 |
| 11996 | Chloroethane | 75-00-3 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | Cyclohexane | 110-82-7 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | 1,1-Dichloroethane | 75-34-3 | 0.5 | 0.5 | 0.07 | 1 |
| 11996 | 1,2-Dichloroethane | 107-06-2 | 0.09 J | 0.5 | 0.05 | 1 |
| 11996 | 1,1-Dichloroethene | 75-35-4 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | cis-1,2-Dichloroethene | 156-59-2 | 1.1 | 0.5 | 0.05 | 1 |
| 11996 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | 1,2-Dichloroethene (Total)[1] | 540-59-0 | 1.1 | 1.0 | 0.1 | 1 |
| 11996 | Ethylbenzene | 100-41-4 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Isopropylbenzene | 98-82-8 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | 5.0 | 0.7 | 1 |
| 11996 | Methylcyclohexane | 108-87-2 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | Methylene Chloride | 75-09-2 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | Tetrachloroethene | 127-18-4 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Toluene | 108-88-3 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | 1,1,1-Trichloroethane | 71-55-6 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Trichloroethene | 79-01-6 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Vinyl Chloride | 75-01-4 | 7.8 | 0.5 | 0.1 | 1 |
| 11996 | Xylene (Total) | 1330-20-7 | N.D. | 1.0 | 0.2 | 1 |

## Sample Comments

State of New York Certification No. 10670

[1] = This analyte was not on the laboratory's NYSDOH Scope of Accreditation at the time of analysis.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 11996 | VOCs 8260C | SW-846 8260C 25mL purge | 1 | H193141AA | 11/10/2019 17:25 | Don V Viray | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030C | 1 | H193141AA | 11/10/2019 17:24 | Don V Viray | 1 |

*=This limit was used in the evaluation of the final result

**Sample Description:** **DM-418FP-110119 Grab Groundwater**
**General Electric Schenectady Main Plant**

**Project Name:** **GE Schenectady Main Plant**

Submittal Date/Time: 11/02/2019 10:14
Collection Date/Time: 11/01/2019 11:15
SDG#: SMP16-19

**GE-O'Brien & Gere, Inc.**
**ELLE Sample #: GW 1191490**
**ELLE Group #: 2072449**
**Matrix: Groundwater**

| CAT No. | Analysis Name | CAS Number | Result | Limit of Quantitation* | Method Detection Limit | Dilution Factor |
|---|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260C 25mL purge** | | **ug/l** | **ug/l** | **ug/l** | |
| 11996 | Acetone | 67-64-1 | 2.1 J | 5.0 | 0.9 | 1 |
| 11996 | Benzene | 71-43-2 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | 2-Butanone | 78-93-3 | N.D. | 5.0 | 0.6 | 1 |
| 11996 | Chlorobenzene | 108-90-7 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Chloroethane | 75-00-3 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | Cyclohexane | 110-82-7 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | 1,1-Dichloroethane | 75-34-3 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | 1,2-Dichloroethane | 107-06-2 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | 1,1-Dichloroethene | 75-35-4 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | cis-1,2-Dichloroethene | 156-59-2 | 0.4 J | 0.5 | 0.05 | 1 |
| 11996 | trans-1,2-Dichloroethene | 156-60-5 | 0.3 J | 0.5 | 0.06 | 1 |
| 11996 | 1,2-Dichloroethene (Total)[1] | 540-59-0 | 0.8 J | 1.0 | 0.1 | 1 |
| 11996 | Ethylbenzene | 100-41-4 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Isopropylbenzene | 98-82-8 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | 5.0 | 0.7 | 1 |
| 11996 | Methylcyclohexane | 108-87-2 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | Methylene Chloride | 75-09-2 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | Tetrachloroethene | 127-18-4 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Toluene | 108-88-3 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | 1,1,1-Trichloroethane | 71-55-6 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Trichloroethene | 79-01-6 | 7.6 | 0.5 | 0.06 | 1 |
| 11996 | Vinyl Chloride | 75-01-4 | N.D. | 0.5 | 0.1 | 1 |
| 11996 | Xylene (Total) | 1330-20-7 | N.D. | 1.0 | 0.2 | 1 |

## Sample Comments

State of New York Certification No. 10670

[1] = This analyte was not on the laboratory's NYSDOH Scope of Accreditation at the time of analysis.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 11996 | VOCs 8260C | SW-846 8260C 25mL purge | 1 | H193141AA | 11/10/2019 17:47 | Don V Viray | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030C | 1 | H193141AA | 11/10/2019 17:46 | Don V Viray | 1 |

*=This limit was used in the evaluation of the final result

**Sample Description:** **DM-418CF-110119 Grab Groundwater**
**General Electric Schenectady Main Plant**

**Project Name:** **GE Schenectady Main Plant**

Submittal Date/Time: 11/02/2019 10:14
Collection Date/Time: 11/01/2019 11:25
SDG#: SMP16-20BKG

**GE-O'Brien & Gere, Inc.**
**ELLE Sample #: GW 1191491**
**ELLE Group #: 2072449**
**Matrix: Groundwater**

| CAT No. | Analysis Name | CAS Number | Result | Limit of Quantitation* | Method Detection Limit | Dilution Factor |
|---|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260C 25mL purge** | | **ug/l** | **ug/l** | **ug/l** | |
| 11996 | Acetone | 67-64-1 | 2.4 J | 5.0 | 0.9 | 1 |
| 11996 | Benzene | 71-43-2 | 0.1 J | 0.5 | 0.05 | 1 |
| 11996 | 2-Butanone | 78-93-3 | N.D. | 5.0 | 0.6 | 1 |
| 11996 | Chlorobenzene | 108-90-7 | 3.9 | 0.5 | 0.06 | 1 |
| 11996 | Chloroethane | 75-00-3 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | Cyclohexane | 110-82-7 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | 1,2-Dichlorobenzene | 95-50-1 | 0.09 J | 0.5 | 0.06 | 1 |
| 11996 | 1,3-Dichlorobenzene | 541-73-1 | 0.4 J | 0.5 | 0.06 | 1 |
| 11996 | 1,4-Dichlorobenzene | 106-46-7 | 2.0 | 0.5 | 0.07 | 1 |
| 11996 | 1,1-Dichloroethane | 75-34-3 | 0.2 J | 0.5 | 0.07 | 1 |
| 11996 | 1,2-Dichloroethane | 107-06-2 | 0.09 J | 0.5 | 0.05 | 1 |
| 11996 | 1,1-Dichloroethene | 75-35-4 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | cis-1,2-Dichloroethene | 156-59-2 | 0.4 J | 0.5 | 0.05 | 1 |
| 11996 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | 1,2-Dichloroethene (Total)[1] | 540-59-0 | 0.4 J | 1.0 | 0.1 | 1 |
| 11996 | Ethylbenzene | 100-41-4 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Isopropylbenzene | 98-82-8 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | 5.0 | 0.7 | 1 |
| 11996 | Methylcyclohexane | 108-87-2 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | Methylene Chloride | 75-09-2 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | Tetrachloroethene | 127-18-4 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Toluene | 108-88-3 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | 1,1,1-Trichloroethane | 71-55-6 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Trichloroethene | 79-01-6 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Vinyl Chloride | 75-01-4 | 1.7 | 0.5 | 0.1 | 1 |
| 11996 | Xylene (Total) | 1330-20-7 | N.D. | 1.0 | 0.2 | 1 |

## Sample Comments

State of New York Certification No. 10670

[1] = This analyte was not on the laboratory's NYSDOH Scope of Accreditation at the time of analysis.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 11996 | VOCs 8260C | SW-846 8260C 25mL purge | 1 | H193141AA | 11/10/2019 15:59 | Don V Viray | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030C | 1 | H193141AA | 11/10/2019 15:58 | Don V Viray | 1 |

*=This limit was used in the evaluation of the final result

**Sample Description:** **DM-418CF-110119-MS Grab Groundwater**
**General Electric Schenectady Main Plant**

**Project Name:** **GE Schenectady Main Plant**

Submittal Date/Time: 11/02/2019 10:14
Collection Date/Time: 11/01/2019 11:25
SDG#: SMP16-20MS

**GE-O'Brien & Gere, Inc.**
**ELLE Sample #: GW 1191492**
**ELLE Group #: 2072449**
**Matrix: Groundwater**

| CAT No. | Analysis Name | CAS Number | Result | Limit of Quantitation* | Method Detection Limit | Dilution Factor |
|---|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260C 25mL purge** | | **ug/l** | **ug/l** | **ug/l** | |
| 11996 | Acetone | 67-64-1 | 32 | 5.0 | 0.9 | 1 |
| 11996 | Benzene | 71-43-2 | 5.7 | 0.5 | 0.05 | 1 |
| 11996 | 2-Butanone | 78-93-3 | 32 | 5.0 | 0.6 | 1 |
| 11996 | Chlorobenzene | 108-90-7 | 8.9 | 0.5 | 0.06 | 1 |
| 11996 | Chloroethane | 75-00-3 | 4.4 | 0.5 | 0.07 | 1 |
| 11996 | Cyclohexane | 110-82-7 | 5.3 | 0.5 | 0.05 | 1 |
| 11996 | 1,2-Dichlorobenzene | 95-50-1 | 5.3 | 0.5 | 0.06 | 1 |
| 11996 | 1,3-Dichlorobenzene | 541-73-1 | 5.6 | 0.5 | 0.06 | 1 |
| 11996 | 1,4-Dichlorobenzene | 106-46-7 | 7.1 | 0.5 | 0.07 | 1 |
| 11996 | 1,1-Dichloroethane | 75-34-3 | 5.7 | 0.5 | 0.07 | 1 |
| 11996 | 1,2-Dichloroethane | 107-06-2 | 4.8 | 0.5 | 0.05 | 1 |
| 11996 | 1,1-Dichloroethene | 75-35-4 | 5.5 | 0.5 | 0.06 | 1 |
| 11996 | cis-1,2-Dichloroethene | 156-59-2 | 5.9 | 0.5 | 0.05 | 1 |
| 11996 | trans-1,2-Dichloroethene | 156-60-5 | 5.3 | 0.5 | 0.06 | 1 |
| 11996 | 1,2-Dichloroethene (Total)[1] | 540-59-0 | 11 | 1.0 | 0.1 | 1 |
| 11996 | Ethylbenzene | 100-41-4 | 5.4 | 0.5 | 0.06 | 1 |
| 11996 | Isopropylbenzene | 98-82-8 | 5.2 | 0.5 | 0.05 | 1 |
| 11996 | 4-Methyl-2-Pentanone | 108-10-1 | 20 | 5.0 | 0.7 | 1 |
| 11996 | Methylcyclohexane | 108-87-2 | 5.2 | 0.5 | 0.05 | 1 |
| 11996 | Methylene Chloride | 75-09-2 | 4.9 | 0.5 | 0.07 | 1 |
| 11996 | Tetrachloroethene | 127-18-4 | 5.1 | 0.5 | 0.06 | 1 |
| 11996 | Toluene | 108-88-3 | 5.6 | 0.5 | 0.07 | 1 |
| 11996 | 1,1,1-Trichloroethane | 71-55-6 | 4.9 | 0.5 | 0.06 | 1 |
| 11996 | Trichloroethene | 79-01-6 | 5.2 | 0.5 | 0.06 | 1 |
| 11996 | Vinyl Chloride | 75-01-4 | 6.1 | 0.5 | 0.1 | 1 |
| 11996 | Xylene (Total) | 1330-20-7 | 15 | 1.0 | 0.2 | 1 |

## Sample Comments

State of New York Certification No. 10670

[1] = This analyte was not on the laboratory's NYSDOH Scope of Accreditation at the time of analysis.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 11996 | VOCs 8260C | SW-846 8260C 25mL purge | 1 | H193141AA | 11/10/2019 16:20 | Don V Viray | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030C | 1 | H193141AA | 11/10/2019 16:19 | Don V Viray | 1 |

*=This limit was used in the evaluation of the final result

**Sample Description:** **DM-418CF-110119-MSD Grab Groundwater**
**General Electric Schenectady Main Plant**

**Project Name:** **GE Schenectady Main Plant**

Submittal Date/Time: 11/02/2019 10:14
Collection Date/Time: 11/01/2019 11:25
SDG#: SMP16-20MSD

**GE-O'Brien & Gere, Inc.**
**ELLE Sample #: GW 1191493**
**ELLE Group #: 2072449**
**Matrix: Groundwater**

| CAT No. | Analysis Name | CAS Number | Result | Limit of Quantitation* | Method Detection Limit | Dilution Factor |
|---|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260C 25mL purge** | | **ug/l** | **ug/l** | **ug/l** | |
| 11996 | Acetone | 67-64-1 | 34 | 5.0 | 0.9 | 1 |
| 11996 | Benzene | 71-43-2 | 5.2 | 0.5 | 0.05 | 1 |
| 11996 | 2-Butanone | 78-93-3 | 31 | 5.0 | 0.6 | 1 |
| 11996 | Chlorobenzene | 108-90-7 | 8.1 | 0.5 | 0.06 | 1 |
| 11996 | Chloroethane | 75-00-3 | 4.4 | 0.5 | 0.07 | 1 |
| 11996 | Cyclohexane | 110-82-7 | 4.9 | 0.5 | 0.05 | 1 |
| 11996 | 1,2-Dichlorobenzene | 95-50-1 | 4.7 | 0.5 | 0.06 | 1 |
| 11996 | 1,3-Dichlorobenzene | 541-73-1 | 5.0 | 0.5 | 0.06 | 1 |
| 11996 | 1,4-Dichlorobenzene | 106-46-7 | 6.5 | 0.5 | 0.07 | 1 |
| 11996 | 1,1-Dichloroethane | 75-34-3 | 5.3 | 0.5 | 0.07 | 1 |
| 11996 | 1,2-Dichloroethane | 107-06-2 | 4.6 | 0.5 | 0.05 | 1 |
| 11996 | 1,1-Dichloroethene | 75-35-4 | 5.1 | 0.5 | 0.06 | 1 |
| 11996 | cis-1,2-Dichloroethene | 156-59-2 | 5.4 | 0.5 | 0.05 | 1 |
| 11996 | trans-1,2-Dichloroethene | 156-60-5 | 4.9 | 0.5 | 0.06 | 1 |
| 11996 | 1,2-Dichloroethene (Total)[1] | 540-59-0 | 10 | 1.0 | 0.1 | 1 |
| 11996 | Ethylbenzene | 100-41-4 | 5.0 | 0.5 | 0.06 | 1 |
| 11996 | Isopropylbenzene | 98-82-8 | 4.8 | 0.5 | 0.05 | 1 |
| 11996 | 4-Methyl-2-Pentanone | 108-10-1 | 19 | 5.0 | 0.7 | 1 |
| 11996 | Methylcyclohexane | 108-87-2 | 4.7 | 0.5 | 0.05 | 1 |
| 11996 | Methylene Chloride | 75-09-2 | 4.5 | 0.5 | 0.07 | 1 |
| 11996 | Tetrachloroethene | 127-18-4 | 4.7 | 0.5 | 0.06 | 1 |
| 11996 | Toluene | 108-88-3 | 5.1 | 0.5 | 0.07 | 1 |
| 11996 | 1,1,1-Trichloroethane | 71-55-6 | 4.5 | 0.5 | 0.06 | 1 |
| 11996 | Trichloroethene | 79-01-6 | 4.8 | 0.5 | 0.06 | 1 |
| 11996 | Vinyl Chloride | 75-01-4 | 6.1 | 0.5 | 0.1 | 1 |
| 11996 | Xylene (Total) | 1330-20-7 | 14 | 1.0 | 0.2 | 1 |

## Sample Comments

State of New York Certification No. 10670

[1] = This analyte was not on the laboratory's NYSDOH Scope of Accreditation at the time of analysis.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 11996 | VOCs 8260C | SW-846 8260C 25mL purge | 1 | H193141AA | 11/10/2019 16:42 | Don V Viray | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030C | 1 | H193141AA | 11/10/2019 16:41 | Don V Viray | 1 |

*=This limit was used in the evaluation of the final result

**Sample Description:** **DM-214M-110119 Grab Groundwater**
**General Electric Schenectady Main Plant**

**Project Name:** **GE Schenectady Main Plant**

Submittal Date/Time: 11/02/2019 10:14
Collection Date/Time: 11/01/2019 11:55
SDG#: SMP16-21

**GE-O'Brien & Gere, Inc.**
**ELLE Sample #: GW 1191494**
**ELLE Group #: 2072449**
**Matrix: Groundwater**

| CAT No. | Analysis Name | CAS Number | Result | Limit of Quantitation* | Method Detection Limit | Dilution Factor |
|---|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260C 25mL purge** | | **ug/l** | **ug/l** | **ug/l** | |
| 11996 | Acetone | 67-64-1 | 2.3 J | 5.0 | 0.9 | 1 |
| 11996 | Benzene | 71-43-2 | 0.3 J | 0.5 | 0.05 | 1 |
| 11996 | 2-Butanone | 78-93-3 | N.D. | 5.0 | 0.6 | 1 |
| 11996 | Chlorobenzene | 108-90-7 | 13 | 0.5 | 0.06 | 1 |
| 11996 | Chloroethane | 75-00-3 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | Cyclohexane | 110-82-7 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | 1,2-Dichlorobenzene | 95-50-1 | 0.06 J | 0.5 | 0.06 | 1 |
| 11996 | 1,3-Dichlorobenzene | 541-73-1 | 0.8 | 0.5 | 0.06 | 1 |
| 11996 | 1,4-Dichlorobenzene | 106-46-7 | 3.3 | 0.5 | 0.07 | 1 |
| 11996 | 1,1-Dichloroethane | 75-34-3 | 0.1 J | 0.5 | 0.07 | 1 |
| 11996 | 1,2-Dichloroethane | 107-06-2 | 0.2 J | 0.5 | 0.05 | 1 |
| 11996 | 1,1-Dichloroethene | 75-35-4 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | cis-1,2-Dichloroethene | 156-59-2 | 0.7 | 0.5 | 0.05 | 1 |
| 11996 | trans-1,2-Dichloroethene | 156-60-5 | 0.2 J | 0.5 | 0.06 | 1 |
| 11996 | 1,2-Dichloroethene (Total)[1] | 540-59-0 | 0.9 J | 1.0 | 0.1 | 1 |
| 11996 | Ethylbenzene | 100-41-4 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Isopropylbenzene | 98-82-8 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | 5.0 | 0.7 | 1 |
| 11996 | Methylcyclohexane | 108-87-2 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | Methylene Chloride | 75-09-2 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | Tetrachloroethene | 127-18-4 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Toluene | 108-88-3 | 0.2 J | 0.5 | 0.07 | 1 |
| 11996 | 1,1,1-Trichloroethane | 71-55-6 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Trichloroethene | 79-01-6 | 0.08 J | 0.5 | 0.06 | 1 |
| 11996 | Vinyl Chloride | 75-01-4 | 5.8 | 0.5 | 0.1 | 1 |
| 11996 | Xylene (Total) | 1330-20-7 | N.D. | 1.0 | 0.2 | 1 |

## Sample Comments

State of New York Certification No. 10670

[1] = This analyte was not on the laboratory's NYSDOH Scope of Accreditation at the time of analysis.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 11996 | VOCs 8260C | SW-846 8260C 25mL purge | 1 | H193141AA | 11/10/2019 18:08 | Don V Viray | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030C | 1 | H193141AA | 11/10/2019 18:07 | Don V Viray | 1 |

*=This limit was used in the evaluation of the final result

**Sample Description:** **DM-214D-110119 Grab Groundwater**
**General Electric Schenectady Main Plant**

**Project Name:** **GE Schenectady Main Plant**

Submittal Date/Time: 11/02/2019 10:14
Collection Date/Time: 11/01/2019 12:05
SDG#: SMP16-22

**GE-O'Brien & Gere, Inc.**
**ELLE Sample #: GW 1191495**
**ELLE Group #: 2072449**
**Matrix: Groundwater**

| CAT No. | Analysis Name | CAS Number | Result | Limit of Quantitation* | Method Detection Limit | Dilution Factor |
|---|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260C 25mL purge** | | **ug/l** | **ug/l** | **ug/l** | |
| 11996 | Acetone | 67-64-1 | 2.8 J | 5.0 | 0.9 | 1 |
| 11996 | Benzene | 71-43-2 | 0.08 J | 0.5 | 0.05 | 1 |
| 11996 | 2-Butanone | 78-93-3 | N.D. | 5.0 | 0.6 | 1 |
| 11996 | Chlorobenzene | 108-90-7 | 33 E | 0.5 | 0.06 | 1 |
| 11996 | Chloroethane | 75-00-3 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | Cyclohexane | 110-82-7 | 0.08 J | 0.5 | 0.05 | 1 |
| 11996 | 1,2-Dichlorobenzene | 95-50-1 | 0.06 J | 0.5 | 0.06 | 1 |
| 11996 | 1,3-Dichlorobenzene | 541-73-1 | 2.2 | 0.5 | 0.06 | 1 |
| 11996 | 1,4-Dichlorobenzene | 106-46-7 | 8.7 | 0.5 | 0.07 | 1 |
| 11996 | 1,1-Dichloroethane | 75-34-3 | 0.3 J | 0.5 | 0.07 | 1 |
| 11996 | 1,2-Dichloroethane | 107-06-2 | 0.1 J | 0.5 | 0.05 | 1 |
| 11996 | 1,1-Dichloroethene | 75-35-4 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | cis-1,2-Dichloroethene | 156-59-2 | 3.3 | 0.5 | 0.05 | 1 |
| 11996 | trans-1,2-Dichloroethene | 156-60-5 | 0.2 J | 0.5 | 0.06 | 1 |
| 11996 | 1,2-Dichloroethene (Total)[1] | 540-59-0 | 3.5 | 1.0 | 0.1 | 1 |
| 11996 | Ethylbenzene | 100-41-4 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Isopropylbenzene | 98-82-8 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | 5.0 | 0.7 | 1 |
| 11996 | Methylcyclohexane | 108-87-2 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | Methylene Chloride | 75-09-2 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | Tetrachloroethene | 127-18-4 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Toluene | 108-88-3 | 0.08 J | 0.5 | 0.07 | 1 |
| 11996 | 1,1,1-Trichloroethane | 71-55-6 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Trichloroethene | 79-01-6 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Vinyl Chloride | 75-01-4 | 56 E | 0.5 | 0.1 | 1 |
| 11996 | Xylene (Total) | 1330-20-7 | N.D. | 1.0 | 0.2 | 1 |

## Sample Comments

State of New York Certification No. 10670

[1] = This analyte was not on the laboratory's NYSDOH Scope of Accreditation at the time of analysis.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 11996 | VOCs 8260C | SW-846 8260C 25mL purge | 1 | G193162AA | 11/13/2019 03:08 | Miranda Campbell | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030C | 1 | G193162AA | 11/13/2019 03:07 | Miranda Campbell | 1 |

*=This limit was used in the evaluation of the final result

**Sample Description:** **DM-216D-110119 Grab Groundwater**
**General Electric Schenectady Main Plant**

**Project Name:** **GE Schenectady Main Plant**

Submittal Date/Time: 11/02/2019 10:14
Collection Date/Time: 11/01/2019 12:15
SDG#: SMP16-23

**GE-O'Brien & Gere, Inc.**
**ELLE Sample #: GW 1191496**
**ELLE Group #: 2072449**
**Matrix: Groundwater**

| CAT No. | Analysis Name | CAS Number | Result | Limit of Quantitation* | Method Detection Limit | Dilution Factor |
|---|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260C 25mL purge** | | **ug/l** | **ug/l** | **ug/l** | |
| 11996 | Acetone | 67-64-1 | 2.5 J | 5.0 | 0.9 | 1 |
| 11996 | Benzene | 71-43-2 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | 2-Butanone | 78-93-3 | N.D. | 5.0 | 0.6 | 1 |
| 11996 | Chlorobenzene | 108-90-7 | 0.07 J | 0.5 | 0.06 | 1 |
| 11996 | Chloroethane | 75-00-3 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | Cyclohexane | 110-82-7 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | 1,1-Dichloroethane | 75-34-3 | 0.09 J | 0.5 | 0.07 | 1 |
| 11996 | 1,2-Dichloroethane | 107-06-2 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | 1,1-Dichloroethene | 75-35-4 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | cis-1,2-Dichloroethene | 156-59-2 | 0.3 J | 0.5 | 0.05 | 1 |
| 11996 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | 1,2-Dichloroethene (Total)[1] | 540-59-0 | 0.3 J | 1.0 | 0.1 | 1 |
| 11996 | Ethylbenzene | 100-41-4 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Isopropylbenzene | 98-82-8 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | 5.0 | 0.7 | 1 |
| 11996 | Methylcyclohexane | 108-87-2 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | Methylene Chloride | 75-09-2 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | Tetrachloroethene | 127-18-4 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Toluene | 108-88-3 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | 1,1,1-Trichloroethane | 71-55-6 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Trichloroethene | 79-01-6 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Vinyl Chloride | 75-01-4 | 0.7 | 0.5 | 0.1 | 1 |
| 11996 | Xylene (Total) | 1330-20-7 | N.D. | 1.0 | 0.2 | 1 |

## Sample Comments

State of New York Certification No. 10670

[1] = This analyte was not on the laboratory's NYSDOH Scope of Accreditation at the time of analysis.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 11996 | VOCs 8260C | SW-846 8260C 25mL purge | 1 | H193141AA | 11/10/2019 18:51 | Don V Viray | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030C | 1 | H193141AA | 11/10/2019 18:50 | Don V Viray | 1 |

*=This limit was used in the evaluation of the final result

**Sample Description:** **DM-217D-110119 Grab Groundwater**
**General Electric Schenectady Main Plant**

**Project Name:** **GE Schenectady Main Plant**

Submittal Date/Time: 11/02/2019 10:14
Collection Date/Time: 11/01/2019 12:25
SDG#: SMP16-24

**GE-O'Brien & Gere, Inc.**
**ELLE Sample #: GW 1191497**
**ELLE Group #: 2072449**
**Matrix: Groundwater**

| CAT No. | Analysis Name | CAS Number | Result | Limit of Quantitation* | Method Detection Limit | Dilution Factor |
|---|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260C 25mL purge** | | **ug/l** | **ug/l** | **ug/l** | |
| 11996 | Acetone | 67-64-1 | 2.3 J | 5.0 | 0.9 | 1 |
| 11996 | Benzene | 71-43-2 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | 2-Butanone | 78-93-3 | N.D. | 5.0 | 0.6 | 1 |
| 11996 | Chlorobenzene | 108-90-7 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Chloroethane | 75-00-3 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | Cyclohexane | 110-82-7 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | 1,1-Dichloroethane | 75-34-3 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | 1,2-Dichloroethane | 107-06-2 | 0.06 J | 0.5 | 0.05 | 1 |
| 11996 | 1,1-Dichloroethene | 75-35-4 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | cis-1,2-Dichloroethene | 156-59-2 | 0.09 J | 0.5 | 0.05 | 1 |
| 11996 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | 1,2-Dichloroethene (Total)[1] | 540-59-0 | N.D. | 1.0 | 0.1 | 1 |
| 11996 | Ethylbenzene | 100-41-4 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Isopropylbenzene | 98-82-8 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | 5.0 | 0.7 | 1 |
| 11996 | Methylcyclohexane | 108-87-2 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | Methylene Chloride | 75-09-2 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | Tetrachloroethene | 127-18-4 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Toluene | 108-88-3 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | 1,1,1-Trichloroethane | 71-55-6 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Trichloroethene | 79-01-6 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Vinyl Chloride | 75-01-4 | 2.9 | 0.5 | 0.1 | 1 |
| 11996 | Xylene (Total) | 1330-20-7 | N.D. | 1.0 | 0.2 | 1 |

## Sample Comments

State of New York Certification No. 10670

[1] = This analyte was not on the laboratory's NYSDOH Scope of Accreditation at the time of analysis.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 11996 | VOCs 8260C | SW-846 8260C 25mL purge | 1 | H193141AA | 11/10/2019 19:13 | Don V Viray | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030C | 1 | H193141AA | 11/10/2019 19:12 | Don V Viray | 1 |

*=This limit was used in the evaluation of the final result

**Sample Description:** **X-04-110119 Grab Groundwater**
**General Electric Schenectady Main Plant**

**Project Name:** **GE Schenectady Main Plant**

Submittal Date/Time: 11/02/2019 10:14
Collection Date/Time: 11/01/2019
SDG#: SMP16-25FD

**GE-O'Brien & Gere, Inc.**
**ELLE Sample #: GW 1191498**
**ELLE Group #: 2072449**
**Matrix: Groundwater**

| CAT No. | Analysis Name | CAS Number | Result | Limit of Quantitation* | Method Detection Limit | Dilution Factor |
|---|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260C 25mL purge** | | **ug/l** | **ug/l** | **ug/l** | |
| 11996 | Acetone | 67-64-1 | 2.5 J | 5.0 | 0.9 | 1 |
| 11996 | Benzene | 71-43-2 | 0.1 J | 0.5 | 0.05 | 1 |
| 11996 | 2-Butanone | 78-93-3 | N.D. | 5.0 | 0.6 | 1 |
| 11996 | Chlorobenzene | 108-90-7 | 1.5 | 0.5 | 0.06 | 1 |
| 11996 | Chloroethane | 75-00-3 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | Cyclohexane | 110-82-7 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | 1,1-Dichloroethane | 75-34-3 | 0.6 | 0.5 | 0.07 | 1 |
| 11996 | 1,2-Dichloroethane | 107-06-2 | 0.09 J | 0.5 | 0.05 | 1 |
| 11996 | 1,1-Dichloroethene | 75-35-4 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | cis-1,2-Dichloroethene | 156-59-2 | 1.1 | 0.5 | 0.05 | 1 |
| 11996 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | 1,2-Dichloroethene (Total)[1] | 540-59-0 | 1.1 | 1.0 | 0.1 | 1 |
| 11996 | Ethylbenzene | 100-41-4 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Isopropylbenzene | 98-82-8 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | 5.0 | 0.7 | 1 |
| 11996 | Methylcyclohexane | 108-87-2 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | Methylene Chloride | 75-09-2 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | Tetrachloroethene | 127-18-4 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Toluene | 108-88-3 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | 1,1,1-Trichloroethane | 71-55-6 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Trichloroethene | 79-01-6 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Vinyl Chloride | 75-01-4 | 8.4 | 0.5 | 0.1 | 1 |
| 11996 | Xylene (Total) | 1330-20-7 | N.D. | 1.0 | 0.2 | 1 |

## Sample Comments

State of New York Certification No. 10670

[1] = This analyte was not on the laboratory's NYSDOH Scope of Accreditation at the time of analysis.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 11996 | VOCs 8260C | SW-846 8260C 25mL purge | 1 | H193141AA | 11/10/2019 19:34 | Don V Viray | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030C | 1 | H193141AA | 11/10/2019 19:33 | Don V Viray | 1 |

*=This limit was used in the evaluation of the final result

**Sample Description:** **TB-06-110119 Water**
**General Electric Schenectady Main Plant**

**Project Name:** **GE Schenectady Main Plant**

Submittal Date/Time: 11/02/2019 10:14
Collection Date/Time: 11/01/2019
SDG#: SMP16-26TB

**GE-O'Brien & Gere, Inc.**
**ELLE Sample #: GW 1191499**
**ELLE Group #: 2072449**
**Matrix: Water**

| CAT No. | Analysis Name | CAS Number | Result | Limit of Quantitation* | Method Detection Limit | Dilution Factor |
|---|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260C 25mL purge** | | **ug/l** | **ug/l** | **ug/l** | |
| 11996 | Acetone | 67-64-1 | N.D. | 5.0 | 0.9 | 1 |
| 11996 | Benzene | 71-43-2 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | 2-Butanone | 78-93-3 | N.D. | 5.0 | 0.6 | 1 |
| 11996 | Chlorobenzene | 108-90-7 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Chloroethane | 75-00-3 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | Cyclohexane | 110-82-7 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | 1,1-Dichloroethane | 75-34-3 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | 1,2-Dichloroethane | 107-06-2 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | 1,1-Dichloroethene | 75-35-4 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | 1,2-Dichloroethene (Total)[1] | 540-59-0 | N.D. | 1.0 | 0.1 | 1 |
| 11996 | Ethylbenzene | 100-41-4 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Isopropylbenzene | 98-82-8 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | 5.0 | 0.7 | 1 |
| 11996 | Methylcyclohexane | 108-87-2 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | Methylene Chloride | 75-09-2 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | Tetrachloroethene | 127-18-4 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Toluene | 108-88-3 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | 1,1,1-Trichloroethane | 71-55-6 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Trichloroethene | 79-01-6 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Vinyl Chloride | 75-01-4 | N.D. | 0.5 | 0.1 | 1 |
| 11996 | Xylene (Total) | 1330-20-7 | N.D. | 1.0 | 0.2 | 1 |

## Sample Comments

State of New York Certification No. 10670

[1] = This analyte was not on the laboratory's NYSDOH Scope of Accreditation at the time of analysis.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 11996 | VOCs 8260C | SW-846 8260C 25mL purge | 1 | H193141AA | 11/10/2019 15:37 | Don V Viray | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030C | 1 | H193141AA | 11/10/2019 15:36 | Don V Viray | 1 |

*=This limit was used in the evaluation of the final result

# Enhanced Bioremediation and DM-405F Area Groundwater Analytical Data

**Sample Description:** **DM-436I-102419 Grab Groundwater**
**General Electric Schenectady Main Plant**

**Project Name:** **GE Schenectady Main Plant**

Submittal Date/Time: 10/25/2019 11:10
Collection Date/Time: 10/24/2019 11:10
SDG#: SMP15-01

**GE-O'Brien & Gere, Inc.**
**ELLE Sample #: GW 1184395**
**ELLE Group #: 2071103**
**Matrix: Groundwater**

| CAT No. | Analysis Name | CAS Number | Result | Limit of Quantitation* | Method Detection Limit | Dilution Factor |
|---|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260C 25mL purge** | | **ug/l** | **ug/l** | **ug/l** | |
| 11996 | Acetone | 67-64-1 | N.D. | 5.0 | 0.9 | 1 |
| 11996 | Benzene | 71-43-2 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | 2-Butanone | 78-93-3 | N.D. | 5.0 | 0.6 | 1 |
| 11996 | Chlorobenzene | 108-90-7 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Chloroethane | 75-00-3 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | Cyclohexane | 110-82-7 | 0.7 | 0.5 | 0.05 | 1 |
| 11996 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | 1,1-Dichloroethane | 75-34-3 | 5.9 | 0.5 | 0.07 | 1 |
| 11996 | 1,2-Dichloroethane | 107-06-2 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | 1,1-Dichloroethene | 75-35-4 | 0.6 | 0.5 | 0.06 | 1 |
| 11996 | cis-1,2-Dichloroethene | 156-59-2 | 140 | 5.0 | 0.5 | 10 |
| 11996 | trans-1,2-Dichloroethene | 156-60-5 | 0.2 J | 0.5 | 0.06 | 1 |
| 11996 | 1,2-Dichloroethene (Total)[1] | 540-59-0 | 140 | 10 | 1.1 | 10 |
| 11996 | Ethylbenzene | 100-41-4 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Isopropylbenzene | 98-82-8 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | 5.0 | 0.7 | 1 |
| 11996 | Methylcyclohexane | 108-87-2 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | Methylene Chloride | 75-09-2 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | Tetrachloroethene | 127-18-4 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Toluene | 108-88-3 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | 1,1,1-Trichloroethane | 71-55-6 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Trichloroethene | 79-01-6 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Vinyl Chloride | 75-01-4 | 92 | 5.0 | 1.0 | 10 |
| 11996 | Xylene (Total) | 1330-20-7 | N.D. | 1.0 | 0.2 | 1 |
| **GC Miscellaneous** | **RSKSOP-175 modified** | | **ug/l** | **ug/l** | **ug/l** | |
| 07105 | Ethane | 74-84-0 | N.D. | 5.0 | 1.0 | 1 |
| 07105 | Ethene | 74-85-1 | 2.0 J | 5.0 | 1.0 | 1 |
| 07105 | Methane | 74-82-8 | 3,000 | 250 | 150 | 50 |
| **Wet Chemistry** | **EPA 300.0** | | **mg/l** | **mg/l** | **mg/l** | |
| 00224 | Chloride | 16887-00-6 | 86.2 | 20.0 | 10.0 | 50 |
| 00368 | Nitrate Nitrogen | 14797-55-8 | N.D. | 0.50 | 0.25 | 5 |
| 00228 | Sulfate | 14808-79-8 | 34.2 | 5.0 | 1.5 | 5 |
| | **SM 5310 C-2011** | | **mg/l** | **mg/l** | **mg/l** | |
| 00273 | Total Organic Carbon | n.a. | 3.3 | 1.0 | 0.50 | 1 |
| | **SM 2320 B-2011** | | **mg/l as CaCO3** | **mg/l as CaCO3** | **mg/l as CaCO3** | |

*=This limit was used in the evaluation of the final result

**Sample Description:** **DM-436I-102419 Grab Groundwater**
**General Electric Schenectady Main Plant**

**Project Name:** **GE Schenectady Main Plant**

Submittal Date/Time: 10/25/2019 11:10
Collection Date/Time: 10/24/2019 11:10
SDG#: SMP15-01

**GE-O'Brien & Gere, Inc.**
**ELLE Sample #: GW 1184395**
**ELLE Group #: 2071103**
**Matrix: Groundwater**

| CAT No. | Analysis Name | CAS Number | Result | Limit of Quantitation* | Method Detection Limit | Dilution Factor |
|---|---|---|---|---|---|---|
| **Wet Chemistry** | **SM 2320 B-2011** | | **mg/l as CaCO3** | **mg/l as CaCO3** | **mg/l as CaCO3** | |
| 12150 | Total Alkalinity to pH 4.5 | n.a. | 276 | 8.0 | 2.6 | 1 |
| 12149 | Bicarbonate Alkalinity | n.a. | 276 | 8.0 | 2.6 | 1 |

## Sample Comments

State of New York Certification No. 10670

[1] = This analyte was not on the laboratory's NYSDOH Scope of Accreditation at the time of analysis.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 11996 | VOCs 8260C | SW-846 8260C 25mL purge | 1 | H193021AA | 10/30/2019 00:33 | Miranda Campbell | 1 |
| 11996 | VOCs 8260C | SW-846 8260C 25mL purge | 1 | H193021AA | 10/30/2019 00:55 | Miranda Campbell | 10 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030C | 1 | H193021AA | 10/30/2019 00:32 | Miranda Campbell | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030C | 2 | H193021AA | 10/30/2019 00:54 | Miranda Campbell | 10 |
| 07105 | Methane, Ethane, Ethene | RSKSOP-175 modified | 1 | 193010002A | 10/28/2019 17:48 | Johanna C Kennedy | 1 |
| 07105 | Methane, Ethane, Ethene | RSKSOP-175 modified | 1 | 193010002A | 10/29/2019 19:23 | Johanna C Kennedy | 50 |
| 00224 | Chloride | EPA 300.0 | 1 | 19299720112A | 10/29/2019 04:11 | Kevin Litwa | 50 |
| 00368 | Nitrate Nitrogen | EPA 300.0 | 1 | 19299720112A | 10/26/2019 10:55 | Samantha Faverio | 5 |
| 00228 | Sulfate | EPA 300.0 | 1 | 19299720112A | 10/26/2019 10:55 | Samantha Faverio | 5 |
| 00273 | Total Organic Carbon | SM 5310 C-2011 | 1 | 19309304502A | 11/05/2019 16:14 | Bethany Sandone | 1 |
| 12150 | Total Alkalinity to pH 4.5 | SM 2320 B-2011 | 1 | 19304007202A | 10/31/2019 21:45 | Jeremy L Bolf | 1 |
| 12149 | Bicarbonate Alkalinity | SM 2320 B-2011 | 1 | 19304007202A | 10/31/2019 21:45 | Jeremy L Bolf | 1 |

*=This limit was used in the evaluation of the final result

**Sample Description:** **DM-436I-102419 Filtered Grab Groundwater**
**General Electric Schenectady Main Plant**

**Project Name:** **GE Schenectady Main Plant**

Submittal Date/Time: 10/25/2019 11:10
Collection Date/Time: 10/24/2019 11:10
SDG#: SMP15-02

**GE-O'Brien & Gere, Inc.**
**ELLE Sample #: GW 1184396**
**ELLE Group #: 2071103**
**Matrix: Groundwater**

| CAT No. | Analysis Name | CAS Number | Result | Limit of Quantitation* | Method Detection Limit | Dilution Factor |
|---|---|---|---|---|---|---|
| **Metals Dissolved** | **SW-846 6010D Rev.4, July 2014** | | **mg/l** | **mg/l** | **mg/l** | |
| 01754 | Iron | 7439-89-6 | 2.73 | 0.200 | 0.0400 | 1 |

## Sample Comments

State of New York Certification No. 10670
This sample was field filtered for dissolved metals.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 01754 | Iron | SW-846 6010D Rev.4, July 2014 | 1 | 193021404410 | 11/01/2019 09:25 | Patrick J Engle | 1 |
| 14044 | ICP-WW, 3005A (tot rec) - U345 | SW-846 3005A | 1 | 193021404410 | 10/30/2019 13:35 | JoElla L Rice | 1 |

*=This limit was used in the evaluation of the final result

**Sample Description:** **DM-438S-102419 Grab Groundwater**
**General Electric Schenectady Main Plant**

**Project Name:** **GE Schenectady Main Plant**

Submittal Date/Time: 10/25/2019 11:10
Collection Date/Time: 10/24/2019 11:30
SDG#: SMP15-03BKG

**GE-O'Brien & Gere, Inc.**
**ELLE Sample #: GW 1184397**
**ELLE Group #: 2071103**
**Matrix: Groundwater**

| CAT No. | Analysis Name | CAS Number | Result | Limit of Quantitation* | Method Detection Limit | Dilution Factor |
|---|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260C 25mL purge** | | **ug/l** | **ug/l** | **ug/l** | |
| 11996 | Acetone | 67-64-1 | N.D. | 5.0 | 0.9 | 1 |
| 11996 | Benzene | 71-43-2 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | 2-Butanone | 78-93-3 | N.D. | 5.0 | 0.6 | 1 |
| 11996 | Chlorobenzene | 108-90-7 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Chloroethane | 75-00-3 | 0.1 J | 0.5 | 0.07 | 1 |
| 11996 | Cyclohexane | 110-82-7 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | 1,1-Dichloroethane | 75-34-3 | 0.7 | 0.5 | 0.07 | 1 |
| 11996 | 1,2-Dichloroethane | 107-06-2 | 0.09 J | 0.5 | 0.05 | 1 |
| 11996 | 1,1-Dichloroethene | 75-35-4 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | cis-1,2-Dichloroethene | 156-59-2 | 0.9 | 0.5 | 0.05 | 1 |
| 11996 | trans-1,2-Dichloroethene | 156-60-5 | 0.06 J | 0.5 | 0.06 | 1 |
| 11996 | 1,2-Dichloroethene (Total)[1] | 540-59-0 | 0.9 J | 1.0 | 0.1 | 1 |
| 11996 | Ethylbenzene | 100-41-4 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Isopropylbenzene | 98-82-8 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | 5.0 | 0.7 | 1 |
| 11996 | Methylcyclohexane | 108-87-2 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | Methylene Chloride | 75-09-2 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | Tetrachloroethene | 127-18-4 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Toluene | 108-88-3 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | 1,1,1-Trichloroethane | 71-55-6 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Trichloroethene | 79-01-6 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Vinyl Chloride | 75-01-4 | 4.0 | 0.5 | 0.1 | 1 |
| 11996 | Xylene (Total) | 1330-20-7 | N.D. | 1.0 | 0.2 | 1 |
| **GC Miscellaneous** | **RSKSOP-175 modified** | | **ug/l** | **ug/l** | **ug/l** | |
| 07105 | Ethane | 74-84-0 | 70 | 5.0 | 1.0 | 1 |
| 07105 | Ethene | 74-85-1 | 4.5 J | 5.0 | 1.0 | 1 |
| 07105 | Methane | 74-82-8 | 15,000 | 1,000 | 600 | 200 |
| **Wet Chemistry** | **EPA 300.0** | | **mg/l** | **mg/l** | **mg/l** | |
| 00224 | Chloride | 16887-00-6 | 27.6 | 2.0 | 1.0 | 5 |
| 00368 | Nitrate Nitrogen | 14797-55-8 | N.D. | 0.50 | 0.25 | 5 |
| 00228 | Sulfate | 14808-79-8 | 7.5 | 5.0 | 1.5 | 5 |
| | **SM 5310 C-2011** | | **mg/l** | **mg/l** | **mg/l** | |
| 00273 | Total Organic Carbon | n.a. | 4.8 | 1.0 | 0.50 | 1 |
| | **SM 2320 B-2011** | | **mg/l as CaCO3** | **mg/l as CaCO3** | **mg/l as CaCO3** | |

*=This limit was used in the evaluation of the final result

**Sample Description:** **DM-438S-102419 Grab Groundwater**
**General Electric Schenectady Main Plant**

**Project Name:** **GE Schenectady Main Plant**

Submittal Date/Time: 10/25/2019 11:10
Collection Date/Time: 10/24/2019 11:30
SDG#: SMP15-03BKG

**GE-O'Brien & Gere, Inc.**
**ELLE Sample #: GW 1184397**
**ELLE Group #: 2071103**
**Matrix: Groundwater**

| CAT No. | Analysis Name | CAS Number | Result | Limit of Quantitation* | Method Detection Limit | Dilution Factor |
|---|---|---|---|---|---|---|
| **Wet Chemistry** | **SM 2320 B-2011** | | **mg/l as CaCO3** | **mg/l as CaCO3** | **mg/l as CaCO3** | |
| 12150 | Total Alkalinity to pH 4.5 | n.a. | 298 | 8.0 | 2.6 | 1 |
| 12149 | Bicarbonate Alkalinity | n.a. | 298 | 8.0 | 2.6 | 1 |

## Sample Comments

State of New York Certification No. 10670

[1] = This analyte was not on the laboratory's NYSDOH Scope of Accreditation at the time of analysis.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 11996 | VOCs 8260C | SW-846 8260C 25mL purge | 1 | H193021AA | 10/29/2019 23:07 | Miranda Campbell | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030C | 1 | H193021AA | 10/29/2019 23:06 | Miranda Campbell | 1 |
| 07105 | Methane, Ethane, Ethene | RSKSOP-175 modified | 1 | 193010002A | 10/28/2019 16:53 | Johanna C Kennedy | 1 |
| 07105 | Methane, Ethane, Ethene | RSKSOP-175 modified | 1 | 193010002A | 10/29/2019 19:42 | Johanna C Kennedy | 200 |
| 00224 | Chloride | EPA 300.0 | 1 | 19299720112A | 10/26/2019 11:10 | Samantha Faverio | 5 |
| 00368 | Nitrate Nitrogen | EPA 300.0 | 1 | 19299720112A | 10/26/2019 11:10 | Samantha Faverio | 5 |
| 00228 | Sulfate | EPA 300.0 | 1 | 19299720112A | 10/26/2019 11:10 | Samantha Faverio | 5 |
| 00273 | Total Organic Carbon | SM 5310 C-2011 | 1 | 19309304502A | 11/05/2019 16:27 | Bethany Sandone | 1 |
| 12150 | Total Alkalinity to pH 4.5 | SM 2320 B-2011 | 1 | 19304007202A | 10/31/2019 20:17 | Jeremy L Bolf | 1 |
| 12149 | Bicarbonate Alkalinity | SM 2320 B-2011 | 1 | 19304007202A | 10/31/2019 20:17 | Jeremy L Bolf | 1 |

*=This limit was used in the evaluation of the final result

**Sample Description:** **DM-438S-102419 Filtered Grab Groundwater**
**General Electric Schenectady Main Plant**

**Project Name:** **GE Schenectady Main Plant**

Submittal Date/Time: 10/25/2019 11:10
Collection Date/Time: 10/24/2019 11:30
SDG#: SMP15-04BKG

**GE-O'Brien & Gere, Inc.**
**ELLE Sample #: GW 1184401**
**ELLE Group #: 2071103**
**Matrix: Groundwater**

| CAT No. | Analysis Name | CAS Number | Result | Limit of Quantitation* | Method Detection Limit | Dilution Factor |
|---|---|---|---|---|---|---|
| **Metals Dissolved** | **SW-846 6010D Rev.4, July 2014** | | **mg/l** | **mg/l** | **mg/l** | |
| 01754 | Iron | 7439-89-6 | 16.0 | 0.200 | 0.0400 | 1 |

## Sample Comments

State of New York Certification No. 10670
This sample was field filtered for dissolved metals.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 01754 | Iron | SW-846 6010D Rev.4, July 2014 | 1 | 193021404410 | 11/01/2019 08:34 | Patrick J Engle | 1 |
| 14044 | ICP-WW, 3005A (tot rec) - U345 | SW-846 3005A | 1 | 193021404410 | 10/30/2019 13:35 | JoElla L Rice | 1 |

*=This limit was used in the evaluation of the final result

**Sample Description:** **DM-436S-102419 Grab Groundwater**
**General Electric Schenectady Main Plant**

**Project Name:** **GE Schenectady Main Plant**

Submittal Date/Time: 10/25/2019 11:10
Collection Date/Time: 10/24/2019 12:15
SDG#: SMP15-05

**GE-O'Brien & Gere, Inc.**
**ELLE Sample #: GW 1184405**
**ELLE Group #: 2071103**
**Matrix: Groundwater**

| CAT No. | Analysis Name | CAS Number | Result | Limit of Quantitation* | Method Detection Limit | Dilution Factor |
|---|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260C 25mL purge** | | **ug/l** | **ug/l** | **ug/l** | |
| 11996 | Acetone | 67-64-1 | N.D. | 5.0 | 0.9 | 1 |
| 11996 | Benzene | 71-43-2 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | 2-Butanone | 78-93-3 | N.D. | 5.0 | 0.6 | 1 |
| 11996 | Chlorobenzene | 108-90-7 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Chloroethane | 75-00-3 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | Cyclohexane | 110-82-7 | 0.2 J | 0.5 | 0.05 | 1 |
| 11996 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | 1,1-Dichloroethane | 75-34-3 | 6.0 | 0.5 | 0.07 | 1 |
| 11996 | 1,2-Dichloroethane | 107-06-2 | 0.07 J | 0.5 | 0.05 | 1 |
| 11996 | 1,1-Dichloroethene | 75-35-4 | 0.9 | 0.5 | 0.06 | 1 |
| 11996 | cis-1,2-Dichloroethene | 156-59-2 | 220 | 10 | 1.0 | 20 |
| 11996 | trans-1,2-Dichloroethene | 156-60-5 | 0.4 J | 0.5 | 0.06 | 1 |
| 11996 | 1,2-Dichloroethene (Total)[1] | 540-59-0 | 220 | 20 | 2.2 | 20 |
| 11996 | Ethylbenzene | 100-41-4 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Isopropylbenzene | 98-82-8 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | 5.0 | 0.7 | 1 |
| 11996 | Methylcyclohexane | 108-87-2 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | Methylene Chloride | 75-09-2 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | Tetrachloroethene | 127-18-4 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Toluene | 108-88-3 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | 1,1,1-Trichloroethane | 71-55-6 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Trichloroethene | 79-01-6 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Vinyl Chloride | 75-01-4 | 420 | 10 | 2.0 | 20 |
| 11996 | Xylene (Total) | 1330-20-7 | N.D. | 1.0 | 0.2 | 1 |
| **GC Miscellaneous** | **RSKSOP-175 modified** | | **ug/l** | **ug/l** | **ug/l** | |
| 07105 | Ethane | 74-84-0 | 4.2 J | 5.0 | 1.0 | 1 |
| 07105 | Ethene | 74-85-1 | 640 | 500 | 100 | 100 |
| 07105 | Methane | 74-82-8 | 12,000 | 500 | 300 | 100 |
| **Wet Chemistry** | **EPA 300.0** | | **mg/l** | **mg/l** | **mg/l** | |
| 00224 | Chloride | 16887-00-6 | 99.7 | 20.0 | 10.0 | 50 |
| 00368 | Nitrate Nitrogen | 14797-55-8 | N.D. | 0.50 | 0.25 | 5 |
| 00228 | Sulfate | 14808-79-8 | 10 | 5.0 | 1.5 | 5 |
| | **SM 5310 C-2011** | | **mg/l** | **mg/l** | **mg/l** | |
| 00273 | Total Organic Carbon | n.a. | 2.6 | 1.0 | 0.50 | 1 |
| | **SM 2320 B-2011** | | **mg/l as CaCO3** | **mg/l as CaCO3** | **mg/l as CaCO3** | |

*=This limit was used in the evaluation of the final result

**Sample Description:** **DM-436S-102419 Grab Groundwater**
**General Electric Schenectady Main Plant**

**Project Name:** **GE Schenectady Main Plant**

Submittal Date/Time: 10/25/2019 11:10
Collection Date/Time: 10/24/2019 12:15
SDG#: SMP15-05

**GE-O'Brien & Gere, Inc.**
**ELLE Sample #: GW 1184405**
**ELLE Group #: 2071103**
**Matrix: Groundwater**

| CAT No. | Analysis Name | CAS Number | Result | Limit of Quantitation* | Method Detection Limit | Dilution Factor |
|---|---|---|---|---|---|---|
| **Wet Chemistry** | **SM 2320 B-2011** | | **mg/l as CaCO3** | **mg/l as CaCO3** | **mg/l as CaCO3** | |
| 12150 | Total Alkalinity to pH 4.5 | n.a. | 343 | 8.0 | 2.6 | 1 |
| 12149 | Bicarbonate Alkalinity | n.a. | 343 | 8.0 | 2.6 | 1 |

## Sample Comments

State of New York Certification No. 10670

[1] = This analyte was not on the laboratory's NYSDOH Scope of Accreditation at the time of analysis.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 11996 | VOCs 8260C | SW-846 8260C 25mL purge | 1 | H193021AA | 10/30/2019 01:16 | Miranda Campbell | 1 |
| 11996 | VOCs 8260C | SW-846 8260C 25mL purge | 1 | H193021AA | 10/30/2019 01:38 | Miranda Campbell | 20 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030C | 1 | H193021AA | 10/30/2019 01:15 | Miranda Campbell | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030C | 2 | H193021AA | 10/30/2019 01:37 | Miranda Campbell | 20 |
| 07105 | Methane, Ethane, Ethene | RSKSOP-175 modified | 1 | 193010002A | 10/28/2019 18:07 | Johanna C Kennedy | 1 |
| 07105 | Methane, Ethane, Ethene | RSKSOP-175 modified | 1 | 193010002A | 10/29/2019 20:00 | Johanna C Kennedy | 100 |
| 00224 | Chloride | EPA 300.0 | 1 | 19299720112A | 10/29/2019 14:37 | Kevin Litwa | 50 |
| 00368 | Nitrate Nitrogen | EPA 300.0 | 1 | 19299720112A | 10/26/2019 11:57 | Samantha Faverio | 5 |
| 00228 | Sulfate | EPA 300.0 | 1 | 19299720112A | 10/26/2019 11:57 | Samantha Faverio | 5 |
| 00273 | Total Organic Carbon | SM 5310 C-2011 | 1 | 19309304502A | 11/05/2019 17:06 | Bethany Sandone | 1 |
| 12150 | Total Alkalinity to pH 4.5 | SM 2320 B-2011 | 1 | 19304007202A | 10/31/2019 21:24 | Jeremy L Bolf | 1 |
| 12149 | Bicarbonate Alkalinity | SM 2320 B-2011 | 1 | 19304007202A | 10/31/2019 21:24 | Jeremy L Bolf | 1 |

*=This limit was used in the evaluation of the final result

**Sample Description:** **DM-436S-102419 Filtered Grab Groundwater**
**General Electric Schenectady Main Plant**

**Project Name:** **GE Schenectady Main Plant**

Submittal Date/Time: 10/25/2019 11:10
Collection Date/Time: 10/24/2019 12:15
SDG#: SMP15-06

**GE-O'Brien & Gere, Inc.**
**ELLE Sample #: GW 1184406**
**ELLE Group #: 2071103**
**Matrix: Groundwater**

| CAT No. | Analysis Name | CAS Number | Result | Limit of Quantitation* | Method Detection Limit | Dilution Factor |
|---|---|---|---|---|---|---|
| **Metals Dissolved** | **SW-846 6010D Rev.4, July 2014** | | **mg/l** | **mg/l** | **mg/l** | |
| 01754 | Iron | 7439-89-6 | 6.47 | 0.200 | 0.0400 | 1 |

## Sample Comments

State of New York Certification No. 10670
This sample was field filtered for dissolved metals.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 01754 | Iron | SW-846 6010D Rev.4, July 2014 | 1 | 193021404410 | 11/01/2019 09:22 | Patrick J Engle | 1 |
| 14044 | ICP-WW, 3005A (tot rec) - U345 | SW-846 3005A | 1 | 193021404410 | 10/30/2019 13:35 | JoElla L Rice | 1 |

*=This limit was used in the evaluation of the final result

**Sample Description:** **DM-437S-102419 Grab Groundwater**
**General Electric Schenectady Main Plant**

**Project Name:** **GE Schenectady Main Plant**

Submittal Date/Time: 10/25/2019 11:10
Collection Date/Time: 10/24/2019 13:55
SDG#: SMP15-07

**GE-O'Brien & Gere, Inc.**
**ELLE Sample #: GW 1184407**
**ELLE Group #: 2071103**
**Matrix: Groundwater**

| CAT No. | Analysis Name | CAS Number | Result | Limit of Quantitation* | Method Detection Limit | Dilution Factor |
|---|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260C 25mL purge** | | **ug/l** | **ug/l** | **ug/l** | |
| 11996 | Acetone | 67-64-1 | N.D. | 5.0 | 0.9 | 1 |
| 11996 | Benzene | 71-43-2 | 0.08 J | 0.5 | 0.05 | 1 |
| 11996 | 2-Butanone | 78-93-3 | N.D. | 5.0 | 0.6 | 1 |
| 11996 | Chlorobenzene | 108-90-7 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Chloroethane | 75-00-3 | 0.3 J | 0.5 | 0.07 | 1 |
| 11996 | Cyclohexane | 110-82-7 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | 1,1-Dichloroethane | 75-34-3 | 0.6 | 0.5 | 0.07 | 1 |
| 11996 | 1,2-Dichloroethane | 107-06-2 | 0.07 J | 0.5 | 0.05 | 1 |
| 11996 | 1,1-Dichloroethene | 75-35-4 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | cis-1,2-Dichloroethene | 156-59-2 | 0.4 J | 0.5 | 0.05 | 1 |
| 11996 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | 1,2-Dichloroethene (Total)[1] | 540-59-0 | 0.4 J | 1.0 | 0.1 | 1 |
| 11996 | Ethylbenzene | 100-41-4 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Isopropylbenzene | 98-82-8 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | 5.0 | 0.7 | 1 |
| 11996 | Methylcyclohexane | 108-87-2 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | Methylene Chloride | 75-09-2 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | Tetrachloroethene | 127-18-4 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Toluene | 108-88-3 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | 1,1,1-Trichloroethane | 71-55-6 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Trichloroethene | 79-01-6 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Vinyl Chloride | 75-01-4 | 0.6 | 0.5 | 0.1 | 1 |
| 11996 | Xylene (Total) | 1330-20-7 | N.D. | 1.0 | 0.2 | 1 |
| **GC Miscellaneous** | **RSKSOP-175 modified** | | **ug/l** | **ug/l** | **ug/l** | |
| 07105 | Ethane | 74-84-0 | 43 | 5.0 | 1.0 | 1 |
| 07105 | Ethene | 74-85-1 | 5.3 | 5.0 | 1.0 | 1 |
| 07105 | Methane | 74-82-8 | 12,000 | 500 | 300 | 100 |
| **Wet Chemistry** | **EPA 300.0** | | **mg/l** | **mg/l** | **mg/l** | |
| 00224 | Chloride | 16887-00-6 | 34.2 | 4.0 | 2.0 | 10 |
| 00368 | Nitrate Nitrogen | 14797-55-8 | N.D. | 0.50 | 0.25 | 5 |
| 00228 | Sulfate | 14808-79-8 | 6.0 | 5.0 | 1.5 | 5 |
| | **SM 5310 C-2011** | | **mg/l** | **mg/l** | **mg/l** | |
| 00273 | Total Organic Carbon | n.a. | 4.3 | 1.0 | 0.50 | 1 |
| | **SM 2320 B-2011** | | **mg/l as CaCO3** | **mg/l as CaCO3** | **mg/l as CaCO3** | |

*=This limit was used in the evaluation of the final result

**Sample Description:** **DM-437S-102419 Grab Groundwater**
**General Electric Schenectady Main Plant**

**Project Name:** **GE Schenectady Main Plant**

Submittal Date/Time: 10/25/2019 11:10
Collection Date/Time: 10/24/2019 13:55
SDG#: SMP15-07

**GE-O'Brien & Gere, Inc.**
**ELLE Sample #: GW 1184407**
**ELLE Group #: 2071103**
**Matrix: Groundwater**

| CAT No. | Analysis Name | CAS Number | Result | Limit of Quantitation* | Method Detection Limit | Dilution Factor |
|---|---|---|---|---|---|---|
| **Wet Chemistry** | **SM 2320 B-2011** | | **mg/l as CaCO3** | **mg/l as CaCO3** | **mg/l as CaCO3** | |
| 12150 | Total Alkalinity to pH 4.5 | n.a. | 310 | 8.0 | 2.6 | 1 |
| 12149 | Bicarbonate Alkalinity | n.a. | 310 | 8.0 | 2.6 | 1 |

## Sample Comments

State of New York Certification No. 10670

[1] = This analyte was not on the laboratory's NYSDOH Scope of Accreditation at the time of analysis.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 11996 | VOCs 8260C | SW-846 8260C 25mL purge | 1 | H193021AA | 10/30/2019 00:11 | Miranda Campbell | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030C | 1 | H193021AA | 10/30/2019 00:10 | Miranda Campbell | 1 |
| 07105 | Methane, Ethane, Ethene | RSKSOP-175 modified | 1 | 193010002A | 10/28/2019 18:43 | Johanna C Kennedy | 1 |
| 07105 | Methane, Ethane, Ethene | RSKSOP-175 modified | 1 | 193010002A | 10/29/2019 20:18 | Johanna C Kennedy | 100 |
| 00224 | Chloride | EPA 300.0 | 1 | 19299720112A | 10/29/2019 15:08 | Kevin Litwa | 10 |
| 00368 | Nitrate Nitrogen | EPA 300.0 | 1 | 19299720112A | 10/26/2019 12:12 | Samantha Faverio | 5 |
| 00228 | Sulfate | EPA 300.0 | 1 | 19299720112A | 10/26/2019 12:12 | Samantha Faverio | 5 |
| 00273 | Total Organic Carbon | SM 5310 C-2011 | 1 | 19309304502A | 11/05/2019 17:18 | Bethany Sandone | 1 |
| 12150 | Total Alkalinity to pH 4.5 | SM 2320 B-2011 | 1 | 19304007202B | 10/31/2019 20:56 | Jeremy L Bolf | 1 |
| 12149 | Bicarbonate Alkalinity | SM 2320 B-2011 | 1 | 19304007202B | 10/31/2019 20:56 | Jeremy L Bolf | 1 |

*=This limit was used in the evaluation of the final result

**Sample Description:** **DM-437S-102419 Filtered Grab Groundwater**
**General Electric Schenectady Main Plant**

**Project Name:** **GE Schenectady Main Plant**

Submittal Date/Time: 10/25/2019 11:10
Collection Date/Time: 10/24/2019 13:55
SDG#: SMP15-08

**GE-O'Brien & Gere, Inc.**
**ELLE Sample #: GW 1184408**
**ELLE Group #: 2071103**
**Matrix: Groundwater**

| CAT No. | Analysis Name | CAS Number | Result | Limit of Quantitation* | Method Detection Limit | Dilution Factor |
|---|---|---|---|---|---|---|
| **Metals Dissolved** | | **SW-846 6010D Rev.4, July 2014** | **mg/l** | **mg/l** | **mg/l** | |
| 01754 | Iron | 7439-89-6 | 22.2 | 0.200 | 0.0400 | 1 |

## Sample Comments

State of New York Certification No. 10670
This sample was field filtered for dissolved metals.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 01754 | Iron | SW-846 6010D Rev.4, July 2014 | 1 | 193021404410 | 11/01/2019 09:36 | Patrick J Engle | 1 |
| 14044 | ICP-WW, 3005A (tot rec) - U345 | SW-846 3005A | 1 | 193021404410 | 10/30/2019 13:35 | JoElla L Rice | 1 |

*=This limit was used in the evaluation of the final result

**Sample Description:** **SEMW-5-102419 Grab Groundwater**
**General Electric Schenectady Main Plant**

**Project Name:** **GE Schenectady Main Plant**

Submittal Date/Time: 10/25/2019 11:10
Collection Date/Time: 10/24/2019 15:35
SDG#: SMP15-09

**GE-O'Brien & Gere, Inc.**
**ELLE Sample #: GW 1184409**
**ELLE Group #: 2071103**
**Matrix: Groundwater**

| CAT No. | Analysis Name | CAS Number | Result | Limit of Quantitation* | Method Detection Limit | Dilution Factor |
|---|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260C 25mL purge** | | **ug/l** | **ug/l** | **ug/l** | |
| 11996 | Acetone | 67-64-1 | N.D. | 5.0 | 0.9 | 1 |
| 11996 | Benzene | 71-43-2 | 0.08 J | 0.5 | 0.05 | 1 |
| 11996 | 2-Butanone | 78-93-3 | N.D. | 5.0 | 0.6 | 1 |
| 11996 | Chlorobenzene | 108-90-7 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Chloroethane | 75-00-3 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | Cyclohexane | 110-82-7 | 0.2 J | 0.5 | 0.05 | 1 |
| 11996 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | 1,1-Dichloroethane | 75-34-3 | 1.4 | 0.5 | 0.07 | 1 |
| 11996 | 1,2-Dichloroethane | 107-06-2 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | 1,1-Dichloroethene | 75-35-4 | 0.2 J | 0.5 | 0.06 | 1 |
| 11996 | cis-1,2-Dichloroethene | 156-59-2 | 30 | 5.0 | 0.5 | 10 |
| 11996 | trans-1,2-Dichloroethene | 156-60-5 | 0.1 J | 0.5 | 0.06 | 1 |
| 11996 | 1,2-Dichloroethene (Total)[1] | 540-59-0 | 30 | 10 | 1.1 | 10 |
| 11996 | Ethylbenzene | 100-41-4 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Isopropylbenzene | 98-82-8 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | 5.0 | 0.7 | 1 |
| 11996 | Methylcyclohexane | 108-87-2 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | Methylene Chloride | 75-09-2 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | Tetrachloroethene | 127-18-4 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Toluene | 108-88-3 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | 1,1,1-Trichloroethane | 71-55-6 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Trichloroethene | 79-01-6 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Vinyl Chloride | 75-01-4 | 53 | 5.0 | 1.0 | 10 |
| 11996 | Xylene (Total) | 1330-20-7 | N.D. | 1.0 | 0.2 | 1 |
| **GC Miscellaneous** | **RSKSOP-175 modified** | | **ug/l** | **ug/l** | **ug/l** | |
| 07105 | Ethane | 74-84-0 | 5.5 | 5.0 | 1.0 | 1 |
| 07105 | Ethene | 74-85-1 | 39 | 5.0 | 1.0 | 1 |
| 07105 | Methane | 74-82-8 | 9,200 | 500 | 300 | 100 |
| **Wet Chemistry** | **EPA 300.0** | | **mg/l** | **mg/l** | **mg/l** | |
| 00224 | Chloride | 16887-00-6 | 103 | 20.0 | 10.0 | 50 |
| 00368 | Nitrate Nitrogen | 14797-55-8 | N.D. | 0.50 | 0.25 | 5 |
| 00228 | Sulfate | 14808-79-8 | 15.9 | 5.0 | 1.5 | 5 |
| | **SM 5310 C-2011** | | **mg/l** | **mg/l** | **mg/l** | |
| 00273 | Total Organic Carbon | n.a. | 3.3 | 1.0 | 0.50 | 1 |
| | **SM 2320 B-2011** | | **mg/l as CaCO3** | **mg/l as CaCO3** | **mg/l as CaCO3** | |

*=This limit was used in the evaluation of the final result

**Sample Description:** **SEMW-5-102419 Grab Groundwater**
**General Electric Schenectady Main Plant**

**Project Name:** **GE Schenectady Main Plant**

Submittal Date/Time: 10/25/2019 11:10
Collection Date/Time: 10/24/2019 15:35
SDG#: SMP15-09

**GE-O'Brien & Gere, Inc.**
**ELLE Sample #: GW 1184409**
**ELLE Group #: 2071103**
**Matrix: Groundwater**

| CAT No. | Analysis Name | CAS Number | Result | Limit of Quantitation* | Method Detection Limit | Dilution Factor |
|---|---|---|---|---|---|---|
| **Wet Chemistry** | **SM 2320 B-2011** | | **mg/l as CaCO3** | **mg/l as CaCO3** | **mg/l as CaCO3** | |
| 12150 | Total Alkalinity to pH 4.5 | n.a. | 320 | 8.0 | 2.6 | 1 |
| 12149 | Bicarbonate Alkalinity | n.a. | 320 | 8.0 | 2.6 | 1 |

## Sample Comments

State of New York Certification No. 10670

[1] = This analyte was not on the laboratory's NYSDOH Scope of Accreditation at the time of analysis.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 11996 | VOCs 8260C | SW-846 8260C 25mL purge | 1 | H193021AA | 10/30/2019 01:59 | Miranda Campbell | 1 |
| 11996 | VOCs 8260C | SW-846 8260C 25mL purge | 1 | H193021AA | 10/30/2019 02:21 | Miranda Campbell | 10 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030C | 1 | H193021AA | 10/30/2019 01:58 | Miranda Campbell | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030C | 2 | H193021AA | 10/30/2019 02:20 | Miranda Campbell | 10 |
| 07105 | Methane, Ethane, Ethene | RSKSOP-175 modified | 1 | 193010002A | 10/28/2019 19:01 | Johanna C Kennedy | 1 |
| 07105 | Methane, Ethane, Ethene | RSKSOP-175 modified | 1 | 193010002A | 10/29/2019 20:37 | Johanna C Kennedy | 100 |
| 00224 | Chloride | EPA 300.0 | 1 | 19299720112A | 10/29/2019 14:53 | Kevin Litwa | 50 |
| 00368 | Nitrate Nitrogen | EPA 300.0 | 1 | 19299720112A | 10/26/2019 12:28 | Samantha Faverio | 5 |
| 00228 | Sulfate | EPA 300.0 | 1 | 19299720112A | 10/26/2019 12:28 | Samantha Faverio | 5 |
| 00273 | Total Organic Carbon | SM 5310 C-2011 | 1 | 19309304502A | 11/05/2019 17:31 | Bethany Sandone | 1 |
| 12150 | Total Alkalinity to pH 4.5 | SM 2320 B-2011 | 1 | 19304007202A | 10/31/2019 21:31 | Jeremy L Bolf | 1 |
| 12149 | Bicarbonate Alkalinity | SM 2320 B-2011 | 1 | 19304007202A | 10/31/2019 21:31 | Jeremy L Bolf | 1 |

*=This limit was used in the evaluation of the final result

**Sample Description:** **SEMW-5-102419 Filtered Grab Groundwater**
**General Electric Schenectady Main Plant**

**Project Name:** **GE Schenectady Main Plant**

Submittal Date/Time: 10/25/2019 11:10
Collection Date/Time: 10/24/2019 15:35
SDG#: SMP15-10

**GE-O'Brien & Gere, Inc.**
**ELLE Sample #: GW 1184410**
**ELLE Group #: 2071103**
**Matrix: Groundwater**

| CAT No. | Analysis Name | CAS Number | Result | Limit of Quantitation* | Method Detection Limit | Dilution Factor |
|---|---|---|---|---|---|---|
| **Metals Dissolved** | **SW-846 6010D Rev.4, July 2014** | | **mg/l** | **mg/l** | **mg/l** | |
| 01754 | Iron | 7439-89-6 | 5.33 | 0.200 | 0.0400 | 1 |

## Sample Comments

State of New York Certification No. 10670
This sample was field filtered for dissolved metals.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 01754 | Iron | SW-846 6010D Rev.4, July 2014 | 1 | 193021404410 | 11/01/2019 09:29 | Patrick J Engle | 1 |
| 14044 | ICP-WW, 3005A (tot rec) - U345 | SW-846 3005A | 1 | 193021404410 | 10/30/2019 13:35 | JoElla L Rice | 1 |

*=This limit was used in the evaluation of the final result

**Sample Description:** **SEMW-4-102419 Grab Groundwater**
**General Electric Schenectady Main Plant**

**Project Name:** **GE Schenectady Main Plant**

Submittal Date/Time: 10/25/2019 11:10
Collection Date/Time: 10/24/2019 16:30
SDG#: SMP15-11

**GE-O'Brien & Gere, Inc.**
**ELLE Sample #: GW 1184411**
**ELLE Group #: 2071103**
**Matrix: Groundwater**

| CAT No. | Analysis Name | CAS Number | Result | Limit of Quantitation* | Method Detection Limit | Dilution Factor |
|---|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260C 25mL purge** | | **ug/l** | **ug/l** | **ug/l** | |
| 11996 | Acetone | 67-64-1 | N.D. | 10 | 1.8 | 2 |
| 11996 | Benzene | 71-43-2 | N.D. | 1.0 | 0.1 | 2 |
| 11996 | 2-Butanone | 78-93-3 | N.D. | 10 | 1.2 | 2 |
| 11996 | Chlorobenzene | 108-90-7 | N.D. | 1.0 | 0.1 | 2 |
| 11996 | Chloroethane | 75-00-3 | N.D. | 1.0 | 0.1 | 2 |
| 11996 | Cyclohexane | 110-82-7 | N.D. | 1.0 | 0.1 | 2 |
| 11996 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | 1.0 | 0.1 | 2 |
| 11996 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | 1.0 | 0.1 | 2 |
| 11996 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | 1.0 | 0.1 | 2 |
| 11996 | 1,1-Dichloroethane | 75-34-3 | 1 J | 1.0 | 0.1 | 2 |
| 11996 | 1,2-Dichloroethane | 107-06-2 | 0.2 J | 1.0 | 0.1 | 2 |
| 11996 | 1,1-Dichloroethene | 75-35-4 | 0.2 J | 1.0 | 0.1 | 2 |
| 11996 | cis-1,2-Dichloroethene | 156-59-2 | 95 | 10 | 1.0 | 20 |
| 11996 | trans-1,2-Dichloroethene | 156-60-5 | 0.7 J | 1.0 | 0.1 | 2 |
| 11996 | 1,2-Dichloroethene (Total)[1] | 540-59-0 | 97 | 20 | 2.2 | 20 |
| 11996 | Ethylbenzene | 100-41-4 | N.D. | 1.0 | 0.1 | 2 |
| 11996 | Isopropylbenzene | 98-82-8 | N.D. | 1.0 | 0.1 | 2 |
| 11996 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | 10 | 1.4 | 2 |
| 11996 | Methylcyclohexane | 108-87-2 | N.D. | 1.0 | 0.1 | 2 |
| 11996 | Methylene Chloride | 75-09-2 | N.D. | 1.0 | 0.1 | 2 |
| 11996 | Tetrachloroethene | 127-18-4 | N.D. | 1.0 | 0.1 | 2 |
| 11996 | Toluene | 108-88-3 | N.D. | 1.0 | 0.1 | 2 |
| 11996 | 1,1,1-Trichloroethane | 71-55-6 | N.D. | 1.0 | 0.1 | 2 |
| 11996 | Trichloroethene | 79-01-6 | N.D. | 1.0 | 0.1 | 2 |
| 11996 | Vinyl Chloride | 75-01-4 | 110 | 10 | 2.0 | 20 |
| 11996 | Xylene (Total) | 1330-20-7 | N.D. | 2.0 | 0.3 | 2 |
| **GC Miscellaneous** | **RSKSOP-175 modified** | | **ug/l** | **ug/l** | **ug/l** | |
| 07105 | Ethane | 74-84-0 | 13 | 5.0 | 1.0 | 1 |
| 07105 | Ethene | 74-85-1 | 14 | 5.0 | 1.0 | 1 |
| 07105 | Methane | 74-82-8 | 2,600 | 100 | 60 | 20 |
| **Wet Chemistry** | **EPA 300.0** | | **mg/l** | **mg/l** | **mg/l** | |
| 00224 | Chloride | 16887-00-6 | 7.4 | 2.0 | 1.0 | 5 |
| 00368 | Nitrate Nitrogen | 14797-55-8 | N.D. | 0.50 | 0.25 | 5 |
| 00228 | Sulfate | 14808-79-8 | 30.9 | 5.0 | 1.5 | 5 |
| | **SM 5310 C-2011** | | **mg/l** | **mg/l** | **mg/l** | |
| 00273 | Total Organic Carbon | n.a. | 4.5 | 1.0 | 0.50 | 1 |
| | **SM 2320 B-2011** | | **mg/l as CaCO3** | **mg/l as CaCO3** | **mg/l as CaCO3** | |

*=This limit was used in the evaluation of the final result

**Sample Description:** **SEMW-4-102419 Grab Groundwater**
**General Electric Schenectady Main Plant**

**Project Name:** **GE Schenectady Main Plant**

Submittal Date/Time: 10/25/2019 11:10
Collection Date/Time: 10/24/2019 16:30
SDG#: SMP15-11

**GE-O'Brien & Gere, Inc.**
**ELLE Sample #: GW 1184411**
**ELLE Group #: 2071103**
**Matrix: Groundwater**

| CAT No. | Analysis Name | CAS Number | Result | Limit of Quantitation* | Method Detection Limit | Dilution Factor |
|---|---|---|---|---|---|---|
| **Wet Chemistry** | **SM 2320 B-2011** | | **mg/l as CaCO3** | **mg/l as CaCO3** | **mg/l as CaCO3** | |
| 12150 | Total Alkalinity to pH 4.5 | n.a. | 193 | 8.0 | 2.6 | 1 |
| 12149 | Bicarbonate Alkalinity | n.a. | 193 | 8.0 | 2.6 | 1 |

## Sample Comments

State of New York Certification No. 10670

[1] = This analyte was not on the laboratory's NYSDOH Scope of Accreditation at the time of analysis.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 11996 | VOCs 8260C | SW-846 8260C 25mL purge | 1 | H193021AA | 10/30/2019 02:42 | Miranda Campbell | 2 |
| 11996 | VOCs 8260C | SW-846 8260C 25mL purge | 1 | H193021AA | 10/30/2019 03:04 | Miranda Campbell | 20 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030C | 1 | H193021AA | 10/30/2019 02:41 | Miranda Campbell | 2 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030C | 2 | H193021AA | 10/30/2019 03:03 | Miranda Campbell | 20 |
| 07105 | Methane, Ethane, Ethene | RSKSOP-175 modified | 1 | 193010002A | 10/28/2019 19:19 | Johanna C Kennedy | 1 |
| 07105 | Methane, Ethane, Ethene | RSKSOP-175 modified | 1 | 193010002A | 10/29/2019 11:25 | Johanna C Kennedy | 20 |
| 00224 | Chloride | EPA 300.0 | 1 | 19299720112A | 10/26/2019 12:43 | Samantha Faverio | 5 |
| 00368 | Nitrate Nitrogen | EPA 300.0 | 1 | 19299720112A | 10/26/2019 12:43 | Samantha Faverio | 5 |
| 00228 | Sulfate | EPA 300.0 | 1 | 19299720112A | 10/26/2019 12:43 | Samantha Faverio | 5 |
| 00273 | Total Organic Carbon | SM 5310 C-2011 | 1 | 19309304502A | 11/05/2019 17:43 | Bethany Sandone | 1 |
| 12150 | Total Alkalinity to pH 4.5 | SM 2320 B-2011 | 1 | 19301009203A | 10/29/2019 00:53 | Jeremy L Bolf | 1 |
| 12149 | Bicarbonate Alkalinity | SM 2320 B-2011 | 1 | 19301009203A | 10/29/2019 00:53 | Jeremy L Bolf | 1 |

*=This limit was used in the evaluation of the final result

**Sample Description:** **SEMW-4-102419 Filtered Grab Groundwater**
**General Electric Schenectady Main Plant**

**Project Name:** **GE Schenectady Main Plant**

Submittal Date/Time: 10/25/2019 11:10
Collection Date/Time: 10/24/2019 16:30
SDG#: SMP15-12

**GE-O'Brien & Gere, Inc.**
**ELLE Sample #: GW 1184412**
**ELLE Group #: 2071103**
**Matrix: Groundwater**

| CAT No. | Analysis Name | CAS Number | Result | Limit of Quantitation* | Method Detection Limit | Dilution Factor |
|---|---|---|---|---|---|---|
| **Metals Dissolved** | **SW-846 6010D Rev.4, July 2014** | | **mg/l** | **mg/l** | **mg/l** | |
| 01754 | Iron | 7439-89-6 | 2.18 | 0.200 | 0.0400 | 1 |

## Sample Comments

State of New York Certification No. 10670
This sample was field filtered for dissolved metals.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 01754 | Iron | SW-846 6010D Rev.4, July 2014 | 1 | 193021404410 | 11/01/2019 08:55 | Patrick J Engle | 1 |
| 14044 | ICP-WW, 3005A (tot rec) - U345 | SW-846 3005A | 1 | 193021404410 | 10/30/2019 13:35 | JoElla L Rice | 1 |

*=This limit was used in the evaluation of the final result

**Sample Description:** **X-01-102419 Grab Groundwater**
**General Electric Schenectady Main Plant**

**Project Name:** **GE Schenectady Main Plant**

Submittal Date/Time: 10/25/2019 11:10
Collection Date/Time: 10/24/2019
SDG#: SMP15-13FD

**GE-O'Brien & Gere, Inc.**
**ELLE Sample #: GW 1184413**
**ELLE Group #: 2071103**
**Matrix: Groundwater**

| CAT No. | Analysis Name | CAS Number | Result | Limit of Quantitation* | Method Detection Limit | Dilution Factor |
|---|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260C 25mL purge** | | **ug/l** | **ug/l** | **ug/l** | |
| 11996 | Acetone | 67-64-1 | N.D. | 10 | 1.8 | 2 |
| 11996 | Benzene | 71-43-2 | N.D. | 1.0 | 0.1 | 2 |
| 11996 | 2-Butanone | 78-93-3 | N.D. | 10 | 1.2 | 2 |
| 11996 | Chlorobenzene | 108-90-7 | N.D. | 1.0 | 0.1 | 2 |
| 11996 | Chloroethane | 75-00-3 | N.D. | 1.0 | 0.1 | 2 |
| 11996 | Cyclohexane | 110-82-7 | 0.7 J | 1.0 | 0.1 | 2 |
| 11996 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | 1.0 | 0.1 | 2 |
| 11996 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | 1.0 | 0.1 | 2 |
| 11996 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | 1.0 | 0.1 | 2 |
| 11996 | 1,1-Dichloroethane | 75-34-3 | 5.4 | 1.0 | 0.1 | 2 |
| 11996 | 1,2-Dichloroethane | 107-06-2 | N.D. | 1.0 | 0.1 | 2 |
| 11996 | 1,1-Dichloroethene | 75-35-4 | 0.5 J | 1.0 | 0.1 | 2 |
| 11996 | cis-1,2-Dichloroethene | 156-59-2 | 140 | 10 | 1.0 | 20 |
| 11996 | trans-1,2-Dichloroethene | 156-60-5 | 0.3 J | 1.0 | 0.1 | 2 |
| 11996 | 1,2-Dichloroethene (Total)[1] | 540-59-0 | 140 | 20 | 2.2 | 20 |
| 11996 | Ethylbenzene | 100-41-4 | N.D. | 1.0 | 0.1 | 2 |
| 11996 | Isopropylbenzene | 98-82-8 | N.D. | 1.0 | 0.1 | 2 |
| 11996 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | 10 | 1.4 | 2 |
| 11996 | Methylcyclohexane | 108-87-2 | N.D. | 1.0 | 0.1 | 2 |
| 11996 | Methylene Chloride | 75-09-2 | N.D. | 1.0 | 0.1 | 2 |
| 11996 | Tetrachloroethene | 127-18-4 | N.D. | 1.0 | 0.1 | 2 |
| 11996 | Toluene | 108-88-3 | N.D. | 1.0 | 0.1 | 2 |
| 11996 | 1,1,1-Trichloroethane | 71-55-6 | N.D. | 1.0 | 0.1 | 2 |
| 11996 | Trichloroethene | 79-01-6 | N.D. | 1.0 | 0.1 | 2 |
| 11996 | Vinyl Chloride | 75-01-4 | 94 | 10 | 2.0 | 20 |
| 11996 | Xylene (Total) | 1330-20-7 | N.D. | 2.0 | 0.3 | 2 |
| **GC Miscellaneous** | **RSKSOP-175 modified** | | **ug/l** | **ug/l** | **ug/l** | |
| 07105 | Ethane | 74-84-0 | N.D. | 5.0 | 1.0 | 1 |
| 07105 | Ethene | 74-85-1 | 2.1 J | 5.0 | 1.0 | 1 |
| 07105 | Methane | 74-82-8 | 2,000 | 250 | 150 | 50 |
| **Wet Chemistry** | **EPA 300.0** | | **mg/l** | **mg/l** | **mg/l** | |
| 00224 | Chloride | 16887-00-6 | 80.7 | 8.0 | 4.0 | 20 |
| 00368 | Nitrate Nitrogen | 14797-55-8 | N.D. | 0.50 | 0.25 | 5 |
| 00228 | Sulfate | 14808-79-8 | 34.7 | 5.0 | 1.5 | 5 |
| | **SM 5310 C-2011** | | **mg/l** | **mg/l** | **mg/l** | |
| 00273 | Total Organic Carbon | n.a. | 3.3 | 1.0 | 0.50 | 1 |
| | **SM 2320 B-2011** | | **mg/l as CaCO3** | **mg/l as CaCO3** | **mg/l as CaCO3** | |

*=This limit was used in the evaluation of the final result

**Sample Description:** **X-01-102419 Grab Groundwater**
**General Electric Schenectady Main Plant**

**Project Name:** **GE Schenectady Main Plant**

Submittal Date/Time: 10/25/2019 11:10
Collection Date/Time: 10/24/2019
SDG#: SMP15-13FD

**GE-O'Brien & Gere, Inc.**
**ELLE Sample #: GW 1184413**
**ELLE Group #: 2071103**
**Matrix: Groundwater**

| CAT No. | Analysis Name | CAS Number | Result | Limit of Quantitation* | Method Detection Limit | Dilution Factor |
|---|---|---|---|---|---|---|
| **Wet Chemistry** | **SM 2320 B-2011** | | **mg/l as CaCO3** | **mg/l as CaCO3** | **mg/l as CaCO3** | |
| 12150 | Total Alkalinity to pH 4.5 | n.a. | 279 | 8.0 | 2.6 | 1 |
| 12149 | Bicarbonate Alkalinity | n.a. | 279 | 8.0 | 2.6 | 1 |

## Sample Comments

State of New York Certification No. 10670

[1] = This analyte was not on the laboratory's NYSDOH Scope of Accreditation at the time of analysis.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 11996 | VOCs 8260C | SW-846 8260C 25mL purge | 1 | H193021AA | 10/30/2019 03:26 | Miranda Campbell | 2 |
| 11996 | VOCs 8260C | SW-846 8260C 25mL purge | 1 | H193021AA | 10/30/2019 03:47 | Miranda Campbell | 20 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030C | 1 | H193021AA | 10/30/2019 03:25 | Miranda Campbell | 2 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030C | 2 | H193021AA | 10/30/2019 03:46 | Miranda Campbell | 20 |
| 07105 | Methane, Ethane, Ethene | RSKSOP-175 modified | 1 | 193010002A | 10/28/2019 19:38 | Johanna C Kennedy | 1 |
| 07105 | Methane, Ethane, Ethene | RSKSOP-175 modified | 1 | 193010002A | 10/29/2019 20:55 | Johanna C Kennedy | 50 |
| 00224 | Chloride | EPA 300.0 | 1 | 19299720112A | 10/29/2019 15:39 | Kevin Litwa | 20 |
| 00368 | Nitrate Nitrogen | EPA 300.0 | 1 | 19299720112B | 10/26/2019 20:00 | Samantha Faverio | 5 |
| 00228 | Sulfate | EPA 300.0 | 1 | 19299720112B | 10/26/2019 20:00 | Samantha Faverio | 5 |
| 00273 | Total Organic Carbon | SM 5310 C-2011 | 1 | 19309304502A | 11/05/2019 18:23 | Bethany Sandone | 1 |
| 12150 | Total Alkalinity to pH 4.5 | SM 2320 B-2011 | 1 | 19304007202A | 10/31/2019 21:38 | Jeremy L Bolf | 1 |
| 12149 | Bicarbonate Alkalinity | SM 2320 B-2011 | 1 | 19304007202A | 10/31/2019 21:38 | Jeremy L Bolf | 1 |

*=This limit was used in the evaluation of the final result

**Sample Description:** **X-01-102419 Filtered Grab Groundwater**
**General Electric Schenectady Main Plant**

**Project Name:** **GE Schenectady Main Plant**

Submittal Date/Time: 10/25/2019 11:10
Collection Date/Time: 10/24/2019
SDG#: SMP15-14FD

**GE-O'Brien & Gere, Inc.**
**ELLE Sample #: GW 1184414**
**ELLE Group #: 2071103**
**Matrix: Groundwater**

| CAT No. | Analysis Name | CAS Number | Result | Limit of Quantitation* | Method Detection Limit | Dilution Factor |
|---|---|---|---|---|---|---|
| **Metals Dissolved** | **SW-846 6010D Rev.4, July 2014** | | **mg/l** | **mg/l** | **mg/l** | |
| 01754 | Iron | 7439-89-6 | 2.78 | 0.200 | 0.0400 | 1 |

## Sample Comments

State of New York Certification No. 10670
This sample was field filtered for dissolved metals.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 01754 | Iron | SW-846 6010D Rev.4, July 2014 | 1 | 193021404410 | 11/01/2019 08:59 | Patrick J Engle | 1 |
| 14044 | ICP-WW, 3005A (tot rec) - U345 | SW-846 3005A | 1 | 193021404410 | 10/30/2019 13:35 | JoElla L Rice | 1 |

*=This limit was used in the evaluation of the final result

**Sample Description:** **TB-01-102419 Water**
**General Electric Schenectady Main Plant**

**Project Name:** **GE Schenectady Main Plant**

Submittal Date/Time: 10/25/2019 11:10
Collection Date/Time: 10/24/2019
SDG#: SMP15-15TB

**GE-O'Brien & Gere, Inc.**
**ELLE Sample #: GW 1184415**
**ELLE Group #: 2071103**
**Matrix: Water**

| CAT No. | Analysis Name | CAS Number | Result | Limit of Quantitation* | Method Detection Limit | Dilution Factor |
|---|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260C 25mL purge** | | **ug/l** | **ug/l** | **ug/l** | |
| 11996 | Acetone | 67-64-1 | N.D. | 5.0 | 0.9 | 1 |
| 11996 | Benzene | 71-43-2 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | 2-Butanone | 78-93-3 | N.D. | 5.0 | 0.6 | 1 |
| 11996 | Chlorobenzene | 108-90-7 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Chloroethane | 75-00-3 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | Cyclohexane | 110-82-7 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | 1,1-Dichloroethane | 75-34-3 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | 1,2-Dichloroethane | 107-06-2 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | 1,1-Dichloroethene | 75-35-4 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | 1,2-Dichloroethene (Total)[1] | 540-59-0 | N.D. | 1.0 | 0.1 | 1 |
| 11996 | Ethylbenzene | 100-41-4 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Isopropylbenzene | 98-82-8 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | 5.0 | 0.7 | 1 |
| 11996 | Methylcyclohexane | 108-87-2 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | Methylene Chloride | 75-09-2 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | Tetrachloroethene | 127-18-4 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Toluene | 108-88-3 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | 1,1,1-Trichloroethane | 71-55-6 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Trichloroethene | 79-01-6 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Vinyl Chloride | 75-01-4 | N.D. | 0.5 | 0.1 | 1 |
| 11996 | Xylene (Total) | 1330-20-7 | N.D. | 1.0 | 0.2 | 1 |

## Sample Comments

State of New York Certification No. 10670

[1] = This analyte was not on the laboratory's NYSDOH Scope of Accreditation at the time of analysis.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 11996 | VOCs 8260C | SW-846 8260C 25mL purge | 1 | H193021AA | 10/29/2019 22:24 | Miranda Campbell | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030C | 1 | H193021AA | 10/29/2019 22:23 | Miranda Campbell | 1 |

*=This limit was used in the evaluation of the final result

**Sample Description:** **SEMW-6-102519 Grab Groundwater**
**General Electric Schenectady Main Plant**

**Project Name:** **GE Schenectady Main Plant**

Submittal Date/Time: 10/26/2019 10:40
Collection Date/Time: 10/25/2019 10:25
SDG#: SMP15-16

**GE-O'Brien & Gere, Inc.**
**ELLE Sample #: GW 1184837**
**ELLE Group #: 2071206**
**Matrix: Groundwater**

| CAT No. | Analysis Name | CAS Number | Result | Limit of Quantitation* | Method Detection Limit | Dilution Factor |
|---|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260C 25mL purge** | | **ug/l** | **ug/l** | **ug/l** | |
| 11996 | Acetone | 67-64-1 | N.D. | 5.0 | 0.9 | 1 |
| 11996 | Benzene | 71-43-2 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | 2-Butanone | 78-93-3 | N.D. | 5.0 | 0.6 | 1 |
| 11996 | Chlorobenzene | 108-90-7 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Chloroethane | 75-00-3 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | Cyclohexane | 110-82-7 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | 1,1-Dichloroethane | 75-34-3 | 0.1 J | 0.5 | 0.07 | 1 |
| 11996 | 1,2-Dichloroethane | 107-06-2 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | 1,1-Dichloroethene | 75-35-4 | 0.1 J | 0.5 | 0.06 | 1 |
| 11996 | cis-1,2-Dichloroethene | 156-59-2 | 47 | 5.0 | 0.5 | 10 |
| 11996 | trans-1,2-Dichloroethene | 156-60-5 | 0.1 J | 0.5 | 0.06 | 1 |
| 11996 | 1,2-Dichloroethene (Total)[1] | 540-59-0 | 47 | 10 | 1.1 | 10 |
| 11996 | Ethylbenzene | 100-41-4 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Isopropylbenzene | 98-82-8 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | 5.0 | 0.7 | 1 |
| 11996 | Methylcyclohexane | 108-87-2 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | Methylene Chloride | 75-09-2 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | Tetrachloroethene | 127-18-4 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Toluene | 108-88-3 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | 1,1,1-Trichloroethane | 71-55-6 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Trichloroethene | 79-01-6 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Vinyl Chloride | 75-01-4 | 40 | 5.0 | 1.0 | 10 |
| 11996 | Xylene (Total) | 1330-20-7 | N.D. | 1.0 | 0.2 | 1 |
| **GC Miscellaneous** | **RSKSOP-175 modified** | | **ug/l** | **ug/l** | **ug/l** | |
| 07105 | Ethane | 74-84-0 | 18 | 5.0 | 1.0 | 1 |
| 07105 | Ethene | 74-85-1 | 13 | 5.0 | 1.0 | 1 |
| 07105 | Methane | 74-82-8 | 3,300 | 250 | 150 | 50 |
| **Wet Chemistry** | **EPA 300.0** | | **mg/l** | **mg/l** | **mg/l** | |
| 00224 | Chloride | 16887-00-6 | 77.0 | 8.0 | 4.0 | 20 |
| 00368 | Nitrate Nitrogen | 14797-55-8 | N.D. | 0.50 | 0.25 | 5 |
| 00228 | Sulfate | 14808-79-8 | 23.0 | 5.0 | 1.5 | 5 |
| | **SM 5310 C-2011** | | **mg/l** | **mg/l** | **mg/l** | |
| 00273 | Total Organic Carbon | n.a. | 4.5 | 1.0 | 0.50 | 1 |
| | **SM 2320 B-2011** | | **mg/l as CaCO3** | **mg/l as CaCO3** | **mg/l as CaCO3** | |

*=This limit was used in the evaluation of the final result

**Sample Description:** **SEMW-6-102519 Grab Groundwater**
**General Electric Schenectady Main Plant**

**Project Name:** **GE Schenectady Main Plant**

Submittal Date/Time: 10/26/2019 10:40
Collection Date/Time: 10/25/2019 10:25
SDG#: SMP15-16

**GE-O'Brien & Gere, Inc.**
**ELLE Sample #: GW 1184837**
**ELLE Group #: 2071206**
**Matrix: Groundwater**

| CAT No. | Analysis Name | CAS Number | Result | Limit of Quantitation* | Method Detection Limit | Dilution Factor |
|---|---|---|---|---|---|---|
| **Wet Chemistry** | **SM 2320 B-2011** | | **mg/l as CaCO3** | **mg/l as CaCO3** | **mg/l as CaCO3** | |
| 12150 | Total Alkalinity to pH 4.5 | n.a. | 351 | 8.0 | 2.6 | 1 |
| 12149 | Bicarbonate Alkalinity | n.a. | 351 | 8.0 | 2.6 | 1 |

## Sample Comments

State of New York Certification No. 10670

[1] = This analyte was not on the laboratory's NYSDOH Scope of Accreditation at the time of analysis.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 11996 | VOCs 8260C | SW-846 8260C 25mL purge | 1 | H193021AA | 10/30/2019 04:09 | Miranda Campbell | 1 |
| 11996 | VOCs 8260C | SW-846 8260C 25mL purge | 1 | H193021AA | 10/30/2019 04:30 | Miranda Campbell | 10 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030C | 1 | H193021AA | 10/30/2019 04:08 | Miranda Campbell | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030C | 2 | H193021AA | 10/30/2019 04:29 | Miranda Campbell | 10 |
| 07105 | Methane, Ethane, Ethene | RSKSOP-175 modified | 1 | 193010002A | 10/28/2019 19:56 | Johanna C Kennedy | 1 |
| 07105 | Methane, Ethane, Ethene | RSKSOP-175 modified | 1 | 193010002A | 10/29/2019 21:32 | Johanna C Kennedy | 50 |
| 00224 | Chloride | EPA 300.0 | 1 | 19299720112A | 10/26/2019 20:46 | Samantha Faverio | 20 |
| 00368 | Nitrate Nitrogen | EPA 300.0 | 1 | 19299720112A | 10/26/2019 20:31 | Samantha Faverio | 5 |
| 00228 | Sulfate | EPA 300.0 | 1 | 19299720112A | 10/26/2019 20:31 | Samantha Faverio | 5 |
| 00273 | Total Organic Carbon | SM 5310 C-2011 | 1 | 19309304503A | 11/06/2019 00:09 | Bethany Sandone | 1 |
| 12150 | Total Alkalinity to pH 4.5 | SM 2320 B-2011 | 1 | 19304007202A | 10/31/2019 21:09 | Jeremy L Bolf | 1 |
| 12149 | Bicarbonate Alkalinity | SM 2320 B-2011 | 1 | 19304007202A | 10/31/2019 21:09 | Jeremy L Bolf | 1 |

*=This limit was used in the evaluation of the final result

**Sample Description:** **SEMW-6-102519 Filtered Grab Groundwater**
**General Electric Schenectady Main Plant**

**Project Name:** **GE Schenectady Main Plant**

Submittal Date/Time: 10/26/2019 10:40
Collection Date/Time: 10/25/2019 10:25
SDG#: SMP15-17

**GE-O'Brien & Gere, Inc.**
**ELLE Sample #: GW 1184838**
**ELLE Group #: 2071206**
**Matrix: Groundwater**

| CAT No. | Analysis Name | CAS Number | Result | Limit of Quantitation* | Method Detection Limit | Dilution Factor |
|---|---|---|---|---|---|---|
| **Metals Dissolved** | **SW-846 6010D Rev.4, July 2014** | | **mg/l** | **mg/l** | **mg/l** | |
| 01754 | Iron | 7439-89-6 | 11.8 | 0.200 | 0.0400 | 1 |

## Sample Comments

State of New York Certification No. 10670

This sample was field filtered for dissolved metals.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 01754 | Iron | SW-846 6010D Rev.4, July 2014 | 1 | 193021404406 | 11/01/2019 01:22 | Elaine F Stoltzfus | 1 |
| 14044 | ICP-WW, 3005A (tot rec) - U345 | SW-846 3005A | 1 | 193021404406 | 10/30/2019 13:35 | JoElla L Rice | 1 |

*=This limit was used in the evaluation of the final result

**Sample Description:** **SEMW-8-102519 Grab Groundwater**
**General Electric Schenectady Main Plant**

**Project Name:** **GE Schenectady Main Plant**

Submittal Date/Time: 10/26/2019 10:40
Collection Date/Time: 10/25/2019 10:30
SDG#: SMP15-18

**GE-O'Brien & Gere, Inc.**
**ELLE Sample #: GW 1184839**
**ELLE Group #: 2071206**
**Matrix: Groundwater**

| CAT No. | Analysis Name | CAS Number | Result | Limit of Quantitation* | Method Detection Limit | Dilution Factor |
|---|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260C 25mL purge** | | **ug/l** | **ug/l** | **ug/l** | |
| 11996 | Acetone | 67-64-1 | N.D. | 5.0 | 0.9 | 1 |
| 11996 | Benzene | 71-43-2 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | 2-Butanone | 78-93-3 | N.D. | 5.0 | 0.6 | 1 |
| 11996 | Chlorobenzene | 108-90-7 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Chloroethane | 75-00-3 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | Cyclohexane | 110-82-7 | 0.5 | 0.5 | 0.05 | 1 |
| 11996 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | 1,1-Dichloroethane | 75-34-3 | 0.2 J | 0.5 | 0.07 | 1 |
| 11996 | 1,2-Dichloroethane | 107-06-2 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | 1,1-Dichloroethene | 75-35-4 | 0.06 J | 0.5 | 0.06 | 1 |
| 11996 | cis-1,2-Dichloroethene | 156-59-2 | 12 | 0.5 | 0.05 | 1 |
| 11996 | trans-1,2-Dichloroethene | 156-60-5 | 0.3 J | 0.5 | 0.06 | 1 |
| 11996 | 1,2-Dichloroethene (Total)[1] | 540-59-0 | 12 | 1.0 | 0.1 | 1 |
| 11996 | Ethylbenzene | 100-41-4 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Isopropylbenzene | 98-82-8 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | 5.0 | 0.7 | 1 |
| 11996 | Methylcyclohexane | 108-87-2 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | Methylene Chloride | 75-09-2 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | Tetrachloroethene | 127-18-4 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Toluene | 108-88-3 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | 1,1,1-Trichloroethane | 71-55-6 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Trichloroethene | 79-01-6 | 0.5 | 0.5 | 0.06 | 1 |
| 11996 | Vinyl Chloride | 75-01-4 | 3.1 | 0.5 | 0.1 | 1 |
| 11996 | Xylene (Total) | 1330-20-7 | N.D. | 1.0 | 0.2 | 1 |
| **GC Miscellaneous** | **RSKSOP-175 modified** | | **ug/l** | **ug/l** | **ug/l** | |
| 07105 | Ethane | 74-84-0 | 3.7 J | 5.0 | 1.0 | 1 |
| 07105 | Ethene | 74-85-1 | N.D. | 5.0 | 1.0 | 1 |
| 07105 | Methane | 74-82-8 | 2,600 | 100 | 60 | 20 |
| **Wet Chemistry** | **EPA 300.0** | | **mg/l** | **mg/l** | **mg/l** | |
| 00224 | Chloride | 16887-00-6 | 56.7 | 20.0 | 10.0 | 50 |
| 00368 | Nitrate Nitrogen | 14797-55-8 | N.D. | 0.50 | 0.25 | 5 |
| 00228 | Sulfate | 14808-79-8 | 27.8 | 5.0 | 1.5 | 5 |
| | **SM 5310 C-2011** | | **mg/l** | **mg/l** | **mg/l** | |
| 00273 | Total Organic Carbon | n.a. | 4.3 | 1.0 | 0.50 | 1 |
| | **SM 2320 B-2011** | | **mg/l as CaCO3** | **mg/l as CaCO3** | **mg/l as CaCO3** | |

*=This limit was used in the evaluation of the final result

**Sample Description:** **SEMW-8-102519 Grab Groundwater**
**General Electric Schenectady Main Plant**

**Project Name:** **GE Schenectady Main Plant**

Submittal Date/Time: 10/26/2019 10:40
Collection Date/Time: 10/25/2019 10:30
SDG#: SMP15-18

**GE-O'Brien & Gere, Inc.**
**ELLE Sample #: GW 1184839**
**ELLE Group #: 2071206**
**Matrix: Groundwater**

| CAT No. | Analysis Name | CAS Number | Result | Limit of Quantitation* | Method Detection Limit | Dilution Factor |
|---|---|---|---|---|---|---|
| **Wet Chemistry** | **SM 2320 B-2011** | | **mg/l as CaCO3** | **mg/l as CaCO3** | **mg/l as CaCO3** | |
| 12150 | Total Alkalinity to pH 4.5 | n.a. | 567 | 8.0 | 2.6 | 1 |
| 12149 | Bicarbonate Alkalinity | n.a. | 567 | 8.0 | 2.6 | 1 |

## Sample Comments

State of New York Certification No. 10670

[1] = This analyte was not on the laboratory's NYSDOH Scope of Accreditation at the time of analysis.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 11996 | VOCs 8260C | SW-846 8260C 25mL purge | 1 | H193021AA | 10/30/2019 04:52 | Miranda Campbell | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030C | 1 | H193021AA | 10/30/2019 04:51 | Miranda Campbell | 1 |
| 07105 | Methane, Ethane, Ethene | RSKSOP-175 modified | 1 | 193010002A | 10/28/2019 20:14 | Johanna C Kennedy | 1 |
| 07105 | Methane, Ethane, Ethene | RSKSOP-175 modified | 1 | 193010002A | 10/29/2019 11:43 | Johanna C Kennedy | 20 |
| 00224 | Chloride | EPA 300.0 | 1 | 19299720112B | 10/29/2019 17:09 | Kevin Litwa | 50 |
| 00368 | Nitrate Nitrogen | EPA 300.0 | 1 | 19299720112A | 10/26/2019 21:02 | Samantha Faverio | 5 |
| 00228 | Sulfate | EPA 300.0 | 1 | 19299720112A | 10/26/2019 21:02 | Samantha Faverio | 5 |
| 00273 | Total Organic Carbon | SM 5310 C-2011 | 1 | 19309304503A | 11/06/2019 00:22 | Bethany Sandone | 1 |
| 12150 | Total Alkalinity to pH 4.5 | SM 2320 B-2011 | 1 | 19304007202A | 10/31/2019 21:17 | Jeremy L Bolf | 1 |
| 12149 | Bicarbonate Alkalinity | SM 2320 B-2011 | 1 | 19304007202A | 10/31/2019 21:17 | Jeremy L Bolf | 1 |

*=This limit was used in the evaluation of the final result

**Sample Description:** **SEMW-8-102519 Filtered Grab Groundwater**
**General Electric Schenectady Main Plant**

**Project Name:** **GE Schenectady Main Plant**

Submittal Date/Time: 10/26/2019 10:40
Collection Date/Time: 10/25/2019 10:30
SDG#: SMP15-19

**GE-O'Brien & Gere, Inc.**
**ELLE Sample #: GW 1184840**
**ELLE Group #: 2071206**
**Matrix: Groundwater**

| CAT No. | Analysis Name | CAS Number | Result | Limit of Quantitation* | Method Detection Limit | Dilution Factor |
|---|---|---|---|---|---|---|
| **Metals Dissolved** | | **SW-846 6010D Rev.4, July 2014** | **mg/l** | **mg/l** | **mg/l** | |
| 01754 | Iron | 7439-89-6 | 13.4 | 0.200 | 0.0400 | 1 |

## Sample Comments

State of New York Certification No. 10670

This sample was field filtered for dissolved metals.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 01754 | Iron | SW-846 6010D Rev.4, July 2014 | 1 | 193021404407 | 11/03/2019 08:33 | Lisa J Cooke | 1 |
| 14044 | ICP-WW, 3005A (tot rec) - U345 | SW-846 3005A | 1 | 193021404407 | 10/31/2019 03:59 | James L Mertz | 1 |

*=This limit was used in the evaluation of the final result

**Sample Description:** **SEMW-7-102519 Grab Groundwater**
**General Electric Schenectady Main Plant**

**Project Name:** **GE Schenectady Main Plant**

Submittal Date/Time: 10/26/2019 10:40
Collection Date/Time: 10/25/2019 15:00
SDG#: SMP15-20

**GE-O'Brien & Gere, Inc.**
**ELLE Sample #: GW 1184841**
**ELLE Group #: 2071206**
**Matrix: Groundwater**

| CAT No. | Analysis Name | CAS Number | Result | Limit of Quantitation* | Method Detection Limit | Dilution Factor |
|---|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260C 25mL purge** | | **ug/l** | **ug/l** | **ug/l** | |
| 11996 | Acetone | 67-64-1 | N.D. | 5.0 | 0.9 | 1 |
| 11996 | Benzene | 71-43-2 | 0.06 J | 0.5 | 0.05 | 1 |
| 11996 | 2-Butanone | 78-93-3 | N.D. | 5.0 | 0.6 | 1 |
| 11996 | Chlorobenzene | 108-90-7 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Chloroethane | 75-00-3 | 0.08 J | 0.5 | 0.07 | 1 |
| 11996 | Cyclohexane | 110-82-7 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | 1,1-Dichloroethane | 75-34-3 | 0.2 J | 0.5 | 0.07 | 1 |
| 11996 | 1,2-Dichloroethane | 107-06-2 | 0.05 J | 0.5 | 0.05 | 1 |
| 11996 | 1,1-Dichloroethene | 75-35-4 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | cis-1,2-Dichloroethene | 156-59-2 | 1.8 | 0.5 | 0.05 | 1 |
| 11996 | trans-1,2-Dichloroethene | 156-60-5 | 0.5 J | 0.5 | 0.06 | 1 |
| 11996 | 1,2-Dichloroethene (Total)[1] | 540-59-0 | 2.3 | 1.0 | 0.1 | 1 |
| 11996 | Ethylbenzene | 100-41-4 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Isopropylbenzene | 98-82-8 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | 5.0 | 0.7 | 1 |
| 11996 | Methylcyclohexane | 108-87-2 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | Methylene Chloride | 75-09-2 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | Tetrachloroethene | 127-18-4 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Toluene | 108-88-3 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | 1,1,1-Trichloroethane | 71-55-6 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Trichloroethene | 79-01-6 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Vinyl Chloride | 75-01-4 | 19 | 0.5 | 0.1 | 1 |
| 11996 | Xylene (Total) | 1330-20-7 | N.D. | 1.0 | 0.2 | 1 |
| **GC Miscellaneous** | **RSKSOP-175 modified** | | **ug/l** | **ug/l** | **ug/l** | |
| 07105 | Ethane | 74-84-0 | 12 | 5.0 | 1.0 | 1 |
| 07105 | Ethene | 74-85-1 | 9.1 | 5.0 | 1.0 | 1 |
| 07105 | Methane | 74-82-8 | 13,000 | 500 | 300 | 100 |
| **Wet Chemistry** | **EPA 300.0** | | **mg/l** | **mg/l** | **mg/l** | |
| 00224 | Chloride | 16887-00-6 | 105 | 20.0 | 10.0 | 50 |
| 00368 | Nitrate Nitrogen | 14797-55-8 | N.D. | 0.50 | 0.25 | 5 |
| 00228 | Sulfate | 14808-79-8 | 11.1 | 5.0 | 1.5 | 5 |
| | **SM 5310 C-2011** | | **mg/l** | **mg/l** | **mg/l** | |
| 00273 | Total Organic Carbon | n.a. | 3.9 | 1.0 | 0.50 | 1 |
| | **SM 2320 B-2011** | | **mg/l as CaCO3** | **mg/l as CaCO3** | **mg/l as CaCO3** | |

*=This limit was used in the evaluation of the final result

**Sample Description:** **SEMW-7-102519 Grab Groundwater**
**General Electric Schenectady Main Plant**

**Project Name:** **GE Schenectady Main Plant**

Submittal Date/Time: 10/26/2019 10:40
Collection Date/Time: 10/25/2019 15:00
SDG#: SMP15-20

**GE-O'Brien & Gere, Inc.**
**ELLE Sample #: GW 1184841**
**ELLE Group #: 2071206**
**Matrix: Groundwater**

| CAT No. | Analysis Name | CAS Number | Result | Limit of Quantitation* | Method Detection Limit | Dilution Factor |
|---|---|---|---|---|---|---|
| **Wet Chemistry** | **SM 2320 B-2011** | | **mg/l as CaCO3** | **mg/l as CaCO3** | **mg/l as CaCO3** | |
| 12150 | Total Alkalinity to pH 4.5 | n.a. | 337 | 8.0 | 2.6 | 1 |
| 12149 | Bicarbonate Alkalinity | n.a. | 337 | 8.0 | 2.6 | 1 |

## Sample Comments

State of New York Certification No. 10670

[1] = This analyte was not on the laboratory's NYSDOH Scope of Accreditation at the time of analysis.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 11996 | VOCs 8260C | SW-846 8260C 25mL purge | 1 | H193041AA | 10/31/2019 11:36 | Jennifer K Howe | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030C | 1 | H193041AA | 10/31/2019 11:35 | Jennifer K Howe | 1 |
| 07105 | Methane, Ethane, Ethene | RSKSOP-175 modified | 1 | 193010002A | 10/28/2019 20:33 | Johanna C Kennedy | 1 |
| 07105 | Methane, Ethane, Ethene | RSKSOP-175 modified | 1 | 193010002A | 10/29/2019 21:50 | Johanna C Kennedy | 100 |
| 00224 | Chloride | EPA 300.0 | 1 | 19299720112B | 10/29/2019 17:24 | Kevin Litwa | 50 |
| 00368 | Nitrate Nitrogen | EPA 300.0 | 1 | 19299720112A | 10/26/2019 21:33 | Samantha Faverio | 5 |
| 00228 | Sulfate | EPA 300.0 | 1 | 19299720112A | 10/26/2019 21:33 | Samantha Faverio | 5 |
| 00273 | Total Organic Carbon | SM 5310 C-2011 | 1 | 19309304503A | 11/06/2019 00:34 | Bethany Sandone | 1 |
| 12150 | Total Alkalinity to pH 4.5 | SM 2320 B-2011 | 1 | 19301009203A | 10/29/2019 00:47 | Jeremy L Bolf | 1 |
| 12149 | Bicarbonate Alkalinity | SM 2320 B-2011 | 1 | 19301009203A | 10/29/2019 00:47 | Jeremy L Bolf | 1 |

*=This limit was used in the evaluation of the final result

**Sample Description:** **SEMW-7-102519 Filtered Grab Groundwater**
**General Electric Schenectady Main Plant**

**Project Name:** **GE Schenectady Main Plant**

Submittal Date/Time: 10/26/2019 10:40
Collection Date/Time: 10/25/2019 15:00
SDG#: SMP15-21

**GE-O'Brien & Gere, Inc.**
**ELLE Sample #: GW 1184842**
**ELLE Group #: 2071206**
**Matrix: Groundwater**

| CAT No. | Analysis Name | CAS Number | Result | Limit of Quantitation* | Method Detection Limit | Dilution Factor |
|---|---|---|---|---|---|---|
| **Metals Dissolved** | **SW-846 6010D Rev.4, July 2014** | | **mg/l** | **mg/l** | **mg/l** | |
| 01754 | Iron | 7439-89-6 | 16.5 | 0.200 | 0.0400 | 1 |

## Sample Comments

State of New York Certification No. 10670

This sample was field filtered for dissolved metals.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 01754 | Iron | SW-846 6010D Rev.4, July 2014 | 1 | 193021404407 | 11/03/2019 08:48 | Lisa J Cooke | 1 |
| 14044 | ICP-WW, 3005A (tot rec) - U345 | SW-846 3005A | 1 | 193021404407 | 10/31/2019 03:59 | James L Mertz | 1 |

*=This limit was used in the evaluation of the final result

**Sample Description:** **DM-421G-102519 Grab Groundwater**
**General Electric Schenectady Main Plant**

**Project Name:** **GE Schenectady Main Plant**

Submittal Date/Time: 10/26/2019 10:40
Collection Date/Time: 10/25/2019 15:10
SDG#: SMP15-22

**GE-O'Brien & Gere, Inc.**
**ELLE Sample #: GW 1184843**
**ELLE Group #: 2071206**
**Matrix: Groundwater**

| CAT No. | Analysis Name | CAS Number | Result | Limit of Quantitation* | Method Detection Limit | Dilution Factor |
|---|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260C 25mL purge** | | **ug/l** | **ug/l** | **ug/l** | |
| 11996 | Acetone | 67-64-1 | 20 J | 100 | 18 | 20 |
| 11996 | Benzene | 71-43-2 | N.D. | 10 | 1.0 | 20 |
| 11996 | 2-Butanone | 78-93-3 | N.D. | 100 | 12 | 20 |
| 11996 | Chlorobenzene | 108-90-7 | N.D. | 10 | 1.2 | 20 |
| 11996 | Chloroethane | 75-00-3 | N.D. | 10 | 1.4 | 20 |
| 11996 | Cyclohexane | 110-82-7 | N.D. | 10 | 1.0 | 20 |
| 11996 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | 10 | 1.2 | 20 |
| 11996 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | 10 | 1.2 | 20 |
| 11996 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | 10 | 1.4 | 20 |
| 11996 | 1,1-Dichloroethane | 75-34-3 | N.D. | 10 | 1.4 | 20 |
| 11996 | 1,2-Dichloroethane | 107-06-2 | N.D. | 10 | 1.0 | 20 |
| 11996 | 1,1-Dichloroethene | 75-35-4 | 4.1 J | 10 | 1.2 | 20 |
| 11996 | cis-1,2-Dichloroethene | 156-59-2 | 3,100 | 100 | 10 | 200 |
| 11996 | trans-1,2-Dichloroethene | 156-60-5 | 18 | 10 | 1.2 | 20 |
| 11996 | 1,2-Dichloroethene (Total)[1] | 540-59-0 | 3,100 | 200 | 22 | 200 |
| 11996 | Ethylbenzene | 100-41-4 | 2.5 J | 10 | 1.2 | 20 |
| 11996 | Isopropylbenzene | 98-82-8 | N.D. | 10 | 1.0 | 20 |
| 11996 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | 100 | 14 | 20 |
| 11996 | Methylcyclohexane | 108-87-2 | N.D. | 10 | 1.0 | 20 |
| 11996 | Methylene Chloride | 75-09-2 | N.D. | 10 | 1.4 | 20 |
| 11996 | Tetrachloroethene | 127-18-4 | N.D. | 10 | 1.2 | 20 |
| 11996 | Toluene | 108-88-3 | 5.6 J | 10 | 1.4 | 20 |
| 11996 | 1,1,1-Trichloroethane | 71-55-6 | N.D. | 10 | 1.2 | 20 |
| 11996 | Trichloroethene | 79-01-6 | 4.1 J | 10 | 1.2 | 20 |
| 11996 | Vinyl Chloride | 75-01-4 | 2,500 | 100 | 20 | 200 |
| 11996 | Xylene (Total) | 1330-20-7 | N.D. | 20 | 3.0 | 20 |
| **GC Miscellaneous** | **RSKSOP-175 modified** | | **ug/l** | **ug/l** | **ug/l** | |
| 07105 | Ethane | 74-84-0 | 2,400 | 1,000 | 200 | 200 |
| 07105 | Ethene | 74-85-1 | 2,400 | 1,000 | 200 | 200 |
| 07105 | Methane | 74-82-8 | 21,000 | 1,000 | 600 | 200 |
| **Wet Chemistry** | **EPA 300.0** | | **mg/l** | **mg/l** | **mg/l** | |
| 00224 | Chloride | 16887-00-6 | 205 | 200 | 100 | 500 |
| 00368 | Nitrate Nitrogen | 14797-55-8 | N.D. | 0.50 | 0.25 | 5 |
| 00228 | Sulfate | 14808-79-8 | N.D. | 5.0 | 1.5 | 5 |
| | **SM 5310 C-2011** | | **mg/l** | **mg/l** | **mg/l** | |
| 00273 | Total Organic Carbon | n.a. | 53.2 | 5.0 | 2.5 | 5 |
| | **SM 2320 B-2011** | | **mg/l as CaCO3** | **mg/l as CaCO3** | **mg/l as CaCO3** | |

*=This limit was used in the evaluation of the final result

**Sample Description:** **DM-421G-102519 Grab Groundwater**
**General Electric Schenectady Main Plant**

**Project Name:** **GE Schenectady Main Plant**

Submittal Date/Time: 10/26/2019 10:40
Collection Date/Time: 10/25/2019 15:10
SDG#: SMP15-22

**GE-O'Brien & Gere, Inc.**
**ELLE Sample #: GW 1184843**
**ELLE Group #: 2071206**
**Matrix: Groundwater**

| CAT No. | Analysis Name | CAS Number | Result | Limit of Quantitation* | Method Detection Limit | Dilution Factor |
|---|---|---|---|---|---|---|
| **Wet Chemistry** | **SM 2320 B-2011** | | **mg/l as CaCO3** | **mg/l as CaCO3** | **mg/l as CaCO3** | |
| 12150 | Total Alkalinity to pH 4.5 | n.a. | 596 | 8.0 | 2.6 | 1 |
| 12149 | Bicarbonate Alkalinity | n.a. | 596 | 8.0 | 2.6 | 1 |

## Sample Comments

State of New York Certification No. 10670

[1] = This analyte was not on the laboratory's NYSDOH Scope of Accreditation at the time of analysis.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 11996 | VOCs 8260C | SW-846 8260C 25mL purge | 1 | H193041AA | 10/31/2019 15:55 | Jennifer K Howe | 20 |
| 11996 | VOCs 8260C | SW-846 8260C 25mL purge | 1 | H193041AA | 10/31/2019 16:17 | Jennifer K Howe | 200 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030C | 1 | H193041AA | 10/31/2019 15:54 | Jennifer K Howe | 20 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030C | 2 | H193041AA | 10/31/2019 16:16 | Jennifer K Howe | 200 |
| 07105 | Methane, Ethane, Ethene | RSKSOP-175 modified | 1 | 193010002A | 10/29/2019 22:08 | Johanna C Kennedy | 200 |
| 00224 | Chloride | EPA 300.0 | 1 | 19299720112A | 10/26/2019 22:51 | Samantha Faverio | 500 |
| 00368 | Nitrate Nitrogen | EPA 300.0 | 1 | 19299720112A | 10/26/2019 22:35 | Samantha Faverio | 5 |
| 00228 | Sulfate | EPA 300.0 | 1 | 19299720112A | 10/26/2019 22:35 | Samantha Faverio | 5 |
| 00273 | Total Organic Carbon | SM 5310 C-2011 | 1 | 19309304503A | 11/06/2019 00:48 | Bethany Sandone | 5 |
| 12150 | Total Alkalinity to pH 4.5 | SM 2320 B-2011 | 1 | 19301009203A | 10/29/2019 00:40 | Jeremy L Bolf | 1 |
| 12149 | Bicarbonate Alkalinity | SM 2320 B-2011 | 1 | 19301009203A | 10/29/2019 00:40 | Jeremy L Bolf | 1 |

*=This limit was used in the evaluation of the final result

**Sample Description:** **DM-421G-102519 Filtered Grab Groundwater**
**General Electric Schenectady Main Plant**

**Project Name:** **GE Schenectady Main Plant**

Submittal Date/Time: 10/26/2019 10:40
Collection Date/Time: 10/25/2019 15:10
SDG#: SMP15-23

**GE-O'Brien & Gere, Inc.**
**ELLE Sample #: GW 1184844**
**ELLE Group #: 2071206**
**Matrix: Groundwater**

| CAT No. | Analysis Name | CAS Number | Result | Limit of Quantitation* | Method Detection Limit | Dilution Factor |
|---|---|---|---|---|---|---|
| **Metals Dissolved** | **SW-846 6010D Rev.4, July 2014** | | **mg/l** | **mg/l** | **mg/l** | |
| 01754 | Iron | 7439-89-6 | 39.2 | 0.200 | 0.0400 | 1 |

## Sample Comments

State of New York Certification No. 10670

This sample was field filtered for dissolved metals.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 01754 | Iron | SW-846 6010D Rev.4, July 2014 | 1 | 193021404407 | 11/03/2019 08:29 | Lisa J Cooke | 1 |
| 14044 | ICP-WW, 3005A (tot rec) - U345 | SW-846 3005A | 1 | 193021404407 | 10/31/2019 03:59 | James L Mertz | 1 |

*=This limit was used in the evaluation of the final result

**Sample Description:** **TB-02-102519 Water**
**General Electric Schenectady Main Plant**

**Project Name:** **GE Schenectady Main Plant**

Submittal Date/Time: 10/26/2019 10:40
Collection Date/Time: 10/25/2019
SDG#: SMP15-24TB

**GE-O'Brien & Gere, Inc.**
**ELLE Sample #: GW 1184845**
**ELLE Group #: 2071206**
**Matrix: Water**

| CAT No. | Analysis Name | CAS Number | Result | Limit of Quantitation* | Method Detection Limit | Dilution Factor |
|---|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260C 25mL purge** | | **ug/l** | **ug/l** | **ug/l** | |
| 11996 | Acetone | 67-64-1 | N.D. | 5.0 | 0.9 | 1 |
| 11996 | Benzene | 71-43-2 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | 2-Butanone | 78-93-3 | N.D. | 5.0 | 0.6 | 1 |
| 11996 | Chlorobenzene | 108-90-7 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Chloroethane | 75-00-3 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | Cyclohexane | 110-82-7 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | 1,1-Dichloroethane | 75-34-3 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | 1,2-Dichloroethane | 107-06-2 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | 1,1-Dichloroethene | 75-35-4 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | 1,2-Dichloroethene (Total)[1] | 540-59-0 | N.D. | 1.0 | 0.1 | 1 |
| 11996 | Ethylbenzene | 100-41-4 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Isopropylbenzene | 98-82-8 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | 5.0 | 0.7 | 1 |
| 11996 | Methylcyclohexane | 108-87-2 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | Methylene Chloride | 75-09-2 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | Tetrachloroethene | 127-18-4 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Toluene | 108-88-3 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | 1,1,1-Trichloroethane | 71-55-6 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Trichloroethene | 79-01-6 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Vinyl Chloride | 75-01-4 | N.D. | 0.5 | 0.1 | 1 |
| 11996 | Xylene (Total) | 1330-20-7 | N.D. | 1.0 | 0.2 | 1 |

## Sample Comments

State of New York Certification No. 10670

[1] = This analyte was not on the laboratory's NYSDOH Scope of Accreditation at the time of analysis.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 11996 | VOCs 8260C | SW-846 8260C 25mL purge | 1 | H193021AA | 10/29/2019 22:45 | Miranda Campbell | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030C | 1 | H193021AA | 10/29/2019 22:44 | Miranda Campbell | 1 |

*=This limit was used in the evaluation of the final result

**Sample Description:** **DM-408CF-102819 Grab Groundwater**
**General Electric Schenectady Main Plant**

**Project Name:** **GE Schenectady Main Plant**

Submittal Date/Time: 10/29/2019 11:02
Collection Date/Time: 10/28/2019 12:00
SDG#: SMP15-25

**GE-O'Brien & Gere, Inc.**
**ELLE Sample #: GW 1186352**
**ELLE Group #: 2071509**
**Matrix: Groundwater**

| CAT No. | Analysis Name | CAS Number | Result | Limit of Quantitation* | Method Detection Limit | Dilution Factor |
|---|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260C 25mL purge** | | **ug/l** | **ug/l** | **ug/l** | |
| 11996 | Acetone | 67-64-1 | N.D. | 5.0 | 0.9 | 1 |
| 11996 | Benzene | 71-43-2 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | 2-Butanone | 78-93-3 | N.D. | 5.0 | 0.6 | 1 |
| 11996 | Chlorobenzene | 108-90-7 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Chloroethane | 75-00-3 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | Cyclohexane | 110-82-7 | 0.2 J | 0.5 | 0.05 | 1 |
| 11996 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | 1,1-Dichloroethane | 75-34-3 | 0.4 J | 0.5 | 0.07 | 1 |
| 11996 | 1,2-Dichloroethane | 107-06-2 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | 1,1-Dichloroethene | 75-35-4 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | cis-1,2-Dichloroethene | 156-59-2 | 0.08 J | 0.5 | 0.05 | 1 |
| 11996 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | 1,2-Dichloroethene (Total)[1] | 540-59-0 | N.D. | 1.0 | 0.1 | 1 |
| 11996 | Ethylbenzene | 100-41-4 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Isopropylbenzene | 98-82-8 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | 5.0 | 0.7 | 1 |
| 11996 | Methylcyclohexane | 108-87-2 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | Methylene Chloride | 75-09-2 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | Tetrachloroethene | 127-18-4 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Toluene | 108-88-3 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | 1,1,1-Trichloroethane | 71-55-6 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Trichloroethene | 79-01-6 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Vinyl Chloride | 75-01-4 | 76 | 5.0 | 1.0 | 10 |
| 11996 | Xylene (Total) | 1330-20-7 | N.D. | 1.0 | 0.2 | 1 |
| **GC Miscellaneous** | **RSKSOP-175 modified** | | **ug/l** | **ug/l** | **ug/l** | |
| 07105 | Ethane | 74-84-0 | 9.6 | 5.0 | 1.0 | 1 |
| 07105 | Ethene | 74-85-1 | N.D. | 5.0 | 1.0 | 1 |
| 07105 | Methane | 74-82-8 | 140 | 5.0 | 3.0 | 1 |
| **Wet Chemistry** | **EPA 300.0** | | **mg/l** | **mg/l** | **mg/l** | |
| 00224 | Chloride | 16887-00-6 | 85.1 | 20.0 | 10.0 | 50 |
| 00368 | Nitrate Nitrogen | 14797-55-8 | N.D. | 0.50 | 0.25 | 5 |

Sample was analyzed within the 48 hour holding time; however the client requirement of analyzing a low standard with the sample was outside of the 90-110% acceptance window with a result of 119%. Also bracketing continuing calibration verification standards (CCV) were outside of the 90-110% acceptance window with a recoveries of 88% and 84%. Sample was repeated outside of the hold on 11/13/2019 with a result of ND. The low standard and CCV's were within specifications.

*=This limit was used in the evaluation of the final result

**Sample Description:** **DM-408CF-102819 Grab Groundwater**
**General Electric Schenectady Main Plant**

**Project Name:** **GE Schenectady Main Plant**

Submittal Date/Time: 10/29/2019 11:02
Collection Date/Time: 10/28/2019 12:00
SDG#: SMP15-25

**GE-O'Brien & Gere, Inc.**
**ELLE Sample #: GW 1186352**
**ELLE Group #: 2071509**
**Matrix: Groundwater**

| CAT No. | Analysis Name | | CAS Number | Result | Limit of Quantitation* | Method Detection Limit | Dilution Factor |
|---|---|---|---|---|---|---|---|
| **Wet Chemistry** | | **EPA 300.0** | | **mg/l** | **mg/l** | **mg/l** | |
| 00228 | Sulfate | | 14808-79-8 | 68.4 | 5.0 | 1.5 | 5 |
| **Wet Chemistry** | | **SM 5310 C-2011** | | **mg/l** | **mg/l** | **mg/l** | |
| 00273 | Total Organic Carbon | | n.a. | 2.5 | 1.0 | 0.50 | 1 |
| | | **SM 2320 B-2011** | | **mg/l as CaCO3** | **mg/l as CaCO3** | **mg/l as CaCO3** | |
| 12150 | Total Alkalinity to pH 4.5 | | n.a. | 292 | 8.0 | 2.6 | 1 |
| 12149 | Bicarbonate Alkalinity | | n.a. | 292 | 8.0 | 2.6 | 1 |

## Sample Comments

State of New York Certification No. 10670

[1] = This analyte was not on the laboratory's NYSDOH Scope of Accreditation at the time of analysis.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 11996 | VOCs 8260C | SW-846 8260C 25mL purge | 1 | G193031AA | 10/30/2019 12:23 | Jennifer K Howe | 1 |
| 11996 | VOCs 8260C | SW-846 8260C 25mL purge | 1 | G193031AA | 10/30/2019 12:45 | Jennifer K Howe | 10 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030C | 1 | G193031AA | 10/30/2019 12:22 | Jennifer K Howe | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030C | 2 | G193031AA | 10/30/2019 12:44 | Jennifer K Howe | 10 |
| 07105 | Methane, Ethane, Ethene | RSKSOP-175 modified | 1 | 193030001A | 10/30/2019 21:30 | Johanna C Kennedy | 1 |
| 00224 | Chloride | EPA 300.0 | 2 | 19303135117A | 11/13/2019 12:14 | Niyati Desai | 50 |
| 00368 | Nitrate Nitrogen | EPA 300.0 | 1 | 19303135117A | 10/30/2019 08:01 | Kevin Litwa | 5 |
| 00228 | Sulfate | EPA 300.0 | 4 | 19303135117A | 11/13/2019 11:58 | Niyati Desai | 5 |
| 00273 | Total Organic Carbon | SM 5310 C-2011 | 1 | 19311304504A | 11/07/2019 17:27 | Bethany Sandone | 1 |
| 12150 | Total Alkalinity to pH 4.5 | SM 2320 B-2011 | 1 | 19304007202A | 10/31/2019 21:51 | Jeremy L Bolf | 1 |
| 12149 | Bicarbonate Alkalinity | SM 2320 B-2011 | 1 | 19304007202A | 10/31/2019 21:51 | Jeremy L Bolf | 1 |

*=This limit was used in the evaluation of the final result

**Sample Description:** **DM-408CF-102819 Filtered Grab Groundwater**
**General Electric Schenectady Main Plant**

**Project Name:** **GE Schenectady Main Plant**

Submittal Date/Time: 10/29/2019 11:02
Collection Date/Time: 10/28/2019 12:00
SDG#: SMP15-26

**GE-O'Brien & Gere, Inc.**
**ELLE Sample #: GW 1186353**
**ELLE Group #: 2071509**
**Matrix: Groundwater**

| CAT No. | Analysis Name | CAS Number | Result | Limit of Quantitation* | Method Detection Limit | Dilution Factor |
|---|---|---|---|---|---|---|
| **Metals Dissolved** | **SW-846 6010D Rev.4, July 2014** | | **mg/l** | **mg/l** | **mg/l** | |
| 01754 | Iron | 7439-89-6 | 8.41 | 0.200 | 0.0400 | 1 |

## Sample Comments

State of New York Certification No. 10670
This sample was field filtered for dissolved metals.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 01754 | Iron | SW-846 6010D Rev.4, July 2014 | 1 | 193031404406 | 11/05/2019 17:16 | Cindy M Gehman | 1 |
| 14044 | ICP-WW, 3005A (tot rec) - U345 | SW-846 3005A | 1 | 193031404406 | 11/02/2019 02:35 | James L Mertz | 1 |

*=This limit was used in the evaluation of the final result

**Sample Description:** **DM-444CF(1)-102819 Grab Groundwater**
**General Electric Schenectady Main Plant**

**Project Name:** **GE Schenectady Main Plant**

Submittal Date/Time: 10/29/2019 11:02
Collection Date/Time: 10/28/2019 12:00
SDG#: SMP15-27

**GE-O'Brien & Gere, Inc.**
**ELLE Sample #: GW 1186354**
**ELLE Group #: 2071509**
**Matrix: Groundwater**

| CAT No. | Analysis Name | CAS Number | Result | Limit of Quantitation* | Method Detection Limit | Dilution Factor |
|---|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260C 25mL purge** | | **ug/l** | **ug/l** | **ug/l** | |
| 11996 | Acetone | 67-64-1 | N.D. | 5.0 | 0.9 | 1 |
| 11996 | Benzene | 71-43-2 | 18 | 0.5 | 0.05 | 1 |
| 11996 | 2-Butanone | 78-93-3 | N.D. | 5.0 | 0.6 | 1 |
| 11996 | Chlorobenzene | 108-90-7 | 10 | 0.5 | 0.06 | 1 |
| 11996 | Chloroethane | 75-00-3 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | Cyclohexane | 110-82-7 | 1.3 | 0.5 | 0.05 | 1 |
| 11996 | 1,2-Dichlorobenzene | 95-50-1 | 0.07 J | 0.5 | 0.06 | 1 |
| 11996 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | 1,4-Dichlorobenzene | 106-46-7 | 0.2 J | 0.5 | 0.07 | 1 |
| 11996 | 1,1-Dichloroethane | 75-34-3 | 0.4 J | 0.5 | 0.07 | 1 |
| 11996 | 1,2-Dichloroethane | 107-06-2 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | 1,1-Dichloroethene | 75-35-4 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | 1,2-Dichloroethene (Total)[1] | 540-59-0 | N.D. | 1.0 | 0.1 | 1 |
| 11996 | Ethylbenzene | 100-41-4 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Isopropylbenzene | 98-82-8 | 0.1 J | 0.5 | 0.05 | 1 |
| 11996 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | 5.0 | 0.7 | 1 |
| 11996 | Methylcyclohexane | 108-87-2 | 0.2 J | 0.5 | 0.05 | 1 |
| 11996 | Methylene Chloride | 75-09-2 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | Tetrachloroethene | 127-18-4 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Toluene | 108-88-3 | 0.1 J | 0.5 | 0.07 | 1 |
| 11996 | 1,1,1-Trichloroethane | 71-55-6 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Trichloroethene | 79-01-6 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Vinyl Chloride | 75-01-4 | 2.0 | 0.5 | 0.1 | 1 |
| 11996 | Xylene (Total) | 1330-20-7 | N.D. | 1.0 | 0.2 | 1 |
| **GC Miscellaneous** | **RSKSOP-175 modified** | | **ug/l** | **ug/l** | **ug/l** | |
| 07105 | Ethane | 74-84-0 | 340 | 5.0 | 1.0 | 1 |
| 07105 | Ethene | 74-85-1 | N.D. | 5.0 | 1.0 | 1 |
| 07105 | Methane | 74-82-8 | 2,100 | 100 | 60 | 20 |
| **Wet Chemistry** | **EPA 300.0** | | **mg/l** | **mg/l** | **mg/l** | |
| 00224 | Chloride | 16887-00-6 | 180 | 20.0 | 10.0 | 50 |
| 00368 | Nitrate Nitrogen | 14797-55-8 | N.D. | 0.50 | 0.25 | 5 |

Sample was analyzed within the 48 hour holding time; however the client requirement of analyzing a low standard with the sample was outside of the 90-110% acceptance window with a result of 119%. Also bracketing continuing calibration verification standards (CCV) were outside of the 90-110% acceptance window with a recoveries of 88% and 84%. Sample was repeated outside of the hold on 11/13/2019 with a result of ND. The low standard and CCV's were within specifications.

*=This limit was used in the evaluation of the final result

**Sample Description:** **DM-444CF(1)-102819 Grab Groundwater**
**General Electric Schenectady Main Plant**

**Project Name:** **GE Schenectady Main Plant**

Submittal Date/Time: 10/29/2019 11:02
Collection Date/Time: 10/28/2019 12:00
SDG#: SMP15-27

**GE-O'Brien & Gere, Inc.**
**ELLE Sample #: GW 1186354**
**ELLE Group #: 2071509**
**Matrix: Groundwater**

| CAT No. | Analysis Name | | CAS Number | Result | Limit of Quantitation* | Method Detection Limit | Dilution Factor |
|---|---|---|---|---|---|---|---|
| **Wet Chemistry** | | **EPA 300.0** | | **mg/l** | **mg/l** | **mg/l** | |
| 00228 | Sulfate | | 14808-79-8 | 71.3 | 5.0 | 1.5 | 5 |
| **Wet Chemistry** | | **SM 5310 C-2011** | | **mg/l** | **mg/l** | **mg/l** | |
| 00273 | Total Organic Carbon | | n.a. | 4.2 | 1.0 | 0.50 | 1 |
| | | **SM 2320 B-2011** | | **mg/l as CaCO3** | **mg/l as CaCO3** | **mg/l as CaCO3** | |
| 12150 | Total Alkalinity to pH 4.5 | | n.a. | 482 | 8.0 | 2.6 | 1 |
| 12149 | Bicarbonate Alkalinity | | n.a. | 482 | 8.0 | 2.6 | 1 |

## Sample Comments

State of New York Certification No. 10670

[1] = This analyte was not on the laboratory's NYSDOH Scope of Accreditation at the time of analysis.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 11996 | VOCs 8260C | SW-846 8260C 25mL purge | 1 | G193031AA | 10/30/2019 13:07 | Jennifer K Howe | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030C | 1 | G193031AA | 10/30/2019 13:06 | Jennifer K Howe | 1 |
| 07105 | Methane, Ethane, Ethene | RSKSOP-175 modified | 1 | 193030001A | 10/30/2019 21:49 | Johanna C Kennedy | 1 |
| 07105 | Methane, Ethane, Ethene | RSKSOP-175 modified | 1 | 193030001A | 11/05/2019 05:22 | Johanna C Kennedy | 20 |
| 00224 | Chloride | EPA 300.0 | 2 | 19303135117A | 11/14/2019 11:08 | Clinton M Wilson | 50 |
| 00368 | Nitrate Nitrogen | EPA 300.0 | 1 | 19303135117A | 10/30/2019 07:29 | Kevin Litwa | 5 |
| 00228 | Sulfate | EPA 300.0 | 4 | 19303135117A | 11/14/2019 10:53 | Clinton M Wilson | 5 |
| 00273 | Total Organic Carbon | SM 5310 C-2011 | 1 | 19311304504A | 11/07/2019 17:42 | Bethany Sandone | 1 |
| 12150 | Total Alkalinity to pH 4.5 | SM 2320 B-2011 | 1 | 19304007202A | 10/31/2019 22:09 | Jeremy L Bolf | 1 |
| 12149 | Bicarbonate Alkalinity | SM 2320 B-2011 | 1 | 19304007202A | 10/31/2019 22:09 | Jeremy L Bolf | 1 |

*=This limit was used in the evaluation of the final result

**Sample Description:** **DM-444CF(1)-102819 Filtered Grab Groundwater**
**General Electric Schenectady Main Plant**

**Project Name:** **GE Schenectady Main Plant**

Submittal Date/Time: 10/29/2019 11:02
Collection Date/Time: 10/28/2019 12:00
SDG#: SMP15-28

**GE-O'Brien & Gere, Inc.**
**ELLE Sample #: GW 1186355**
**ELLE Group #: 2071509**
**Matrix: Groundwater**

| CAT No. | Analysis Name | CAS Number | Result | Limit of Quantitation* | Method Detection Limit | Dilution Factor |
|---|---|---|---|---|---|---|
| **Metals Dissolved** | **SW-846 6010D Rev.4, July 2014** | | **mg/l** | **mg/l** | **mg/l** | |
| 01754 | Iron | 7439-89-6 | 13.5 | 0.200 | 0.0400 | 1 |

## Sample Comments

State of New York Certification No. 10670
This sample was field filtered for dissolved metals.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 01754 | Iron | SW-846 6010D Rev.4, July 2014 | 1 | 193031404408 | 11/07/2019 12:22 | Patrick J Engle | 1 |
| 14044 | ICP-WW, 3005A (tot rec) - U345 | SW-846 3005A | 1 | 193031404408 | 11/02/2019 02:35 | James L Mertz | 1 |

*=This limit was used in the evaluation of the final result

**Sample Description:** **DM-442CF(2)-102819 Grab Groundwater**
**General Electric Schenectady Main Plant**

**Project Name:** **GE Schenectady Main Plant**

Submittal Date/Time: 10/29/2019 11:02
Collection Date/Time: 10/28/2019 14:05
SDG#: SMP15-29

**GE-O'Brien & Gere, Inc.**
**ELLE Sample #: GW 1186356**
**ELLE Group #: 2071509**
**Matrix: Groundwater**

| CAT No. | Analysis Name | CAS Number | Result | Limit of Quantitation* | Method Detection Limit | Dilution Factor |
|---|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260C 25mL purge** | | **ug/l** | **ug/l** | **ug/l** | |
| 11996 | Acetone | 67-64-1 | N.D. | 5.0 | 0.9 | 1 |
| 11996 | Benzene | 71-43-2 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | 2-Butanone | 78-93-3 | N.D. | 5.0 | 0.6 | 1 |
| 11996 | Chlorobenzene | 108-90-7 | 12 | 0.5 | 0.06 | 1 |
| 11996 | Chloroethane | 75-00-3 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | Cyclohexane | 110-82-7 | 0.5 J | 0.5 | 0.05 | 1 |
| 11996 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | 1,1-Dichloroethane | 75-34-3 | 0.5 J | 0.5 | 0.07 | 1 |
| 11996 | 1,2-Dichloroethane | 107-06-2 | 0.09 J | 0.5 | 0.05 | 1 |
| 11996 | 1,1-Dichloroethene | 75-35-4 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | cis-1,2-Dichloroethene | 156-59-2 | 0.8 | 0.5 | 0.05 | 1 |
| 11996 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | 1,2-Dichloroethene (Total)[1] | 540-59-0 | 0.8 J | 1.0 | 0.1 | 1 |
| 11996 | Ethylbenzene | 100-41-4 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Isopropylbenzene | 98-82-8 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | 5.0 | 0.7 | 1 |
| 11996 | Methylcyclohexane | 108-87-2 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | Methylene Chloride | 75-09-2 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | Tetrachloroethene | 127-18-4 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Toluene | 108-88-3 | 0.1 J | 0.5 | 0.07 | 1 |
| 11996 | 1,1,1-Trichloroethane | 71-55-6 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Trichloroethene | 79-01-6 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Vinyl Chloride | 75-01-4 | 8.0 | 0.5 | 0.1 | 1 |
| 11996 | Xylene (Total) | 1330-20-7 | N.D. | 1.0 | 0.2 | 1 |
| **GC Miscellaneous** | **RSKSOP-175 modified** | | **ug/l** | **ug/l** | **ug/l** | |
| 07105 | Ethane | 74-84-0 | 13 | 5.0 | 1.0 | 1 |
| 07105 | Ethene | 74-85-1 | N.D. | 5.0 | 1.0 | 1 |
| 07105 | Methane | 74-82-8 | 160 | 10 | 6.0 | 2 |
| **Wet Chemistry** | **EPA 300.0** | | **mg/l** | **mg/l** | **mg/l** | |
| 00224 | Chloride | 16887-00-6 | 323 | 40.0 | 20.0 | 100 |
| 00368 | Nitrate Nitrogen | 14797-55-8 | N.D. | 0.50 | 0.25 | 5 |

Sample was analyzed within the 48 hour holding time; however the client requirement of analyzing a low standard with the sample was outside of the 90-110% acceptance window with a result of 119%. Also bracketing continuing calibration verification standards (CCV) were outside of the 90-110% acceptance window with a recoveries of 88% and 84%. Sample was repeated outside of the hold on 11/13/2019 with a result of ND. The low standard and CCV's were within specifications.

*=This limit was used in the evaluation of the final result

**Sample Description:** **DM-442CF(2)-102819 Grab Groundwater**
**General Electric Schenectady Main Plant**

**Project Name:** **GE Schenectady Main Plant**

Submittal Date/Time: 10/29/2019 11:02
Collection Date/Time: 10/28/2019 14:05
SDG#: SMP15-29

**GE-O'Brien & Gere, Inc.**
**ELLE Sample #: GW 1186356**
**ELLE Group #: 2071509**
**Matrix: Groundwater**

| CAT No. | Analysis Name | | CAS Number | Result | Limit of Quantitation* | Method Detection Limit | Dilution Factor |
|---|---|---|---|---|---|---|---|
| **Wet Chemistry** | | **EPA 300.0** | | **mg/l** | **mg/l** | **mg/l** | |
| 00228 | Sulfate | | 14808-79-8 | 138 | 50.0 | 15.0 | 50 |
| **Wet Chemistry** | | **SM 5310 C-2011** | | **mg/l** | **mg/l** | **mg/l** | |
| 00273 | Total Organic Carbon | | n.a. | 4.1 | 1.0 | 0.50 | 1 |
| | | **SM 2320 B-2011** | | **mg/l as CaCO3** | **mg/l as CaCO3** | **mg/l as CaCO3** | |
| 12150 | Total Alkalinity to pH 4.5 | | n.a. | 464 | 8.0 | 2.6 | 1 |
| 12149 | Bicarbonate Alkalinity | | n.a. | 464 | 8.0 | 2.6 | 1 |

## Sample Comments

State of New York Certification No. 10670

[1] = This analyte was not on the laboratory's NYSDOH Scope of Accreditation at the time of analysis.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 11996 | VOCs 8260C | SW-846 8260C 25mL purge | 1 | G193031AA | 10/30/2019 12:01 | Jennifer K Howe | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030C | 1 | G193031AA | 10/30/2019 12:00 | Jennifer K Howe | 1 |
| 07105 | Methane, Ethane, Ethene | RSKSOP-175 modified | 1 | 193030001A | 10/30/2019 22:07 | Johanna C Kennedy | 1 |
| 07105 | Methane, Ethane, Ethene | RSKSOP-175 modified | 1 | 193030001A | 11/05/2019 05:04 | Johanna C Kennedy | 2 |
| 00224 | Chloride | EPA 300.0 | 2 | 19303135117A | 11/14/2019 08:45 | Niyati Desai | 100 |
| 00368 | Nitrate Nitrogen | EPA 300.0 | 1 | 19303135117A | 10/30/2019 08:47 | Kevin Litwa | 5 |
| 00228 | Sulfate | EPA 300.0 | 4 | 19303135117A | 11/13/2019 12:45 | Niyati Desai | 50 |
| 00273 | Total Organic Carbon | SM 5310 C-2011 | 1 | 19311304504A | 11/07/2019 17:57 | Bethany Sandone | 1 |
| 12150 | Total Alkalinity to pH 4.5 | SM 2320 B-2011 | 1 | 19304007202A | 10/31/2019 22:16 | Jeremy L Bolf | 1 |
| 12149 | Bicarbonate Alkalinity | SM 2320 B-2011 | 1 | 19304007202A | 10/31/2019 22:16 | Jeremy L Bolf | 1 |

*=This limit was used in the evaluation of the final result

**Sample Description:** **DM-442CF(2)-102819 Filtered Grab Groundwater**
**General Electric Schenectady Main Plant**

**Project Name:** **GE Schenectady Main Plant**

Submittal Date/Time: 10/29/2019 11:02
Collection Date/Time: 10/28/2019 14:05
SDG#: SMP15-30

**GE-O'Brien & Gere, Inc.**
**ELLE Sample #: GW 1186357**
**ELLE Group #: 2071509**
**Matrix: Groundwater**

| CAT No. | Analysis Name | CAS Number | Result | Limit of Quantitation* | Method Detection Limit | Dilution Factor |
|---|---|---|---|---|---|---|
| **Metals Dissolved** | **SW-846 6010D Rev.4, July 2014** | | **mg/l** | **mg/l** | **mg/l** | |
| 01754 | Iron | 7439-89-6 | 18.6 | 0.200 | 0.0400 | 1 |

## Sample Comments

State of New York Certification No. 10670
This sample was field filtered for dissolved metals.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 01754 | Iron | SW-846 6010D Rev.4, July 2014 | 1 | 193031404408 | 11/07/2019 12:26 | Patrick J Engle | 1 |
| 14044 | ICP-WW, 3005A (tot rec) - U345 | SW-846 3005A | 1 | 193031404408 | 11/02/2019 02:35 | James L Mertz | 1 |

*=This limit was used in the evaluation of the final result

**Sample Description:** **DM-445CF(2)-102819 Grab Groundwater**
**General Electric Schenectady Main Plant**

**Project Name:** **GE Schenectady Main Plant**

Submittal Date/Time: 10/29/2019 11:02
Collection Date/Time: 10/28/2019 14:20
SDG#: SMP15-31

**GE-O'Brien & Gere, Inc.**
**ELLE Sample #: GW 1186358**
**ELLE Group #: 2071509**
**Matrix: Groundwater**

| CAT No. | Analysis Name | CAS Number | Result | Limit of Quantitation* | Method Detection Limit | Dilution Factor |
|---|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260C 25mL purge** | | **ug/l** | **ug/l** | **ug/l** | |
| 11996 | Acetone | 67-64-1 | N.D. | 5.0 | 0.9 | 1 |
| 11996 | Benzene | 71-43-2 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | 2-Butanone | 78-93-3 | N.D. | 5.0 | 0.6 | 1 |
| 11996 | Chlorobenzene | 108-90-7 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Chloroethane | 75-00-3 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | Cyclohexane | 110-82-7 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | 1,1-Dichloroethane | 75-34-3 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | 1,2-Dichloroethane | 107-06-2 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | 1,1-Dichloroethene | 75-35-4 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | 1,2-Dichloroethene (Total)[1] | 540-59-0 | N.D. | 1.0 | 0.1 | 1 |
| 11996 | Ethylbenzene | 100-41-4 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Isopropylbenzene | 98-82-8 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | 5.0 | 0.7 | 1 |
| 11996 | Methylcyclohexane | 108-87-2 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | Methylene Chloride | 75-09-2 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | Tetrachloroethene | 127-18-4 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Toluene | 108-88-3 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | 1,1,1-Trichloroethane | 71-55-6 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Trichloroethene | 79-01-6 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Vinyl Chloride | 75-01-4 | 45 | 5.0 | 1.0 | 10 |
| 11996 | Xylene (Total) | 1330-20-7 | N.D. | 1.0 | 0.2 | 1 |
| **GC Miscellaneous** | **RSKSOP-175 modified** | | **ug/l** | **ug/l** | **ug/l** | |
| 07105 | Ethane | 74-84-0 | 15 | 5.0 | 1.0 | 1 |
| 07105 | Ethene | 74-85-1 | N.D. | 5.0 | 1.0 | 1 |
| 07105 | Methane | 74-82-8 | 2,100 | 100 | 60 | 20 |
| **Wet Chemistry** | **EPA 300.0** | | **mg/l** | **mg/l** | **mg/l** | |
| 00224 | Chloride | 16887-00-6 | 111 | 20.0 | 10.0 | 50 |
| 00368 | Nitrate Nitrogen | 14797-55-8 | N.D. | 0.50 | 0.25 | 5 |

Sample was analyzed within the 48 hour holding time; however the client requirement of analyzing a low standard with the sample was outside of the 90-110% acceptance window with a result of 119%. Also bracketing continuing calibration verification standards (CCV) were outside of the 90-110% acceptance window with a recoveries of 88% and 84%. Sample was repeated outside of the hold on 11/13/2019 with a result of ND. The low standard and CCV's were within specifications.

*=This limit was used in the evaluation of the final result

**Sample Description:** **DM-445CF(2)-102819 Grab Groundwater**
**General Electric Schenectady Main Plant**

**Project Name:** **GE Schenectady Main Plant**

Submittal Date/Time: 10/29/2019 11:02
Collection Date/Time: 10/28/2019 14:20
SDG#: SMP15-31

**GE-O'Brien & Gere, Inc.**
**ELLE Sample #: GW 1186358**
**ELLE Group #: 2071509**
**Matrix: Groundwater**

| CAT No. | Analysis Name | | CAS Number | Result | Limit of Quantitation* | Method Detection Limit | Dilution Factor |
|---|---|---|---|---|---|---|---|
| **Wet Chemistry** | | **EPA 300.0** | | **mg/l** | **mg/l** | **mg/l** | |
| 00228 | Sulfate | | 14808-79-8 | 101 | 50.0 | 15.0 | 50 |
| **Wet Chemistry** | | **SM 5310 C-2011** | | **mg/l** | **mg/l** | **mg/l** | |
| 00273 | Total Organic Carbon | | n.a. | 2.9 | 1.0 | 0.50 | 1 |
| | | **SM 2320 B-2011** | | **mg/l as CaCO3** | **mg/l as CaCO3** | **mg/l as CaCO3** | |
| 12150 | Total Alkalinity to pH 4.5 | | n.a. | 402 | 8.0 | 2.6 | 1 |
| 12149 | Bicarbonate Alkalinity | | n.a. | 402 | 8.0 | 2.6 | 1 |

## Sample Comments

State of New York Certification No. 10670

[1] = This analyte was not on the laboratory's NYSDOH Scope of Accreditation at the time of analysis.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 11996 | VOCs 8260C | SW-846 8260C 25mL purge | 1 | G193031AA | 10/30/2019 13:51 | Jennifer K Howe | 1 |
| 11996 | VOCs 8260C | SW-846 8260C 25mL purge | 1 | G193031AA | 10/30/2019 14:13 | Jennifer K Howe | 10 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030C | 1 | G193031AA | 10/30/2019 13:50 | Jennifer K Howe | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030C | 2 | G193031AA | 10/30/2019 14:12 | Jennifer K Howe | 10 |
| 07105 | Methane, Ethane, Ethene | RSKSOP-175 modified | 1 | 193030001A | 10/30/2019 22:25 | Johanna C Kennedy | 1 |
| 07105 | Methane, Ethane, Ethene | RSKSOP-175 modified | 1 | 193030001A | 11/05/2019 05:40 | Johanna C Kennedy | 20 |
| 00224 | Chloride | EPA 300.0 | 2 | 19303135117A | 11/13/2019 13:16 | Niyati Desai | 50 |
| 00368 | Nitrate Nitrogen | EPA 300.0 | 1 | 19303135117A | 10/30/2019 09:03 | Kevin Litwa | 5 |
| 00228 | Sulfate | EPA 300.0 | 4 | 19303135117A | 11/13/2019 13:16 | Niyati Desai | 50 |
| 00273 | Total Organic Carbon | SM 5310 C-2011 | 1 | 19311304504A | 11/07/2019 18:12 | Bethany Sandone | 1 |
| 12150 | Total Alkalinity to pH 4.5 | SM 2320 B-2011 | 1 | 19304007202A | 10/31/2019 22:23 | Jeremy L Bolf | 1 |
| 12149 | Bicarbonate Alkalinity | SM 2320 B-2011 | 1 | 19304007202A | 10/31/2019 22:23 | Jeremy L Bolf | 1 |

*=This limit was used in the evaluation of the final result

**Sample Description:** **DM-445CF(2)-102819 Filtered Grab Groundwater**
**General Electric Schenectady Main Plant**

**Project Name:** **GE Schenectady Main Plant**

Submittal Date/Time: 10/29/2019 11:02
Collection Date/Time: 10/28/2019 14:20
SDG#: SMP15-32

**GE-O'Brien & Gere, Inc.**
**ELLE Sample #: GW 1186359**
**ELLE Group #: 2071509**
**Matrix: Groundwater**

| CAT No. | Analysis Name | CAS Number | Result | Limit of Quantitation* | Method Detection Limit | Dilution Factor |
|---|---|---|---|---|---|---|
| **Metals Dissolved** | **SW-846 6010D Rev.4, July 2014** | | **mg/l** | **mg/l** | **mg/l** | |
| 01754 | Iron | 7439-89-6 | 8.15 | 0.200 | 0.0400 | 1 |

## Sample Comments

State of New York Certification No. 10670
This sample was field filtered for dissolved metals.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 01754 | Iron | SW-846 6010D Rev.4, July 2014 | 1 | 193031404408 | 11/07/2019 12:29 | Patrick J Engle | 1 |
| 14044 | ICP-WW, 3005A (tot rec) - U345 | SW-846 3005A | 1 | 193031404408 | 11/02/2019 02:35 | James L Mertz | 1 |

*=This limit was used in the evaluation of the final result

**Sample Description:** **TB-03-102819 Water**
**General Electric Schenectady Main Plant**

**Project Name:** **GE Schenectady Main Plant**

Submittal Date/Time: 10/29/2019 11:02
Collection Date/Time: 10/28/2019
SDG#: SMP15-33TB

**GE-O'Brien & Gere, Inc.**
**ELLE Sample #: GW 1186360**
**ELLE Group #: 2071509**
**Matrix: Water**

| CAT No. | Analysis Name | CAS Number | Result | Limit of Quantitation* | Method Detection Limit | Dilution Factor |
|---|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260C 25mL purge** | | **ug/l** | **ug/l** | **ug/l** | |
| 11996 | Acetone | 67-64-1 | N.D. | 5.0 | 0.9 | 1 |
| 11996 | Benzene | 71-43-2 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | 2-Butanone | 78-93-3 | N.D. | 5.0 | 0.6 | 1 |
| 11996 | Chlorobenzene | 108-90-7 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Chloroethane | 75-00-3 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | Cyclohexane | 110-82-7 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | 1,1-Dichloroethane | 75-34-3 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | 1,2-Dichloroethane | 107-06-2 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | 1,1-Dichloroethene | 75-35-4 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | 1,2-Dichloroethene (Total)[1] | 540-59-0 | N.D. | 1.0 | 0.1 | 1 |
| 11996 | Ethylbenzene | 100-41-4 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Isopropylbenzene | 98-82-8 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | 5.0 | 0.7 | 1 |
| 11996 | Methylcyclohexane | 108-87-2 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | Methylene Chloride | 75-09-2 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | Tetrachloroethene | 127-18-4 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Toluene | 108-88-3 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | 1,1,1-Trichloroethane | 71-55-6 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Trichloroethene | 79-01-6 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Vinyl Chloride | 75-01-4 | N.D. | 0.5 | 0.1 | 1 |
| 11996 | Xylene (Total) | 1330-20-7 | N.D. | 1.0 | 0.2 | 1 |

## Sample Comments

State of New York Certification No. 10670

[1] = This analyte was not on the laboratory's NYSDOH Scope of Accreditation at the time of analysis.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 11996 | VOCs 8260C | SW-846 8260C 25mL purge | 1 | G193031AA | 10/30/2019 11:39 | Jennifer K Howe | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030C | 1 | G193031AA | 10/30/2019 11:38 | Jennifer K Howe | 1 |

*=This limit was used in the evaluation of the final result

**Sample Description:** **SEMW-3-102919 Grab Groundwater**
**General Electric Schenectady Main Plant**

**Project Name:** **GE Schenectady Main Plant**

Submittal Date/Time: 10/30/2019 11:07
Collection Date/Time: 10/29/2019 10:55
SDG#: SMP15-34

**GE-O'Brien & Gere, Inc.**
**ELLE Sample #: GW 1187654**
**ELLE Group #: 2071748**
**Matrix: Groundwater**

| CAT No. | Analysis Name | CAS Number | Result | Limit of Quantitation* | Method Detection Limit | Dilution Factor |
|---|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260C 25mL purge** | | **ug/l** | **ug/l** | **ug/l** | |
| 11996 | Acetone | 67-64-1 | N.D. | 5.0 | 0.9 | 1 |
| 11996 | Benzene | 71-43-2 | 0.06 J | 0.5 | 0.05 | 1 |
| 11996 | 2-Butanone | 78-93-3 | N.D. | 5.0 | 0.6 | 1 |
| 11996 | Chlorobenzene | 108-90-7 | 6.3 | 0.5 | 0.06 | 1 |
| 11996 | Chloroethane | 75-00-3 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | Cyclohexane | 110-82-7 | 0.07 J | 0.5 | 0.05 | 1 |
| 11996 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | 1,1-Dichloroethane | 75-34-3 | 0.6 | 0.5 | 0.07 | 1 |
| 11996 | 1,2-Dichloroethane | 107-06-2 | 0.09 J | 0.5 | 0.05 | 1 |
| 11996 | 1,1-Dichloroethene | 75-35-4 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | cis-1,2-Dichloroethene | 156-59-2 | 0.9 | 0.5 | 0.05 | 1 |
| 11996 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | 1,2-Dichloroethene (Total)[1] | 540-59-0 | 0.9 J | 1.0 | 0.1 | 1 |
| 11996 | Ethylbenzene | 100-41-4 | 0.08 J | 0.5 | 0.06 | 1 |
| 11996 | Isopropylbenzene | 98-82-8 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | 5.0 | 0.7 | 1 |
| 11996 | Methylcyclohexane | 108-87-2 | 0.08 J | 0.5 | 0.05 | 1 |
| 11996 | Methylene Chloride | 75-09-2 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | Tetrachloroethene | 127-18-4 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Toluene | 108-88-3 | 0.07 J | 0.5 | 0.07 | 1 |
| 11996 | 1,1,1-Trichloroethane | 71-55-6 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Trichloroethene | 79-01-6 | 0.2 J | 0.5 | 0.06 | 1 |
| 11996 | Vinyl Chloride | 75-01-4 | 7.1 | 0.5 | 0.1 | 1 |
| 11996 | Xylene (Total) | 1330-20-7 | N.D. | 1.0 | 0.2 | 1 |
| **GC Miscellaneous** | **RSKSOP-175 modified** | | **ug/l** | **ug/l** | **ug/l** | |
| 07105 | Ethane | 74-84-0 | 15 | 5.0 | 1.0 | 1 |
| 07105 | Ethene | 74-85-1 | N.D. | 5.0 | 1.0 | 1 |
| 07105 | Methane | 74-82-8 | 200 | 5.0 | 3.0 | 1 |
| **Wet Chemistry** | **EPA 300.0** | | **mg/l** | **mg/l** | **mg/l** | |
| 00224 | Chloride | 16887-00-6 | 154 | 20.0 | 10.0 | 50 |
| 00368 | Nitrate Nitrogen | 14797-55-8 | N.D. | 0.50 | 0.25 | 5 |
| 00228 | Sulfate | 14808-79-8 | 116 | 50.0 | 15.0 | 50 |
| | **SM 5310 C-2011** | | **mg/l** | **mg/l** | **mg/l** | |
| 00273 | Total Organic Carbon | n.a. | 3.3 | 1.0 | 0.50 | 1 |
| | **SM 2320 B-2011** | | **mg/l as CaCO3** | **mg/l as CaCO3** | **mg/l as CaCO3** | |

*=This limit was used in the evaluation of the final result

**Sample Description:** **SEMW-3-102919 Grab Groundwater**
**General Electric Schenectady Main Plant**

**Project Name:** **GE Schenectady Main Plant**

Submittal Date/Time: 10/30/2019 11:07
Collection Date/Time: 10/29/2019 10:55
SDG#: SMP15-34

**GE-O'Brien & Gere, Inc.**
**ELLE Sample #: GW 1187654**
**ELLE Group #: 2071748**
**Matrix: Groundwater**

| CAT No. | Analysis Name | CAS Number | Result | Limit of Quantitation* | Method Detection Limit | Dilution Factor |
|---|---|---|---|---|---|---|
| **Wet Chemistry** | **SM 2320 B-2011** | | **mg/l as CaCO3** | **mg/l as CaCO3** | **mg/l as CaCO3** | |
| 12150 | Total Alkalinity to pH 4.5 | n.a. | 420 | 8.0 | 2.6 | 1 |
| 12149 | Bicarbonate Alkalinity | n.a. | 420 | 8.0 | 2.6 | 1 |

## Sample Comments

State of New York Certification No. 10670

[1] = This analyte was not on the laboratory's NYSDOH Scope of Accreditation at the time of analysis.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 11996 | VOCs 8260C | SW-846 8260C 25mL purge | 1 | H193041AA | 10/31/2019 11:58 | Jennifer K Howe | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030C | 1 | H193041AA | 10/31/2019 11:57 | Jennifer K Howe | 1 |
| 07105 | Methane, Ethane, Ethene | RSKSOP-175 modified | 1 | 193070003A | 11/03/2019 16:48 | Johanna C Kennedy | 1 |
| 00224 | Chloride | EPA 300.0 | 1 | 19304135112A | 10/31/2019 10:17 | Kevin Litwa | 50 |
| 00368 | Nitrate Nitrogen | EPA 300.0 | 1 | 19304135112A | 10/31/2019 07:42 | Kevin Litwa | 5 |
| 00228 | Sulfate | EPA 300.0 | 1 | 19304135112A | 10/31/2019 10:17 | Kevin Litwa | 50 |
| 00273 | Total Organic Carbon | SM 5310 C-2011 | 1 | 19311304505A | 11/08/2019 02:02 | Bethany Sandone | 1 |
| 12150 | Total Alkalinity to pH 4.5 | SM 2320 B-2011 | 1 | 19304007203B | 11/01/2019 00:09 | Jeremy L Bolf | 1 |
| 12149 | Bicarbonate Alkalinity | SM 2320 B-2011 | 1 | 19304007203B | 11/01/2019 00:09 | Jeremy L Bolf | 1 |

*=This limit was used in the evaluation of the final result

**Sample Description:** **SEMW-3-102919 Filtered Grab Groundwater**
**General Electric Schenectady Main Plant**

**Project Name:** **GE Schenectady Main Plant**

Submittal Date/Time: 10/30/2019 11:07
Collection Date/Time: 10/29/2019 10:55
SDG#: SMP15-35

**GE-O'Brien & Gere, Inc.**
**ELLE Sample #: GW 1187655**
**ELLE Group #: 2071748**
**Matrix: Groundwater**

| CAT No. | Analysis Name | CAS Number | Result | Limit of Quantitation* | Method Detection Limit | Dilution Factor |
|---|---|---|---|---|---|---|
| **Metals Dissolved** | **SW-846 6010D Rev.4, July 2014** | | **mg/l** | **mg/l** | **mg/l** | |
| 01754 | Iron | 7439-89-6 | 15.0 | 0.200 | 0.0400 | 1 |

## Sample Comments

State of New York Certification No. 10670
This sample was field filtered for dissolved metals.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 01754 | Iron | SW-846 6010D Rev.4, July 2014 | 1 | 193041404404 | 11/05/2019 23:42 | Elaine F Stoltzfus | 1 |
| 14044 | ICP-WW, 3005A (tot rec) - U345 | SW-846 3005A | 1 | 193041404404 | 11/04/2019 04:05 | James L Mertz | 1 |

*=This limit was used in the evaluation of the final result

**Sample Description:** **SEMW-2-102919 Grab Groundwater**
**General Electric Schenectady Main Plant**

**Project Name:** **GE Schenectady Main Plant**

Submittal Date/Time: 10/30/2019 11:07
Collection Date/Time: 10/29/2019 13:10
SDG#: SMP15-36

**GE-O'Brien & Gere, Inc.**
**ELLE Sample #: GW 1187656**
**ELLE Group #: 2071748**
**Matrix: Groundwater**

| CAT No. | Analysis Name | CAS Number | Result | Limit of Quantitation* | Method Detection Limit | Dilution Factor |
|---|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260C 25mL purge** | | **ug/l** | **ug/l** | **ug/l** | |
| 11996 | Acetone | 67-64-1 | N.D. | 5.0 | 0.9 | 1 |
| 11996 | Benzene | 71-43-2 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | 2-Butanone | 78-93-3 | N.D. | 5.0 | 0.6 | 1 |
| 11996 | Chlorobenzene | 108-90-7 | 6.1 | 0.5 | 0.06 | 1 |
| 11996 | Chloroethane | 75-00-3 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | Cyclohexane | 110-82-7 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | 1,1-Dichloroethane | 75-34-3 | 0.5 | 0.5 | 0.07 | 1 |
| 11996 | 1,2-Dichloroethane | 107-06-2 | 0.09 J | 0.5 | 0.05 | 1 |
| 11996 | 1,1-Dichloroethene | 75-35-4 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | cis-1,2-Dichloroethene | 156-59-2 | 1 | 0.5 | 0.05 | 1 |
| 11996 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | 1,2-Dichloroethene (Total)[1] | 540-59-0 | 1 J | 1.0 | 0.1 | 1 |
| 11996 | Ethylbenzene | 100-41-4 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Isopropylbenzene | 98-82-8 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | 5.0 | 0.7 | 1 |
| 11996 | Methylcyclohexane | 108-87-2 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | Methylene Chloride | 75-09-2 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | Tetrachloroethene | 127-18-4 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Toluene | 108-88-3 | 0.07 J | 0.5 | 0.07 | 1 |
| 11996 | 1,1,1-Trichloroethane | 71-55-6 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Trichloroethene | 79-01-6 | 0.07 J | 0.5 | 0.06 | 1 |
| 11996 | Vinyl Chloride | 75-01-4 | 4.8 | 0.5 | 0.1 | 1 |
| 11996 | Xylene (Total) | 1330-20-7 | N.D. | 1.0 | 0.2 | 1 |
| **GC Miscellaneous** | **RSKSOP-175 modified** | | **ug/l** | **ug/l** | **ug/l** | |
| 07105 | Ethane | 74-84-0 | 10 | 5.0 | 1.0 | 1 |
| 07105 | Ethene | 74-85-1 | N.D. | 5.0 | 1.0 | 1 |
| 07105 | Methane | 74-82-8 | 210 | 5.0 | 3.0 | 1 |
| **Wet Chemistry** | **EPA 300.0** | | **mg/l** | **mg/l** | **mg/l** | |
| 00224 | Chloride | 16887-00-6 | 154 | 20.0 | 10.0 | 50 |
| 00368 | Nitrate Nitrogen | 14797-55-8 | N.D. | 0.50 | 0.25 | 5 |
| 00228 | Sulfate | 14808-79-8 | 110 | 50.0 | 15.0 | 50 |
| | **SM 5310 C-2011** | | **mg/l** | **mg/l** | **mg/l** | |
| 00273 | Total Organic Carbon | n.a. | 3.3 | 1.0 | 0.50 | 1 |
| | **SM 2320 B-2011** | | **mg/l as CaCO3** | **mg/l as CaCO3** | **mg/l as CaCO3** | |

*=This limit was used in the evaluation of the final result

**Sample Description:** **SEMW-2-102919 Grab Groundwater**
**General Electric Schenectady Main Plant**

**Project Name:** **GE Schenectady Main Plant**

Submittal Date/Time: 10/30/2019 11:07
Collection Date/Time: 10/29/2019 13:10
SDG#: SMP15-36

**GE-O'Brien & Gere, Inc.**
**ELLE Sample #: GW 1187656**
**ELLE Group #: 2071748**
**Matrix: Groundwater**

| CAT No. | Analysis Name | CAS Number | Result | Limit of Quantitation* | Method Detection Limit | Dilution Factor |
|---|---|---|---|---|---|---|
| **Wet Chemistry** | **SM 2320 B-2011** | | **mg/l as CaCO3** | **mg/l as CaCO3** | **mg/l as CaCO3** | |
| 12150 | Total Alkalinity to pH 4.5 | n.a. | 449 | 8.0 | 2.6 | 1 |
| 12149 | Bicarbonate Alkalinity | n.a. | 449 | 8.0 | 2.6 | 1 |

## Sample Comments

State of New York Certification No. 10670

[1] = This analyte was not on the laboratory's NYSDOH Scope of Accreditation at the time of analysis.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 11996 | VOCs 8260C | SW-846 8260C 25mL purge | 1 | H193041AA | 10/31/2019 12:19 | Jennifer K Howe | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030C | 1 | H193041AA | 10/31/2019 12:18 | Jennifer K Howe | 1 |
| 07105 | Methane, Ethane, Ethene | RSKSOP-175 modified | 1 | 193070003A | 11/03/2019 17:06 | Johanna C Kennedy | 1 |
| 00224 | Chloride | EPA 300.0 | 1 | 19304135112A | 10/31/2019 13:39 | Kevin Litwa | 50 |
| 00368 | Nitrate Nitrogen | EPA 300.0 | 1 | 19304135112A | 10/31/2019 07:57 | Kevin Litwa | 5 |
| 00228 | Sulfate | EPA 300.0 | 1 | 19304135112A | 10/31/2019 13:39 | Kevin Litwa | 50 |
| 00273 | Total Organic Carbon | SM 5310 C-2011 | 1 | 19311304505A | 11/08/2019 02:18 | Bethany Sandone | 1 |
| 12150 | Total Alkalinity to pH 4.5 | SM 2320 B-2011 | 1 | 19304007203A | 11/01/2019 01:04 | Jeremy L Bolf | 1 |
| 12149 | Bicarbonate Alkalinity | SM 2320 B-2011 | 1 | 19304007203A | 11/01/2019 01:04 | Jeremy L Bolf | 1 |

*=This limit was used in the evaluation of the final result

**Sample Description:** **SEMW-2-102919 Filtered Grab Groundwater**
**General Electric Schenectady Main Plant**

**Project Name:** **GE Schenectady Main Plant**

Submittal Date/Time: 10/30/2019 11:07
Collection Date/Time: 10/29/2019 13:10
SDG#: SMP15-37

**GE-O'Brien & Gere, Inc.**
**ELLE Sample #: GW 1187657**
**ELLE Group #: 2071748**
**Matrix: Groundwater**

| CAT No. | Analysis Name | CAS Number | Result | Limit of Quantitation* | Method Detection Limit | Dilution Factor |
|---|---|---|---|---|---|---|
| **Metals Dissolved** | **SW-846 6010D Rev.4, July 2014** | | **mg/l** | **mg/l** | **mg/l** | |
| 01754 | Iron | 7439-89-6 | 16.1 | 0.200 | 0.0400 | 1 |

## Sample Comments

State of New York Certification No. 10670
This sample was field filtered for dissolved metals.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 01754 | Iron | SW-846 6010D Rev.4, July 2014 | 1 | 193041404404 | 11/05/2019 23:45 | Elaine F Stoltzfus | 1 |
| 14044 | ICP-WW, 3005A (tot rec) - U345 | SW-846 3005A | 1 | 193041404404 | 11/04/2019 04:05 | James L Mertz | 1 |

*=This limit was used in the evaluation of the final result

**Sample Description:** **SEMW-1-102919 Grab Groundwater**
**General Electric Schenectady Main Plant**

**Project Name:** **GE Schenectady Main Plant**

Submittal Date/Time: 10/30/2019 11:07
Collection Date/Time: 10/29/2019 14:50
SDG#: SMP15-39

**GE-O'Brien & Gere, Inc.**
**ELLE Sample #: GW 1187658**
**ELLE Group #: 2071748**
**Matrix: Groundwater**

| CAT No. | Analysis Name | CAS Number | Result | | Limit of Quantitation* | Method Detection Limit | Dilution Factor |
|---|---|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260C 25mL purge** | | **ug/l** | | **ug/l** | **ug/l** | |
| 11996 | Acetone | 67-64-1 | 14 | J | 50 | 9.0 | 10 |
| 11996 | Benzene | 71-43-2 | 240 | | 5.0 | 0.5 | 10 |
| 11996 | 2-Butanone | 78-93-3 | 19 | J | 50 | 6.0 | 10 |
| 11996 | Chlorobenzene | 108-90-7 | 77 | | 5.0 | 0.6 | 10 |
| 11996 | Chloroethane | 75-00-3 | 0.9 | J | 5.0 | 0.7 | 10 |
| 11996 | Cyclohexane | 110-82-7 | 7.4 | | 5.0 | 0.5 | 10 |
| 11996 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | | 5.0 | 0.6 | 10 |
| 11996 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | | 5.0 | 0.6 | 10 |
| 11996 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | | 5.0 | 0.7 | 10 |
| 11996 | 1,1-Dichloroethane | 75-34-3 | N.D. | | 5.0 | 0.7 | 10 |
| 11996 | 1,2-Dichloroethane | 107-06-2 | 1.5 | J | 5.0 | 0.5 | 10 |
| 11996 | 1,1-Dichloroethene | 75-35-4 | N.D. | | 5.0 | 0.6 | 10 |
| 11996 | cis-1,2-Dichloroethene | 156-59-2 | 13 | | 5.0 | 0.5 | 10 |
| 11996 | trans-1,2-Dichloroethene | 156-60-5 | 2.1 | J | 5.0 | 0.6 | 10 |
| 11996 | 1,2-Dichloroethene (Total)[1] | 540-59-0 | 15 | | 10 | 1.1 | 10 |
| 11996 | Ethylbenzene | 100-41-4 | 150 | | 5.0 | 0.6 | 10 |
| 11996 | Isopropylbenzene | 98-82-8 | 6.6 | | 5.0 | 0.5 | 10 |
| 11996 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | | 50 | 7.0 | 10 |
| 11996 | Methylcyclohexane | 108-87-2 | 9.8 | | 5.0 | 0.5 | 10 |
| 11996 | Methylene Chloride | 75-09-2 | N.D. | | 5.0 | 0.7 | 10 |
| 11996 | Tetrachloroethene | 127-18-4 | N.D. | | 5.0 | 0.6 | 10 |
| 11996 | Toluene | 108-88-3 | 1,900 | | 50 | 7.0 | 100 |
| 11996 | 1,1,1-Trichloroethane | 71-55-6 | N.D. | | 5.0 | 0.6 | 10 |
| 11996 | Trichloroethene | 79-01-6 | 1.1 | J | 5.0 | 0.6 | 10 |
| 11996 | Vinyl Chloride | 75-01-4 | 9.0 | | 5.0 | 1.0 | 10 |
| 11996 | Xylene (Total) | 1330-20-7 | 1,100 | | 100 | 15 | 100 |
| **GC Miscellaneous** | **RSKSOP-175 modified** | | **ug/l** | | **ug/l** | **ug/l** | |
| 07105 | Ethane | 74-84-0 | 760 | | 25 | 5.0 | 5 |
| 07105 | Ethene | 74-85-1 | 410 | | 25 | 5.0 | 5 |
| 07105 | Methane | 74-82-8 | 13,000 | | 500 | 300 | 100 |
| | The requirement for no headspace at the time of analysis was not met. The container used for the testing had headspace at the time of analysis. | | | | | | |
| **Wet Chemistry** | **EPA 300.0** | | **mg/l** | | **mg/l** | **mg/l** | |
| 00224 | Chloride | 16887-00-6 | 90.9 | | 20.0 | 10.0 | 50 |
| 00368 | Nitrate Nitrogen | 14797-55-8 | N.D. | | 0.50 | 0.25 | 5 |
| 00228 | Sulfate | 14808-79-8 | N.D. | | 5.0 | 1.5 | 5 |
| | **SM 5310 C-2011** | | **mg/l** | | **mg/l** | **mg/l** | |
| 00273 | Total Organic Carbon | n.a. | 44.6 | | 10.0 | 5.0 | 10 |

*=This limit was used in the evaluation of the final result

**Sample Description:** **SEMW-1-102919 Grab Groundwater**
**General Electric Schenectady Main Plant**

**Project Name:** **GE Schenectady Main Plant**

Submittal Date/Time: 10/30/2019 11:07
Collection Date/Time: 10/29/2019 14:50
SDG#: SMP15-39

**GE-O'Brien & Gere, Inc.**
**ELLE Sample #: GW 1187658**
**ELLE Group #: 2071748**
**Matrix: Groundwater**

| CAT No. | Analysis Name | CAS Number | Result | Limit of Quantitation* | Method Detection Limit | Dilution Factor |
|---|---|---|---|---|---|---|
| **Wet Chemistry** | **SM 2320 B-2011** | | **mg/l as CaCO3** | **mg/l as CaCO3** | **mg/l as CaCO3** | |
| 12150 | Total Alkalinity to pH 4.5 | n.a. | 673 | 8.0 | 2.6 | 1 |
| 12149 | Bicarbonate Alkalinity | n.a. | 673 | 8.0 | 2.6 | 1 |

## Sample Comments

State of New York Certification No. 10670

[1] = This analyte was not on the laboratory's NYSDOH Scope of Accreditation at the time of analysis.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 11996 | VOCs 8260C | SW-846 8260C 25mL purge | 1 | H193041AA | 10/31/2019 16:38 | Jennifer K Howe | 10 |
| 11996 | VOCs 8260C | SW-846 8260C 25mL purge | 1 | H193041AA | 10/31/2019 17:00 | Jennifer K Howe | 100 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030C | 1 | H193041AA | 10/31/2019 16:37 | Jennifer K Howe | 10 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030C | 2 | H193041AA | 10/31/2019 16:59 | Jennifer K Howe | 100 |
| 07105 | Methane, Ethane, Ethene | RSKSOP-175 modified | 1 | 193070003A | 11/04/2019 12:56 | Johanna C Kennedy | 100 |
| 07105 | Methane, Ethane, Ethene | RSKSOP-175 modified | 1 | 193070003A | 11/06/2019 12:58 | Johanna C Kennedy | 5 |
| 00224 | Chloride | EPA 300.0 | 1 | 19304135112A | 10/31/2019 14:10 | Kevin Litwa | 50 |
| 00368 | Nitrate Nitrogen | EPA 300.0 | 1 | 19304135112A | 10/31/2019 08:13 | Kevin Litwa | 5 |
| 00228 | Sulfate | EPA 300.0 | 1 | 19304135112A | 10/31/2019 08:13 | Kevin Litwa | 5 |
| 00273 | Total Organic Carbon | SM 5310 C-2011 | 1 | 19311304505A | 11/08/2019 02:33 | Bethany Sandone | 10 |
| 12150 | Total Alkalinity to pH 4.5 | SM 2320 B-2011 | 1 | 19304007203A | 11/01/2019 01:12 | Jeremy L Bolf | 1 |
| 12149 | Bicarbonate Alkalinity | SM 2320 B-2011 | 1 | 19304007203A | 11/01/2019 01:12 | Jeremy L Bolf | 1 |

*=This limit was used in the evaluation of the final result

**Sample Description:** **SEMW-1-102919 Filtered Grab Groundwater**
**General Electric Schenectady Main Plant**

**Project Name:** **GE Schenectady Main Plant**

Submittal Date/Time: 10/30/2019 11:07
Collection Date/Time: 10/29/2019 14:50
SDG#: SMP15-40

**GE-O'Brien & Gere, Inc.**
**ELLE Sample #: GW 1187659**
**ELLE Group #: 2071748**
**Matrix: Groundwater**

| CAT No. | Analysis Name | CAS Number | Result | Limit of Quantitation* | Method Detection Limit | Dilution Factor |
|---|---|---|---|---|---|---|
| **Metals Dissolved** | **SW-846 6010D Rev.4, July 2014** | | **mg/l** | **mg/l** | **mg/l** | |
| 01754 | Iron | 7439-89-6 | 101 | 0.200 | 0.0400 | 1 |

## Sample Comments

State of New York Certification No. 10670
This sample was field filtered for dissolved metals.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 01754 | Iron | SW-846 6010D Rev.4, July 2014 | 1 | 193041404404 | 11/05/2019 23:48 | Elaine F Stoltzfus | 1 |
| 14044 | ICP-WW, 3005A (tot rec) - U345 | SW-846 3005A | 1 | 193041404404 | 11/04/2019 04:05 | James L Mertz | 1 |

*=This limit was used in the evaluation of the final result

**Sample Description:** **TB-04-102919 Water**
**General Electric Schenectady Main Plant**

**Project Name:** **GE Schenectady Main Plant**

Submittal Date/Time: 10/30/2019 11:07
Collection Date/Time: 10/29/2019
SDG#: SMP15-41TB

**GE-O'Brien & Gere, Inc.**
**ELLE Sample #: GW 1187660**
**ELLE Group #: 2071748**
**Matrix: Water**

| CAT No. | Analysis Name | CAS Number | Result | Limit of Quantitation* | Method Detection Limit | Dilution Factor |
|---|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260C 25mL purge** | | **ug/l** | **ug/l** | **ug/l** | |
| 11996 | Acetone | 67-64-1 | N.D. | 5.0 | 0.9 | 1 |
| 11996 | Benzene | 71-43-2 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | 2-Butanone | 78-93-3 | N.D. | 5.0 | 0.6 | 1 |
| 11996 | Chlorobenzene | 108-90-7 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Chloroethane | 75-00-3 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | Cyclohexane | 110-82-7 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | 1,1-Dichloroethane | 75-34-3 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | 1,2-Dichloroethane | 107-06-2 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | 1,1-Dichloroethene | 75-35-4 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | 1,2-Dichloroethene (Total)[1] | 540-59-0 | N.D. | 1.0 | 0.1 | 1 |
| 11996 | Ethylbenzene | 100-41-4 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Isopropylbenzene | 98-82-8 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | 5.0 | 0.7 | 1 |
| 11996 | Methylcyclohexane | 108-87-2 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | Methylene Chloride | 75-09-2 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | Tetrachloroethene | 127-18-4 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Toluene | 108-88-3 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | 1,1,1-Trichloroethane | 71-55-6 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Trichloroethene | 79-01-6 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Vinyl Chloride | 75-01-4 | N.D. | 0.5 | 0.1 | 1 |
| 11996 | Xylene (Total) | 1330-20-7 | N.D. | 1.0 | 0.2 | 1 |

## Sample Comments

State of New York Certification No. 10670

[1] = This analyte was not on the laboratory's NYSDOH Scope of Accreditation at the time of analysis.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 11996 | VOCs 8260C | SW-846 8260C 25mL purge | 1 | H193041AA | 10/31/2019 11:15 | Jennifer K Howe | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030C | 1 | H193041AA | 10/31/2019 11:14 | Jennifer K Howe | 1 |

*=This limit was used in the evaluation of the final result

**Sample Description:** **P-HP-3-102919 Grab Groundwater**
**General Electric Schenectady Main Plant**

**Project Name:** **GE Schenectady Main Plant**

Submittal Date/Time: 10/30/2019 11:07
Collection Date/Time: 10/29/2019 10:30
SDG#: SMP15-42

**GE-O'Brien & Gere, Inc.**
**ELLE Sample #: GW 1187661**
**ELLE Group #: 2071749**
**Matrix: Groundwater**

| CAT No. | Analysis Name | CAS Number | Result | Limit of Quantitation* | Method Detection Limit | Dilution Factor |
|---|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260C 25mL purge** | | **ug/l** | **ug/l** | **ug/l** | |
| 11996 | Acetone | 67-64-1 | N.D. | 5.0 | 0.9 | 1 |
| 11996 | Benzene | 71-43-2 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | 2-Butanone | 78-93-3 | N.D. | 5.0 | 0.6 | 1 |
| 11996 | Chlorobenzene | 108-90-7 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Chloroethane | 75-00-3 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | Cyclohexane | 110-82-7 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | 1,1-Dichloroethane | 75-34-3 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | 1,2-Dichloroethane | 107-06-2 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | 1,1-Dichloroethene | 75-35-4 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | cis-1,2-Dichloroethene | 156-59-2 | 0.06 J | 0.5 | 0.05 | 1 |
| 11996 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | 1,2-Dichloroethene (Total)[1] | 540-59-0 | N.D. | 1.0 | 0.1 | 1 |
| 11996 | Ethylbenzene | 100-41-4 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Isopropylbenzene | 98-82-8 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | 5.0 | 0.7 | 1 |
| 11996 | Methylcyclohexane | 108-87-2 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | Methylene Chloride | 75-09-2 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | Tetrachloroethene | 127-18-4 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Toluene | 108-88-3 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | 1,1,1-Trichloroethane | 71-55-6 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Trichloroethene | 79-01-6 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Vinyl Chloride | 75-01-4 | N.D. | 0.5 | 0.1 | 1 |
| 11996 | Xylene (Total) | 1330-20-7 | N.D. | 1.0 | 0.2 | 1 |

## Sample Comments

State of New York Certification No. 10670

[1] = This analyte was not on the laboratory's NYSDOH Scope of Accreditation at the time of analysis.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 11996 | VOCs 8260C | SW-846 8260C 25mL purge | 1 | H193041AA | 10/31/2019 12:41 | Jennifer K Howe | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030C | 1 | H193041AA | 10/31/2019 12:40 | Jennifer K Howe | 1 |

*=This limit was used in the evaluation of the final result

**Sample Description:** **DM-405CF-102919 Grab Groundwater**
**General Electric Schenectady Main Plant**

**Project Name:** **GE Schenectady Main Plant**

Submittal Date/Time: 10/30/2019 11:07
Collection Date/Time: 10/29/2019 11:40
SDG#: SMP15-43

**GE-O'Brien & Gere, Inc.**
**ELLE Sample #: GW 1187662**
**ELLE Group #: 2071749**
**Matrix: Groundwater**

| CAT No. | Analysis Name | CAS Number | Result | Limit of Quantitation* | Method Detection Limit | Dilution Factor |
|---|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260C 25mL purge** | | **ug/l** | **ug/l** | **ug/l** | |
| 11996 | Acetone | 67-64-1 | N.D. | 5.0 | 0.9 | 1 |
| 11996 | Benzene | 71-43-2 | 0.7 | 0.5 | 0.05 | 1 |
| 11996 | 2-Butanone | 78-93-3 | N.D. | 5.0 | 0.6 | 1 |
| 11996 | Chlorobenzene | 108-90-7 | 25 | 0.5 | 0.06 | 1 |
| 11996 | Chloroethane | 75-00-3 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | Cyclohexane | 110-82-7 | 0.1 J | 0.5 | 0.05 | 1 |
| 11996 | 1,2-Dichlorobenzene | 95-50-1 | 0.3 J | 0.5 | 0.06 | 1 |
| 11996 | 1,3-Dichlorobenzene | 541-73-1 | 5.0 | 0.5 | 0.06 | 1 |
| 11996 | 1,4-Dichlorobenzene | 106-46-7 | 20 | 0.5 | 0.07 | 1 |
| 11996 | 1,1-Dichloroethane | 75-34-3 | 0.7 | 0.5 | 0.07 | 1 |
| 11996 | 1,2-Dichloroethane | 107-06-2 | 0.4 J | 0.5 | 0.05 | 1 |
| 11996 | 1,1-Dichloroethene | 75-35-4 | 0.1 J | 0.5 | 0.06 | 1 |
| 11996 | cis-1,2-Dichloroethene | 156-59-2 | 22 | 5.0 | 0.5 | 10 |
| 11996 | trans-1,2-Dichloroethene | 156-60-5 | 0.4 J | 0.5 | 0.06 | 1 |
| 11996 | 1,2-Dichloroethene (Total)[1] | 540-59-0 | 22 | 10 | 1.1 | 10 |
| 11996 | Ethylbenzene | 100-41-4 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Isopropylbenzene | 98-82-8 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | 5.0 | 0.7 | 1 |
| 11996 | Methylcyclohexane | 108-87-2 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | Methylene Chloride | 75-09-2 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | Tetrachloroethene | 127-18-4 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Toluene | 108-88-3 | 0.08 J | 0.5 | 0.07 | 1 |
| 11996 | 1,1,1-Trichloroethane | 71-55-6 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Trichloroethene | 79-01-6 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Vinyl Chloride | 75-01-4 | 14 | 0.5 | 0.1 | 1 |
| 11996 | Xylene (Total) | 1330-20-7 | N.D. | 1.0 | 0.2 | 1 |

## Sample Comments

State of New York Certification No. 10670

[1] = This analyte was not on the laboratory's NYSDOH Scope of Accreditation at the time of analysis.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 11996 | VOCs 8260C | SW-846 8260C 25mL purge | 1 | H193051AA | 11/01/2019 16:33 | Jennifer K Howe | 1 |
| 11996 | VOCs 8260C | SW-846 8260C 25mL purge | 1 | H193051AA | 11/01/2019 16:55 | Jennifer K Howe | 10 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030C | 1 | H193051AA | 11/01/2019 16:32 | Jennifer K Howe | 1 |

*=This limit was used in the evaluation of the final result

**Sample Description:** **DM-405CF-102919 Grab Groundwater**
**General Electric Schenectady Main Plant**

**Project Name:** **GE Schenectady Main Plant**

Submittal Date/Time: 10/30/2019 11:07
Collection Date/Time: 10/29/2019 11:40
SDG#: SMP15-43

**GE-O'Brien & Gere, Inc.**
**ELLE Sample #: GW 1187662**
**ELLE Group #: 2071749**
**Matrix: Groundwater**

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 01163 | GC/MS VOA Water Prep | SW-846 5030C | 2 | H193051AA | 11/01/2019 16:54 | Jennifer K Howe | 10 |

*=This limit was used in the evaluation of the final result

**Sample Description:** **DM-405F-102919 Grab Groundwater**
**General Electric Schenectady Main Plant**

**Project Name:** **GE Schenectady Main Plant**

Submittal Date/Time: 10/30/2019 11:07
Collection Date/Time: 10/29/2019 13:25
SDG#: SMP15-44

**GE-O'Brien & Gere, Inc.**
**ELLE Sample #: GW 1187663**
**ELLE Group #: 2071749**
**Matrix: Groundwater**

| CAT No. | Analysis Name | CAS Number | Result | Limit of Quantitation* | Method Detection Limit | Dilution Factor |
|---|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260C 25mL purge** | | **ug/l** | **ug/l** | **ug/l** | |
| 11996 | Acetone | 67-64-1 | N.D. | 5.0 | 0.9 | 1 |
| 11996 | Benzene | 71-43-2 | 6.1 | 0.5 | 0.05 | 1 |
| 11996 | 2-Butanone | 78-93-3 | N.D. | 5.0 | 0.6 | 1 |
| 11996 | Chlorobenzene | 108-90-7 | 67 | 5.0 | 0.6 | 10 |
| 11996 | Chloroethane | 75-00-3 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | Cyclohexane | 110-82-7 | 0.08 J | 0.5 | 0.05 | 1 |
| 11996 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | 1,4-Dichlorobenzene | 106-46-7 | 0.1 J | 0.5 | 0.07 | 1 |
| 11996 | 1,1-Dichloroethane | 75-34-3 | 0.3 J | 0.5 | 0.07 | 1 |
| 11996 | 1,2-Dichloroethane | 107-06-2 | 0.06 J | 0.5 | 0.05 | 1 |
| 11996 | 1,1-Dichloroethene | 75-35-4 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | cis-1,2-Dichloroethene | 156-59-2 | 0.2 J | 0.5 | 0.05 | 1 |
| 11996 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | 1,2-Dichloroethene (Total)[1] | 540-59-0 | 0.2 J | 1.0 | 0.1 | 1 |
| 11996 | Ethylbenzene | 100-41-4 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Isopropylbenzene | 98-82-8 | 0.05 J | 0.5 | 0.05 | 1 |
| 11996 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | 5.0 | 0.7 | 1 |
| 11996 | Methylcyclohexane | 108-87-2 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | Methylene Chloride | 75-09-2 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | Tetrachloroethene | 127-18-4 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Toluene | 108-88-3 | 0.1 J | 0.5 | 0.07 | 1 |
| 11996 | 1,1,1-Trichloroethane | 71-55-6 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Trichloroethene | 79-01-6 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Vinyl Chloride | 75-01-4 | 0.1 J | 0.5 | 0.1 | 1 |
| 11996 | Xylene (Total) | 1330-20-7 | N.D. | 1.0 | 0.2 | 1 |

## Sample Comments

State of New York Certification No. 10670

[1] = This analyte was not on the laboratory's NYSDOH Scope of Accreditation at the time of analysis.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 11996 | VOCs 8260C | SW-846 8260C 25mL purge | 1 | H193051AA | 11/01/2019 17:17 | Jennifer K Howe | 1 |
| 11996 | VOCs 8260C | SW-846 8260C 25mL purge | 1 | H193051AA | 11/01/2019 17:38 | Jennifer K Howe | 10 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030C | 1 | H193051AA | 11/01/2019 17:16 | Jennifer K Howe | 1 |

*=This limit was used in the evaluation of the final result

**Sample Description:** **DM-405F-102919 Grab Groundwater**
**General Electric Schenectady Main Plant**

**Project Name:** **GE Schenectady Main Plant**

Submittal Date/Time: 10/30/2019 11:07
Collection Date/Time: 10/29/2019 13:25
SDG#: SMP15-44

**GE-O'Brien & Gere, Inc.**
**ELLE Sample #: GW 1187663**
**ELLE Group #: 2071749**
**Matrix: Groundwater**

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 01163 | GC/MS VOA Water Prep | SW-846 5030C | 2 | H193051AA | 11/01/2019 17:37 | Jennifer K Howe | 10 |

*=This limit was used in the evaluation of the final result

**Sample Description:** **TB-04-102919 Water**
**General Electric Schenectady Main Plant**

**Project Name:** **GE Schenectady Main Plant**

Submittal Date/Time: 10/30/2019 11:07
Collection Date/Time: 10/29/2019
SDG#: SMP15-45TB

**GE-O'Brien & Gere, Inc.**
**ELLE Sample #: GW 1190197**
**ELLE Group #: 2071749**
**Matrix: Water**

| CAT No. | Analysis Name | CAS Number | Result | Limit of Quantitation* | Method Detection Limit | Dilution Factor |
|---|---|---|---|---|---|---|
| **GC/MS Volatiles** | **SW-846 8260C 25mL purge** | | **ug/l** | **ug/l** | **ug/l** | |
| 11996 | Acetone | 67-64-1 | N.D. | 5.0 | 0.9 | 1 |
| 11996 | Benzene | 71-43-2 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | 2-Butanone | 78-93-3 | N.D. | 5.0 | 0.6 | 1 |
| 11996 | Chlorobenzene | 108-90-7 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Chloroethane | 75-00-3 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | Cyclohexane | 110-82-7 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | 1,2-Dichlorobenzene | 95-50-1 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | 1,3-Dichlorobenzene | 541-73-1 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | 1,4-Dichlorobenzene | 106-46-7 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | 1,1-Dichloroethane | 75-34-3 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | 1,2-Dichloroethane | 107-06-2 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | 1,1-Dichloroethene | 75-35-4 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | cis-1,2-Dichloroethene | 156-59-2 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | trans-1,2-Dichloroethene | 156-60-5 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | 1,2-Dichloroethene (Total)[1] | 540-59-0 | N.D. | 1.0 | 0.1 | 1 |
| 11996 | Ethylbenzene | 100-41-4 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Isopropylbenzene | 98-82-8 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | 4-Methyl-2-Pentanone | 108-10-1 | N.D. | 5.0 | 0.7 | 1 |
| 11996 | Methylcyclohexane | 108-87-2 | N.D. | 0.5 | 0.05 | 1 |
| 11996 | Methylene Chloride | 75-09-2 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | Tetrachloroethene | 127-18-4 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Toluene | 108-88-3 | N.D. | 0.5 | 0.07 | 1 |
| 11996 | 1,1,1-Trichloroethane | 71-55-6 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Trichloroethene | 79-01-6 | N.D. | 0.5 | 0.06 | 1 |
| 11996 | Vinyl Chloride | 75-01-4 | N.D. | 0.5 | 0.1 | 1 |
| 11996 | Xylene (Total) | 1330-20-7 | N.D. | 1.0 | 0.2 | 1 |

## Sample Comments

State of New York Certification No. 10670

[1] = This analyte was not on the laboratory's NYSDOH Scope of Accreditation at the time of analysis.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 11996 | VOCs 8260C | SW-846 8260C 25mL purge | 1 | H193041AA | 10/31/2019 11:15 | Jennifer K Howe | 1 |
| 01163 | GC/MS VOA Water Prep | SW-846 5030C | 1 | H193041AA | 10/31/2019 11:14 | Jennifer K Howe | 1 |

*=This limit was used in the evaluation of the final result